

FED  
ARCTIC  
RE-  
SEARCH  
2/10/95

HOUSE RESOURCES COMMITTEE  
Roll Call and Members' Bill Votes

\* (indicates first public hearing)

Room 124, Capitol Bldg.

Mon., Wed., Fri.

Date: 2/10/95

Tape# 95-11 Joint \_\_\_\_\_

Time: \_\_\_\_\_ am/pm Time Adjourned: \_\_\_\_\_ am/pm

ROLL CALL:	PRES	ABS	TIME	AR	_____	_____	_____
Rep. Joe Green	✓	_____	_____	_____	_____	_____	_____
Rep. Bill Williams	_____	_____	<u>8:10</u>	_____	_____	_____	_____
Rep. Scott Ogan	✓	_____	_____	_____	_____	_____	_____
Rep. Alan Austerman	✓	_____	_____	_____	_____	_____	_____
Rep. Ramona Barnes	_____	_____	_____	_____	_____	_____	_____
Rep. John Davies	✓	_____	_____	_____	_____	_____	_____
Rep. Pete Kott	_____	_____	_____	_____	_____	_____	_____
Rep. Eileen MacLean	_____	_____	_____	_____	_____	_____	_____
Rep. Irene Nicholia	_____	_____	_____	_____	_____	_____	_____

Other Legislators Present \_\_\_\_\_

AGENDA:

Bill No.	Short Title	Action Taken
	<u>Presentation by Federal Arctic Research Commission</u>	
_____	_____	_____
_____	_____	_____
_____	_____	_____
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Copies of minutes listed below were originally included in this file. The minutes are available on the legislative computer database. In order to save space copies of minutes have not been left in the files.

Mary Pagenkopf

House Resources

2-10-95

Tape # 95-11, Side A, #000

Federal Arctic Research Commission Presentation

## ARCTIC RESEARCH COMMISSION

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Table 1

PUBLICATIONS OF THE U.S. ARCTIC RESEARCH COMMISSION

Annual Reports (January) to the President and the Congress

- U.S. on the Arctic Rim.* 1986.
- The United States: An Arctic Nation.* 1987.
- Entering the Age of the Arctic.* 1988.
- Arctic Research for an Arctic Nation.* 1989.
- Arctic Research: A Focus of International Cooperation.* 1990.
- Arctic Research in a Changing World.* 1991.
- An Arctic Obligation.* 1992.
- Arctic Research Priorities.* 1993

Special Report

- National Needs and Arctic Research, a Framework for Action.* May, 1986.

Findings and Recommendations

1. *Logistic Support of Arctic Research.* July, 1988.
2. *Statement of Goals and Objectives to Guide United States Arctic Research.* December, 1988.
3. *Arctic Data and Information: Issues and Goals.* June, 1989.
4. *Improvements to the Scientific Content of the Environmental Impact Statement Process.* December, 1989.
5. *Arctic Engineering Research: Initial Findings and Recommendations.* April, 1990.
6. *Logistic Support of United States Research in Greenland: Current Situation and Prospects.* December, 1990.
7. *Goals, Objectives, and Priorities to Guide United States Arctic Research.* January, 1991.
8. *Research Needed to Respond to Oil Spills in Ice-Infested Waters.* May, 1991.
9. *Goals and Priorities to Guide United States Arctic Research.* January, 1993.

Background Reports

1. *International Agreements for Research, Logistics and Access Concerning the Arctic.* J.A. Loporcaro. April, 1990.
2. *Corrosion of the Trans Alaska Pipeline System and Research Needs.* L.D. Perrigo. May, 1990.
3. *Effects of Glasnost and Perestroika on the Soviet Establishment: Relevance to Arctic Research.* J.G. Roederer. March, 1991.
4. *The Increasing Importance of Arctic Research to the United States.* J.G. Roederer. May, 1991.

