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F. Note.
1 Ex. Dir -
2. othe staff -

5-0794L ✓
Bradley
4/29/87

5/6/87

Original sponsors: Josephson, Faiks,
Uehling, et al.

1 IN THE SENATE

2 CS FOR SENATE BILL NO. 232 ()

3 IN THE LEGISLATURE OF THE STATE OF ALASKA

4 FIFTEENTH LEGISLATURE - FIRST SESSION

5 A BILL

6 For an Act entitled: "An Act relating to a science, natural resource, and
7 engineering policy; and providing for an effective
8 date."

9 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF ALASKA:

10 * Section 1. FINDINGS AND PURPOSE. (a) The legislature finds that

11 (1) a continuing state effort is needed to ensure the efficient
12 acquisition, storage, retrieval, transfer, and dissemination of current and
13 research-derived scientific and engineering knowledge concerning the
14 natural resources, environments, communities, and human conditions present
15 in the state;

16 (2) there is no formal organization uniting state, federal
17 municipal, and university information centers, libraries, and data systems;

18 (3) the state has made a considerable investment in the opera-
19 tion of information and data systems through its funding of resource man-
20 agement and scientific enterprise, and the preservation of the information
21 represents an investment that the state should protect by the inclusion of
22 the information within an accessible system;

23 (4) it is incumbent on each recipient of state funding, whether
24 an individual grantee or the administrator of a state program, to make
25 information available for state purposes;

26 (5) the interagency Council on Northern Resources Information
27 Management has as its objective the efficient management and sharing of
28 scientific, natural resource, and engineering information and data;

29 (6) plans for the termination or curtailment of information

not yet
adopted

1 centers, libraries, and data systems in government and at the University of
2 Alaska threaten seriously the enhancement and growth of the economy of the
3 state; the efficient interagency management and sharing of scientific,
4 natural resource, and engineering information; the capacity of state gov-
5 ernment to use accumulated information and to make technically correct
6 decisions involving science, natural resources, and engineering; and the
7 ability of the public to secure necessary information; and

8 (7) the collective knowledge and information available in li-
9 braries and information centers in the state represent wealth to the state
10 and profoundly affect the well-being of the state and its residents.

11 (b) The legislature intends that

12 (1) information resources be efficiently and cost-effectively
13 managed through appropriate technological systems that unify, combine, or
14 interconnect the diverse scientific, natural resource, and engineering
15 information systems and libraries of the state;

16 (2) policies and processes for cooperative management, transfer,
17 and dissemination of information be developed between federal, state,
18 municipal, and university systems and libraries;

19 (3) an information network to provide information services to
20 state, federal, municipal, and university research organizations and the
21 public and private sectors of the state be promoted and supported;

22 (4) appropriate roles within the information network established
23 in this Act be designated for state agencies and the University of Alaska.

24 * Sec. 2. AS 44.19.253 is amended to read:

25 Sec. 44.19.253. STATEMENT OF POLICY. It is the policy of the
26 state in AS 44.19.251 - 44.19.270 [AS 44.19.251 - 44.19.265,] to
27 recognize the important role that science, natural resources, [SCIEN-
28 TIFIC] and engineering research and [SCIENCE] education play for the
29 people of the state and the entire nation. The policy will make it

1 possible to

2 (1) find, develop, and manage the natural renewable and
3 nonrenewable resources of the state's land and water economically and
4 in an environmentally acceptable fashion;

5 (2) manage the unique features of the environment, fauna,
6 and flora of the state and protect them from harmful man-made and
7 natural influences;

8 (3) investigate and mitigate the effects of natural hazards
9 such as earthquakes, volcanic eruptions, avalanches, permafrost, and
10 other hazards that occur in the state;

11 (4) construct, operate, and maintain transportation sys-
12 tems, communications, housing, and other facilities suited to the
13 state's conditions;

14 (5) develop new technologies adapted to the unique con-
15 ditions and needs of the state;

16 (6) improve the health and well being through the life
17 cycle of the state's inhabitants; and

18 (7) identify and address future social and economic chal-
19 lenges facing the state.

20 * Sec. 3. AS 44.19.257(a) is amended to read:

21 (a) The commission is composed of seven [FIVE] members who have
22 experience in science or engineering activities related to the duties
23 of the commission and who are appointed by the governor as follows:

24 (1) one member [IS TO BE] appointed from individuals from
25 the academic institutions of the state with expertise in areas of
26 research relating to the state including the physical, biological,
27 health, environmental, social, and behavioral sciences;

28 (2) one member [IS TO BE] appointed from individuals who
29 are engaged in activities furthering the welfare of the human and

1 physical environment and who have expertise in areas of research
2 relating to the state, including the physical, biological, health,
3 environmental, social, and behavioral sciences;

4 (3) one member [IS TO BE] appointed from state departments
5 with research needs; [AND]

6 (4) one member [IS TO BE] appointed from individuals famil-
7 iar with the state and representative of the needs and interests of
8 private industry;

9 (5) the individual who serves as the senior science advisor
10 to the governor [IN THE GOVERNOR'S OFFICE], who serves as chairman and
11 director of the commission;

12 (6) one member appointed from the general public; and

13 (7) one member appointed from individuals with experience
14 in scientific, natural resource, and engineering information manage-
15 ment and policy.

16 * Sec. 4. AS 44.19.263 is amended to read:

17 Sec. 44.19.263. DUTIES OF THE COMMISSION. The commission shall

18 (1) [WITH THE SENIOR SCIENCE ADVISOR,] develop and recom-
19 mend an integrated state research policy;

20 (2) provide policy information to the governor and the
21 legislature on matters that have scientific, natural resource, and
22 engineering significance;

23 (3) receive scientific, natural resource, and engineering
24 information from the academic and industrial communities;

25 (4) act in an advocacy role for scientific, natural re-
26 source, and engineering issues and science education important to the
27 state that might otherwise be overlooked;

28 (5) assist state agencies in assessing research needs and
29 establishing priorities among them;

1 (6) facilitate cooperation between state agencies and the
2 University of Alaska and other academic institutions and industry;

3 (7) recommend methods to improve logistical planning and
4 support for needed state research;

5 (8) suggest methods for improving efficient sharing and
6 dissemination of data and information in the state among interested
7 public and private institutions;

8 (9) promote science education and training for young scien-
9 tists and engineers to pursue careers in the state and the Arctic;

10 (10) cooperate with the Federal Arctic Research Commission
11 and the Interagency Arctic Research Policy Committee in the formula-
12 tion of [THE] Arctic research and information policy; and

13 (11) not later than September 30 of each year, present to
14 the governor the commission's recommended research priorities of the
15 state for the next fiscal year.

16 * Sec. 5. AS 44.19.263 is amended by adding new subsections to read:

17 (b) The commission may

18 (1) receive money from private and government sources;

19 (2) award contracts and grants to accomplish the purposes
20 of AS 44.19.251 - 44.19.265.

21 (c) The commission shall conduct an annual policy review of the
22 programs of agencies of the state and the University of Alaska con-
23 cerned with the acquisition, management, transfer, circulation, and
24 dissemination of scientific, natural resource, and engineering infor-
25 mation, data, or materials and may develop and recommend appropriate
26 policies for organizations involved with such activities, including

27 (1) changes in the structure of an agency responsible for
28 information services and management to increase efficiency, coordina-
29 tion, or cooperation with agencies of the federal, state, and

1 municipal governments, and universities conducting research on Alaskan
2 or arctic subjects;

3 (2) means to ensure access to information and data in the
4 fields of natural resources, science, and engineering;

5 (3) appropriate budgetary allocations by organization or
6 function.

7 * Sec. 6. AS 44.19 is amended by adding a new section to read:

8 Sec. 44.19.264. DESIGNATION OF INFORMATION COLLECTION REPOSI-
9 TORIES. (a) A state agency may join the Council on Northern
10 Resources Information Management and participate in cooperative infor-
11 mation and data management sharing and dissemination programs.

12 (b) The commission shall use the Council on Northern Resources
13 Information Management as an advisory group for the development of
14 state policy on cooperative interagency information management, shar-
15 ing, and dissemination.

16 (c) The Alaska state library and the Rasmuson Library of the
17 University of Alaska-Fairbanks may be designated as primary library
18 information collection repositories and centers for scientific,
19 natural resource, and engineering knowledge.