12/2/94 TABLE 1. ARCTIC RESEARCH BUDGETS OF FEDERAL AGENCIES (dollars in thousands)

AGENCY		RESEARCH	PROGRAM		FY94	FY95	FY96
Dept/Bureau	Program Name	CATEGORY	AREA		actual	budget	proposed
DOD	Arctic Engineering	NASC	MULTI	*	2,976	3,547	3,632
DOD	Permafrost/Frozen Ground	NASC	MULTI	*	1,245	1,124	1,194
DOD	Snow and Ice Hydrology	NASC	MULTI	*	7,181	6,718	6,097
DOD	Oceanography	NASC	MULTI	*	8,665	8,000	7,997
DOD	Lower Atmosphere	NASC	MULTI	*	397	134	129
DOD	Upper Atmosphere	NASC	MULTI	*	2,500	2,250	2,250
DOD	Medical and Human Engr	NASC	MULTI	*	2,262	1,880	1,884
DOD	Arctic Contamination Studies	NASC	MULTI	*	10,000	10,000	0
DOD	total.....			*	35,226	33,653	23,183
DOI/MMS	Technology Assessment/Research	ETEC	MARA	*	2,820	3,320	3,320
DOI/MMS	Environmental Studies	ENVR	MARA	*	1,900	1,810	1,810
DOI/USGS	Energy and Minerals	ENVR	MARA	*	6,500	4,500	4,500
DOI/USGS	Natural Hazards	ENVR	MARA	*	3,500	3,500	3,500
DOI/USGS	Global Change	CLCH	MARA	*	2,000	1,500	2,500
DOI/USGS	Marine and Coastal Geology	ENVR	MARA	*	1,000	1,000	1,000
DOI/USGS	Geomagnetism	ENVR	MARA	*	250	250	250
DOI/USGS	Ice and Climate	ENVR	MARA	*	480	480	480
DOI/USGS	Hydrology	ENVR	MARA	*	130	130	130
DOI/USGS	Mapping	ENVR	MARA	*	1,000	1,070	1,070
DOI/NBS	Marine Mammals	ENVR	MARA	*	1,600	1,660	1,660
DOI/NBS	Migratory Birds	ENVR	MARA	*	2,560	2,390	2,390
DOI/NBS	Fisheries Research	ENVR	MARA	*	360	360	360
DOI/NBS	Cooperative Research	ENVR	MARA	*	330	330	330
DOI/NBS	Terrestrial Ecology	ENVR	MARA	*	1,130	1,130	1,130
DOI/NBS	Park Research	ENVR	MARA	*	1,140	1,140	1,140
DOI/BLM	Minerals (ANWR)	ENVR	MARA	*	10	0	0
DOI/BLM	Natural Ecology	ENVR	MARA	*	1,175	1,180	1,500
DOI/BLM	Cultural Resources	ENVR	MARA	*	168	200	250
DOI/BLM	Pipeline Monitoring	ENVR	MARA	*	500	500	500
DOI/BLM	Fire Control	ENVR	MARA	*	350	350	350
DOI/BLM	Mining Administration	ENVR	MARA	*	250	250	250
DOI/NPS	Cultural Resources	HHIP	MARA		850	790	790
DOI/NPS	Natural Ecology	ENVR	MARA		1,400	1,650	1,650
DOI/BIA	Cultural	ENVR	MARA	*	1,500	600	600
DOI/BIA	Subsistence	FSTY	MARA	*	850	1,050	1,250
DOI/BOM	Mineral Resource Assessments	ENVR	MARA	*	3,637	1,362	1,000
DOI/BOM	Mining/Reclamation Technology	ETEC	MARA	*	383	0	0
DOI/BOM	Mining/Reclamation Technology	ETEC	TDVD	*	211	175	175
DOI	total.....				37,984	32,677	33,885
NSF	Atmospheric Sciences	CLCH	BASR	*	7,000	7,140	7,140
NSF	Ocean Sciences/Ship Support	ENVR	BASR	*	3,200	3,264	3,264
NSF	Biological Sciences	ENVR	BASR	*	5,800	5,916	5,916
NSF	Glaciology	ENVR	BASR	*	3,200	3,264	3,264
NSF	Earth Sciences	ENVR	BASR	*	2,500	2,550	2,550
NSF	Arctic Systems Science	CLCH	BASR	*	14,400	14,200	14,200
NSF	Engineering	ETEC	BASR	*	200	204	204
NSF	Social Science/Education	HHIP	BASR	*	1,700	1,734	1,734
NSF	Coordination	EDTR	BASR	*	270	275	275
NSF	Arctic Research Commission	EDTR	BASR	*	560	570	590
NSF	total.....			*	38,830	39,117	39,137