20 (d) Each state agency and each organizational unit of the
21 University of Alaska shall maintain a listing and description with the
22 commission and with the Council on Northern Resources Information
23 Management of the natural resource, scientific, and engineering data
24 bases that the agency or unit has developed and is maintaining. The
25 listing shall be revised and submitted to the commission and the
26 council annually. Proprietary data may be protected under law.

27 (e) The Arctic Environmental Information and Data Center of the
28 University of Alaska-Anchorage shall provide professional information
29 acquisition activities, investigations and searches, or information

1 consultation liaison and referral services, or information dissemina-
2 tion services, under appropriate terms and conditions, to the commis-
3 sion, any agency of the state or unit of the University of Alaska, or
4 to the public and to private industry in the fields of natural
5 resource, scientific and engineering research, management and
6 development knowledge. The center may acquire and maintain current or
7 historic information collections, data bases or referral systems, or
8 directories to accomplish these services and prepare, publish, and
9 disseminate appropriate books, reports, maps, films, and other media
10 to meet the needs of governments and the public and private sectors.
11 The center may also share facilities and offer support services to
12 appropriate governmental agencies or university units whose missions
13 are enhanced by, and are compatible with, the operation of the center.
14 The center shall administer the Alaska State Climate Center estab-
15 lished under AS 14.40.085 in cooperation with the regional office of
16 the National Weather Service and the National Climatic Data Center
17 under cooperative agreements authorized by law.

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* Sec. 7. ~~AS 44.19 is amended by adding a new section to read:~~

19 Sec. 44.19.264. APPROPRIATIONS. Appropriations made for the
20 purposes of AS 44.19.251 - 44.19.265 are not one-year appropriations
21 and do not lapse under AS 37.25.010.

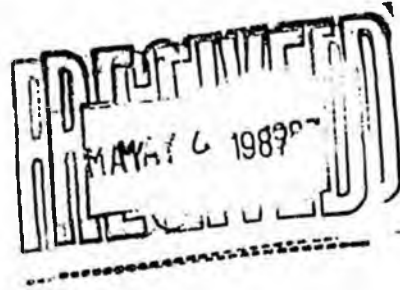
22 * Sec. 8. AS 44.19.265 is amended to read:

23 Sec. 44.19.265. SHORT TITLE. AS 44.19.251 - 44.19.265 may be
24 cited as the Alaska Science, Natural Resources, and Engineering
25 [RESEARCH] Policy Act.

26 * Sec. 9. Notwithstanding AS 44.19.259, the initial terms of members of
27 the science and engineering advisory commission appointed under AS 44.19.-
28 257(a)(6) and (7), enacted by sec. 3 of this Act, are for three years.

29 * Sec. 10. This Act takes effect immediately under AS 01.10.070(c).

Original sponsors: Josephson, Faiks,
Uehling, et al.



1 IN THE SENATE

2 CS FOR SENATE BILL NO. 232 (HSS)

3 IN THE LEGISLATURE OF THE STATE OF ALASKA

4 FIFTEENTH LEGISLATURE - FIRST SESSION

5 A BILL

6 For an Act entitled: "An Act establishing a state advisory committee on
7 Alaska-U.S. Arctic information policy; and providing
8 for an effective date."

9 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF ALASKA:

10 * Section 1. FINDINGS AND PURPOSE. (a) The legislature finds that

11 (1) a continuing state effort is needed to ensure the efficient
12 acquisition, storage, retrieval, transfer, and dissemination of current and
13 research-derived scientific and engineering knowledge concerning the
14 natural resources, environments, communities, and human conditions present
15 in the state;

16 (2) there is no formal organization uniting state, federal
17 municipal, and university information centers, libraries, and data systems;

18 (3) the state has made a considerable investment in the opera-
19 tion of information and data systems through its funding of resource man-
20 agement and scientific enterprise, and the preservation of the information
21 represents an investment that the state should protect by the inclusion of
22 the information within an accessible system;

23 (4) it is incumbent on each recipient of state funding, whether
24 an individual grantee or the administrator of a state program, to make
25 information available for state purposes;

26 (5) the interagency Council on Northern Resources Information
27 Management has as its objective the efficient management and sharing of
28 scientific, natural resource, and engineering information and data;

29 (6) plans for the termination or curtailment of information

1 centers, libraries, and data systems in government and at the University of
2 Alaska threaten seriously the enhancement and growth of the economy of the
3 state; the efficient interagency management and sharing of scientific,
4 natural resource, and engineering information; the capacity of state gov-
5 ernment to use accumulated information and to make technically correct
6 decisions involving science, natural resources, and engineering; and the
7 ability of the public to secure necessary information; and

8 (7) the collective knowledge and information available in li-
9 braries and information centers in the state represent wealth to the state
10 and profoundly affect the well-being of the state and its residents.