12/2/94 TABLE 1. ARCTIC RESEARCH BUDGETS OF FEDERAL AGENCIES (dollars in thousands)

Dept/ Agency	Program Name				FY94	FY95	FY96
					actual	budget	proposed
NASA	Polar Ocean/Ice Sheets	CLCH	BASR	*	17,000	16,000	13,000
NASA	Land Processes	ENVR	BASR	*	2,700	1,900	1,800
NASA	Solid Earth Science	ENVR	BASR	*	1,200	1,200	1,200
NASA	Atmospheric Sciences	ENVR	BASR	*	1,000	1,500	1,500
NASA	Arctic Ozone	ENVR	BASR	*	1,500	1,500	1,500
NASA	Sounding Rocket Program	CLCH	BASR	*	6,750	3,750	4,500
NASA	Ops/Maint Poker Flat Range	ENVR	BASR	*	1,500	1,500	1,500
NASA	Poker Flat Range Upgrades	ENVR	BASR	*	5,000	0	0
NASA	Sub-orbital Science	ENVR	BASR	*	1,400	1,250	1,250
NASA	Iono/Thermo/Mesospheric SR&T	ENVR	BASR	*	1,290	1,300	1,300
NASA	FAST Auroral Snapshot	ENVR	BASR	*	800	4,200	4,000
NASA	Magnetospheric SR&T	ENVR	BASR	*	1,000	1,000	1,000
NASA	Solar Terrestrial Theory	ENVR	BASR	*	420	420	420
NASA	total.....			*	41,560	35,520	32,970
DOC/NOAA	Arctic Haze	CLCH	BASR	*	50	0	0
DOC/NOAA	Solar Terrestrial	ENVR	BASR	*	201	201	204
DOC/NOAA	Atmos Trace Constituents	CLCH	BASR	*	185	185	185
DOC/NOAA	Environmental Prediction	ENVR	BASR	*	950	950	950
DOC/NOAA	Fisheries Assessment	ENVR	MARA	*	2,478	2,476	2,476
DOC/NOAA	Marine Mammal Assessment	ENVR	MARA	*	1,200	1,200	1,200
DOC/NOAA	Coastal Hazards	ENVR	BASR	*	42	44	44
DOC/NOAA	Ocean Assessment	ENVR	MARA	*	112	102	0
DOC/NOAA	Stratospheric Ozone	CLCH	BASR	*	150	200	200
DOC/NOAA	Satellites/Data Management	ENVR	BASR	*	800	800	800
DOC/NOAA	Human Resources	ENVR	BASR	*	569	617	617
DOC/NOAA	Aircraft/Vessels	CLCH	BASR	*	2,500	2,500	2,500
DOC/NOAA	Climate and Global Change	CLCH	BASR	*	784	720	720
DOC/NOAA	Arctic Ice	ENVR	BASR	*	315	475	500
DOC/NOAA	total.....			*	10,336	10,470	10,396
DOE/EM	Environ Monitoring/Assessment	ERGY	MARA	*	1,150	1,150	1,150
DOE/EML	Environmental Measurements	ERGY	MARA	*	20	20	20
DOE/ER	Nat Inst Global Env Change	ERGY	BASR	*	300	300	300
DOE/ER	Response to Carbon Dioxide	ERGY	BASR	*	60	0	0
DOE/ER	Atmos Radiation/Planning	ERGY	BASR	*	500	500	500
DOE/ER	Magnetosphere Research	ERGY	BASR	*	140	0	0
DOE	total.....			*	2,170	1,970	1,970
DHHS	Indian Health Service	HHIP	MARA	*	250	250	250
DHHS	National Institutes of Health	HHIP	BASR	*	3,932	4,348	4,525
DHHS	Communicable Disease Con. Ctr.	HHIP	MARA	*	2,057	2,051	2,063
DHHS	HCFA	HHIP	MARA	*	200	100	0
DHHS	total.....			*	6,439	6,749	6,838
SMITHSONIAN	Anthropology	HHIP	BASR	*	630	500	600
SMITHSONIAN	Arctic Biology	HHIP	BASR	*	75	50	75
SMITHSONIAN	total.....			*	705	550	675
DOT/USCG	Test and Evaluation	ETEC	TDVD	*	800	500	0
DOT/USCG	Arctic Science Support Equipment	ETEC	MARA	*	702	719	719
DOT/USCG	Extramural Support	EDTR	BASR	*	35	25	25
DOT/FHA	Stream Crossings/Hydrological	TRAN	TDVD		375	100	100
DOT/FHA	Pavement Problems	TRAN	TDVD		1,000	800	800
DOT/FHA	Soils/Subbases (Permafrost)	TRAN	MARA		80	50	50
DOT/FHA	Weather Monitoring/Storm Forecast	TRAN	MARA	*	90	140	140
DOT/FHA	Snow Control/Pavement Treatment	TRAN	ENGD	*	374	330	330
DOT	total.....				3,456	2,664	2,164

12/2/94 TABLE 1. ARCTIC RESEARCH BUDGETS OF FEDERAL AGENCIES (dollars in thousands)

AGENCY		RESEARCH	PROGRAM		FY94	FY95	FY96
Dept/Bureau	Program Name	CATEGORY	AREA		actual	budget	proposed
EPA	Arctic Contaminants	ENVR	MARA	*	925	0	0
EPA	Climate Change	CLCH	MARA	*	200	150	150
EPA	Radionuclide Contamination (DOD)	ENVR	MARA	*	0	0	0
EPA	Comparative Risk Assessment	ENVR	MARA	*	75	0	0
EPA	Region 10 EMAP (Alaska)	ENVR	MARA	*	0	250	250
EPA	Reliable Assessments	ENVR	MARA	*	0	0	1,000
EPA	total.....			*	1,200	400	1,400
AGRICULTURE	Forest Service - Environment	ENVR	MARA	*	959	912	912
AGRICULTURE	Forest Service - Climate Change	CLCH	BASR	*	441	488	488
AGRICULTURE	Agricultural Research Service	CLCH	MARA	*	730	0	0
AGRICULTURE	Cooperative State Res - Environ	ENVR	MARA	*	722	725	725
AGRICULTURE	Cooperative State Res - Food/Saf	FSTY	MARA	*	790	793	793
AGRICULTURE	Soil Conservation S - Environ	ENVR	MARA	*	1,102	1,040	1,040
AGRICULTURE	Soil Conservation S - Climate C	CLCH	BASR	*	276	260	260
AGRICULTURE	total.....			*	5,020	4,218	4,218
STATE	Arctic Environmental Research	ENVR	BASR	*	500	350	350
STATE	MAB: Arctic Directorate	ENVR	BASR	*	200	200	200
STATE	total.....			*	700	550	550
GRAND TOTALS					183,626	168,538	157,386

## Appendix B: Arctic Research and Policy Act, As Amended

PUBLIC LAW 98-373 - July 31, 1984; amended as  
PUBLIC LAW 101-609 - November 16, 1990

### An Act

To provide for a comprehensive national policy dealing with national research needs and objectives in the Arctic.