11 (b) The legislature intends that

12 (1) information resources be efficiently and cost-effectively
13 managed through appropriate technological systems that unify, combine, or
14 interconnect the diverse scientific, natural resource, and engineering
15 information systems and libraries of the state;

16 (2) policies and processes for cooperative management, transfer,
17 and dissemination of information be developed between federal, state,
18 municipal, and university systems and libraries;

19 (3) an information network to provide information services to
20 state, federal, municipal, and university research organizations and the
21 public and private sectors of the state be promoted and supported;

22 (4) appropriate roles within the information network established
23 in this Act be designated for state agencies and the University of Alaska.

24 * Sec. 2. AS 44.19 is amended by adding new sections to read:

25 ARTICLE 14B. STATE ADVISORY COMMITTEE ON ALASKA -

26 U.S. ARCTIC INFORMATION POLICY.

27 Sec. 44.19.270. STATEMENT OF POLICY. It is the policy of the
28 state in AS 44.19.270 - 44.19.290 to recognize the important role that
29 science, natural resources, and engineering research and education

1 play for the people of the state and the entire nation. The policy
2 will make it possible to

3 (1) find, develop, and manage the natural renewable and
4 nonrenewable resources of the state's land and water economically and
5 in an environmentally acceptable fashion;

6 (2) manage the unique features of the environment, fauna,
7 and flora of the state and protect them from harmful man-made and
8 natural influences;

9 (3) investigate and mitigate the effects of natural hazards
10 such as earthquakes, volcanic eruptions, avalanches, permafrost, and
11 other hazards that occur in the state;

12 (4) construct, operate, and maintain transportation sys-
13 tems, communications, housing, and other facilities suited to the
14 state's conditions;

15 (5) develop new technologies adapted to the unique con-
16 ditions and needs of the state;

17 (6) improve the health and well being through the life
18 cycle of the state's inhabitants; and

19 (7) identify and address future social and economic chal-
20 lenges facing the state.

21 Sec. 44.19.275. ESTABLISHMENT OF THE ALASKA-U.S. ARCTIC INFORMA-
22 TION POLICY COMMITTEE. (a) The state advisory committee on Alaska-
23 U.S. Arctic information policy is established in the Office of the
24 Governor.

25 (b) The committee is composed of seven members.

26 (c) Five members shall be appointed by the governor as follows:

27 (1) one member shall be appointed from the faculty of the
28 University of Alaska;

29 (2) three members shall be appointed from the state

1 membership of the Council on Northern Resources Information
2 Management;

3 (3) one member shall be appointed from the general public.

4 (d) The senior science advisor to the governor and the director
5 of libraries are members of the committee ex officio.

6 (e) The governor shall designate a presiding officer for the
7 committee.

8 (f) Members of the committee serve terms established under
9 AS 39.05.060.

10 Sec. 44.19.280. POWERS AND DUTIES OF THE COMMITTEE. (a) The
11 committee may

12 (1) receive money from private and government sources; and

13 (2) award contracts and grants to accomplish the purposes
14 of AS 44.19.270 - 44.19.290.

15 (b) The committee shall conduct an annual policy review of the
16 programs of agencies of the state and the University of Alaska con-
17 cerned with the acquisition, management, transfer, circulation, and
18 dissemination of scientific, natural resource, and engineering infor-
19 mation, data, or materials and may develop and recommend appropriate
20 policies for organizations involved with such activities, including

21 (1) changes in the structure of an agency responsible for
22 information services and management to increase efficiency, coordina-
23 tion, or cooperation with agencies of the federal, state, and municipi-
24 pal governments, and universities conducting research on Alaska or
25 arctic subjects;

26 (2) means to ensure access to information and data in the
27 fields of natural resources, science, and engineering;

28 (3) appropriate budgetary allocations by organization or
29 function.