*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled:*

### TITLE 1-ARCTIC RESEARCH AND POLICY

#### SHORT TITLE

SEC. 101. This title may be cited as the "Arctic Research and Policy Act of 1984, as amended".

#### FINDINGS AND PURPOSES

SEC. 102(a) The Congress finds and declares that--

(1) the Arctic, onshore and offshore, contains vital energy resources that can reduce the Nation's dependence on foreign oil and improve the national balance of payments;

(2) as the Nation's only common border with the Soviet Union, the Arctic is critical to national defense;

(3) the renewable resources of the Arctic, specifically fish and other seafood, represent one of the Nation's greatest commercial assets;

(4) Arctic conditions directly affect global weather patterns and must be understood in order to promote better agricultural management throughout the United States;

(5) industrial pollution not originating in the Arctic region collects in the polar air mass, has the potential to disrupt global weather patterns, and must be controlled through international cooperation and consultation;

(6) the Arctic is a natural laboratory for research into human health and adaptation, physical and psychological, to climates of extreme cold and isolation and may provide information crucial for future defense needs;

(7) atmospheric conditions peculiar to the Arctic make the Arctic a unique testing ground for research into high latitude communications, which is likely to be crucial for future defense needs;

(8) Arctic marine technology is critical to cost-effective recovery, and transportation of energy resources and to the national defense;

(9) the United States has important security, economic, and environmental interests in developing and maintaining a fleet of icebreaking vessels capable of operating effectively in the heavy ice regions of the Arctic;

(10) most Arctic-rim countries, particularly the Soviet Union, possess Arctic technologies far more advanced than those currently available in the United States;

(11) Federal Arctic research is fragmented and uncoordinated

at the present time, leading to the neglect of certain areas of research and to unnecessary duplication of effort in other areas of research;

(12) improved logistical coordination and support for Arctic research and better dissemination of research data and information is necessary to increase the efficiency and utility of national Arctic research efforts;

(13) a comprehensive national policy and program plan to organize and fund currently neglected scientific research with respect to the Arctic is necessary to fulfill national objectives in Arctic research;

(14) the Federal Government, in cooperation with State and local governments, should focus its efforts on the collection and characterization of basic data related to biological, materials, geophysical, social, and behavioral phenomena in the Arctic;

(15) research into the long-range health, environmental, and social effects of development in the Arctic is necessary to mitigate the adverse consequences of that development to the land and its residents;

(16) Arctic research expands knowledge of the Arctic, which can enhance the lives of Arctic residents, increase opportunities for international cooperation among Arctic-rim countries, and facilitate the formulation of national policy for the Arctic; and

(17) the Alaskan Arctic provides an essential habitat for marine mammals, migratory waterfowl, and other forms of wildlife which are important to the Nation and which are essential to Arctic residents.

(b) The purposes of this title are--

(1) to establish national policy, priorities, and goals and to provide a Federal program plan for basic and applied scientific research with respect to the Arctic, including natural resources and materials, physical, biological and health sciences, and social and behavioral sciences;

(2) to establish an Arctic Research Commission to promote Arctic research and to recommend Arctic research policy;

(3) to designate the National Science Foundation as the lead agency responsible for implementing Arctic research policy; and

(4) to establish an Interagency Arctic Research Policy Committee to develop a national Arctic research policy and a five year plan to implement that policy.

#### ARCTIC RESEARCH COMMISSION

SEC. 103(a) The President shall establish an Arctic Research Commission (hereinafter referred to as the "Commission").

(b)(1) The Commission shall be composed of seven members appointed by the President, with the Director of the National Science Foundation serving as a nonvoting, ex officio member. The members appointed by the President shall include--

(A) four members appointed from among individuals from academic or other research institutions with expertise in areas of research relating to the Arctic, including the physical, biological, health, environmental, social and behavioral sciences;

(B) one member appointed from among indigenous residents

of the Arctic who are representative of the needs and interests of Arctic residents and who live in areas directly affected by Arctic resource development; and

(C) two members appointed from among individuals familiar with the Arctic and representative of the needs and interests of private industry undertaking resource development in the Arctic.

(2) The President shall designate one of the appointed members of the Commission to be chairperson of the Commission.

(c)(1) Except as provided in paragraph (2) of this subsection, the term of office of each member of the Commission appointed under subsection (b)(1) shall be four years.

(2) Of the members of the Commission originally appointed under subsection (b)(1)--

(A) one shall be appointed for a term of two years;

(B) two shall be appointed for a term of three years; and

(C) two shall be appointed for a term of four years.

(3) Any vacancy occurring in the membership of the Commission shall be filled, after notice of the vacancy is published in the Federal Register, in the manner provided by the preceding provisions of this section, for the remainder of the unexpired term.

(4) A member may serve after the expiration of the member's term of office until the President appoints a successor.

(5) A member may serve consecutive terms beyond the member's original appointment.

(d)(1) Members of the Commission may be allowed travel expenses, including per diem in lieu of subsistence, as authorized by section 5703 of title 5, United States Code. A member of the Commission not presently employed for compensation shall be compensated at a rate equal to the daily equivalent of the rate for GS-18 of the General Schedule under section 5332 of title 5, United States Code, for each day the member is engaged in the actual performance of his duties as a member of the Commission, not to exceed 90 days of service each year. Except for the purposes of chapter 81 of title 5 (relating to compensation for work injuries) and chapter 171 of title 28 (relating to tort claims), a member of the Commission shall not be considered an employee of the United States for any purpose.

(2) The Commission shall meet at the call of its Chairman or a majority of its members.

(3) Each Federal agency referred to in section 107(b) may designate a representative to participate as an observer with the Commission. These representatives shall report to and advise the Commission on the activities relating to Arctic research of their agencies.

(4) The Commission shall conduct at least one public meeting in the State of Alaska annually.

#### DUTIES OF THE COMMISSION

SEC. 104(a) The Commission shall--

(1) develop and recommend an integrated national Arctic research policy;

(2) in cooperation with the Interagency Arctic Research Policy Committee established under section 107, assist in establishing a national Arctic research program plan to implement the Arctic research policy;

(3) facilitate cooperation between the Federal Government and State and local governments with respect to Arctic research;

(4) review Federal research programs in the Arctic and

recommend improvements in coordination among programs;

(5) recommend methods to improve logistical planning and support for Arctic research as may be appropriate and in accordance with the findings and purposes of this title;

(6) recommend methods for improving efficient sharing and dissemination of data and information on the Arctic among interested public and private institutions;

(7) offer other recommendations and advice to the Interagency Committee established under section 107 as it may find appropriate;

(8) cooperate with the Governor of the State of Alaska and with agencies and organizations of that State which the Governor may designate with respect to the formulation of Arctic research policy;

(9) recommend to the Interagency Committee the means for developing international scientific cooperation in the Arctic; and

(10) not later than January 31, 1991, and every 2 years thereafter, publish a statement of goals and objectives with respect to Arctic research to guide the Interagency Committee established under section 107 in the performance of its duties.

(b) Not later than January 31 of each year, the Commission shall submit to the President and to the Congress a report describing the activities and accomplishments of the Commission during the immediately preceding fiscal year.

#### COOPERATION WITH THE COMMISSION

SEC. 105(a)(1) The Commission may acquire from the head of any Federal agency unclassified data, reports, and other nonproprietary information with respect to Arctic research in the possession of the agency which the Commission considers useful in the discharge of its duties.

(2) Each agency shall cooperate with the Commission and furnish all data, reports, and other information requested by the Commission to the extent permitted by law; except that no agency need furnish any information which it is permitted to withhold under section 522 of title 5, United States Code.

(b) With the consent of the appropriate agency head the Commission may utilize the facilities and services of any Federal agency to the extent that the facilities and services are needed for the establishment and development of an Arctic research policy, upon reimbursement to be agreed upon by the Commission and the agency head and taking every feasible step to avoid duplication of effort.

(c) All Federal agencies shall consult with the Commission before undertaking major Federal actions relating to Arctic research.

#### ADMINISTRATION OF THE COMMISSION

SEC. 106. The Commission may--

(1) in accordance with the civil service laws and subchapter III of chapter 53 of title 5, United States Code, appoint and fix the compensation of an Executive Director and necessary additional staff personnel, but not to exceed a total of seven compensated personnel;

(2) procure temporary and intermittent services as authorized by section 3109 of title 5, United States Code;

(3) enter into contracts and procure supplies, services and personal property;

(4) enter into agreements with the General Services Administration for the procurement of necessary financial and

administrative services, for which payment shall be made by reimbursement from funds of the Commission in amounts to be agreed upon by the Commission and the Administrator of the General Services Administration; and

(5) appoint, and accept without compensation the services of, scientists and engineering specialists to be advisors to the Commission. Each advisor may be allowed travel expenses, including per diem in lieu of subsistence, as authorized by section 5703 of title 5, United States Code. Except for the purposes of chapter 81 of title 5 (relating to compensation for work injuries) and chapter 171 of title 28 (relating to tort claims) of the United States Code, an advisor appointed under this paragraph shall not be considered an employee of the United States for any purpose.

#### LEAD AGENCY AND INTERAGENCY ARCTIC RESEARCH POLICY COMMITTEE

SEC. 107(a) The National Science Foundation is designated as the lead agency responsible for implementing Arctic research policy, and the Director of the National Science Foundation shall insure that the requirements of section 108 are fulfilled.

(b)(1) The President shall establish an Interagency Arctic Research Policy Committee (hereinafter referred to as the "Interagency Committee").

(2) The Interagency Committee shall be composed of representatives of the following Federal agencies or offices:

- (A) the National Science Foundation;
- (B) the Department of Commerce;
- (C) the Department of Defense;
- (D) the Department of Energy;
- (E) the Department of the Interior;
- (F) the Department of State;
- (G) the Department of Transportation;
- (H) the Department of Health and Human Services;
- (I) the National Aeronautics and Space Administration;
- (J) the Environmental Protection Agency; and
- (K) any other agency or office deemed appropriate.

(3) The representative of the National Science Foundation shall serve as the Chairperson of the Interagency Committee.

#### DUTIES OF THE INTERAGENCY COMMITTEE

SEC. 108(a) The Interagency Committee shall--

(1) study Arctic research conducted by Federal State, and local agencies, universities, and other public and private institutions to help determine priorities for future Arctic research, including natural resources and materials, physical and biological sciences, and social and behavioral sciences;

(2) work with the Commission to develop and establish an integrated national Arctic research policy that will guide Federal agencies in developing and implementing their research programs in the Arctic;

(3) consult with the Commission on--

(A) the development of the national Arctic research policy and the 5-year plan implementing the policy;

(B) Arctic research programs of Federal agencies;

(C) recommendations of the Commission on future Arctic research; and

(D) guidelines for Federal agencies for awarding and administering Arctic research grants;

(4) develop a 5-year plan to implement the national policy, as

provided in section 109;

(5) provide the necessary coordination, data, and assistance for the preparation of a single integrated, coherent, and multiagency budget request for Arctic research as provided for in section 110;

(6) facilitate cooperation between the Federal Government and State and local governments in Arctic research, and recommend the undertaking of neglected areas of research in accordance with the findings and purposes of this title;

(7) coordinate and promote cooperative Arctic scientific research programs with other nations, subject to the foreign policy guidance of the Secretary of State;

(8) cooperate with the Governor of the State of Alaska in fulfilling its responsibilities under this title;

(9) promote Federal interagency coordination of all Arctic research activities, including--

(A) logistical planning and coordination; and

(B) the sharing of data and information associated with Arctic research, subject to section 552 of title 5, United States Code; and

(10) provide public notice of its meetings and an opportunity for the public to participate in the development and implementation of national Arctic research policy.

(b) Not later than January 31, 1986, and biennially thereafter, the Interagency Committee shall submit to the Congress through the President, a brief, concise report containing--

(1) a statement of the activities and accomplishments of the Interagency Committee since its last report; and

(2) a statement detailing with particularity the recommendations

of the Commission with respect to Federal interagency activities in Arctic research and the disposition and responses to those recommendations.

#### 5-YEAR ARCTIC RESEARCH PLAN

SEC. 109(a) The Interagency Committee, in consultation with the Commission, the Governor of the State of Alaska, the residents of the Arctic, the private sector, and public interest groups, shall prepare a comprehensive 5-year program plan (hereinafter referred to as the "Plan") for the overall Federal effort in Arctic research. The Plan shall be prepared and submitted to the President for transmittal to the Congress within one year after the enactment of this Act and shall be revised biennially thereafter.

(b) The Plan shall contain but need not be limited to the following elements:

(1) an assessment of national needs and problems regarding the Arctic and the research necessary to address those needs or problems;

(2) a statement of the goals and objectives of the Interagency Committee for national Arctic research;

(3) a detailed listing of all existing Federal programs relating to Arctic research, including the existing goals, funding levels for each of the 5 following fiscal years, and the funds currently being expended to conduct the programs;

(4) recommendations for necessary program changes and other proposals to meet the requirements of the policy and goals as set forth by the Commission and in the Plan as currently in effect; and

(5) a description of the actions taken by the Interagency Committee to coordinate the budget review process in order to

ensure interagency coordination and cooperation in (A) carrying out Federal Arctic research programs, and (B) eliminating unnecessary duplication of effort among these programs.

#### COORDINATION AND REVIEW OF BUDGET OF BUDGET REQUESTS

SEC. 110(a) The Office of Science and Technology Policy shall-

(1) review all agency and department budget requests related to the Arctic transmitted pursuant to section 108(a)(5), in accordance with the national Arctic research policy and the 5-year program under section 108(a)(2) and section 109, respectively; and

(2) consult closely with the Interagency Committee and the Commission to guide the Office of Technology Policy's efforts.

(b)(1) The Office of Management and Budget shall consider all Federal agency requests for research related to the Arctic as one integrated, coherent, and multiagency request, which shall be reviewed by the Office of Management and Budget prior to submission of the President's annual budget request for its adherence to the Plan. The Commission shall, after submission of the President's annual budget request, review the request and report to Congress on adherence to the Plan.

(2) The Office of Management and Budget shall seek to facilitate planning for the design, procurement, maintenance, deployment and operations of icebreakers needed to provide a platform for Arctic research by allocating all funds necessary to support icebreaking operations, except for recurring incremental costs associated with specific projects, to the Coast Guard.

#### AUTHORIZATION OF APPROPRIATIONS; NEW SPENDING AUTHORITY

SEC. 111(a) There are authorized to be appropriated such sums as may be necessary for carrying out this title.

(b) Any new spending authority (within the meaning of section 401 of the Congressional Budget Act of 1974) which is provided under this title shall be effective for any fiscal year only to such extent or in such amounts as may be provided in appropriation Acts.

#### DEFINITION

SEC. 112. As used in this title, the term "Arctic" means all United States and foreign territory north of the Arctic Circle and all United States territory north and west of the boundary formed by the Porcupine, Yukon, and Kuskokwim Rivers; all contiguous seas, including the Arctic Ocean and the Beaufort, Bering and Chukchi Seas; and the Aleutian chain.



*Scientists being put on arctic sea ice from the U.S. Coast Guard icebreaker Polar Star in 1993 to collect sediment samples of continental shelf origin entrained in the sea ice. (Courtesy of Dr. Arthur Grantz, USGS.)*