1 Sec. 44.19.285. DESIGNATION OF MANAGEMENT ROLES IN COOPERATIVE
2 INFORMATION AND DATA MANAGEMENT FOR AN ALASKA-U.S. ARCTIC INFORMATION
3 NETWORK. (a) A state agency may join the Council on Northern Re-
4 sources Information Management and participate in cooperative infor-
5 mation and data management sharing and dissemination programs.

6 (b) The committee shall use the Council on Northern Resources
7 Information Management as an advisory group for the development of
8 state policy on cooperative interagency information management, shar-
9 ing, and dissemination.

10 (c) The Alaska State Library and the Rasmuson Library of the
11 University of Alaska-Fairbanks may be designated as primary library
12 information collection repositories and centers for scientific,
13 natural resource, and engineering knowledge.

14 (d) Each state agency and each organizational unit of the
15 University of Alaska shall maintain a listing and description with the
16 commission and with the Council on Northern Resources Information
17 Management of the natural resource, scientific, and engineering data
18 bases that the agency or unit has developed and is maintaining. The
19 listing shall be revised and submitted to the committee and the coun-
20 cil annually. Proprietary data may be protected under law.

21 (e) The Arctic Environmental Information and Data Center of the
22 University of Alaska-Anchorage shall provide professional information
23 acquisition activities, investigations and searches, information
24 consultation liaison and referral services, and information dissemina-
25 tion services, under appropriate terms and conditions, to the commit-
26 tee, any agency of the state or unit of the University of Alaska, or
27 to the public and to private industry in the fields of natural re-
28 source, scientific and engineering research, management and develop-
29 ment knowledge. The center may acquire and maintain current or

1 historic information collections, data bases or referral systems, or
2 directories to accomplish these services and prepare, publish, and
3 disseminate appropriate books, reports, maps, films, and other media
4 to meet the needs of governments and the public and private sectors.
5 The center may also share facilities and offer support services to
6 appropriate governmental agencies or university units whose missions
7 are enhanced by, and are compatible with, the operation of the center.
8 The center shall administer the Alaska State Climate Center estab-
9 lished under AS 14.40.085 in cooperation with the regional office of
10 the National Weather Service and the National Climatic Data Center
11 under cooperative agreements authorized by law.

12 Sec. 44.19.290. APPROPRIATIONS. Appropriations made for the
13 purposes of AS 44.19.270 - 44.19.290 are not one-year appropriations
14 and do not lapse under AS 37.25.010.

15 * Sec. 3. This Act takes effect immediately under AS 01.10.070(c).
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APR 23 1987

37 Glacier. #3
Fairbanks, Ak 99701

April 21, 1987

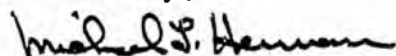
Honorable Paul A. Fischer
P.O. Box V
Juneau, Alaska 99811

Dear Senator Fischer,

After having reviewed Senate Bill No. 232, "An Act relating to a science, natural resource, and engineering policy...", with several of my colleagues in the Alaska Library Association, I feel that the bill presents a number of potential jurisdictional and governance problems that should be addressed by the entire community of custodians and deliverers of information before it is adopted. Additionally, I feel that the bill implies a funding commitment on the part of the state that may be difficult to justify and difficult to sustain, particularly when a number of existing information-related programs have been severely curtailed.

I urge you and members of the Senate HESS committee to proceed cautiously with this bill and, in particular, to solicit testimony about its potential impact from the Alaska State Library, from librarians and information deliverers associated with the University of Alaska, and from other information custodians throughout the state.

Sincerely,



Michael L. Herman
Alaska Library Association
Governmental Relations Committee

**STATE OF ALASKA 1987 LEGISLATIVE SESSION
FISCAL NOTE**

REQUEST: _____

Bill Version: SB 232
Publish Date: 4/2/87

Revision Date: _____ Agency Affected: Office of the Governor
Title: An Act relating to a science, BRU: Division of Policy
natural resource and engineering policy...
Sponsor: Josephson, Faiks, Uehling, .. Components: _____
Requestor: Josephson

EXPENDITURES/REVENUES: (Thousands of Dollars)

OPERATING	FY 87	FY 88	FY 89	FY 90	FY 91	FY 92
PERSONAL SERVICES		\$225.5				
TRAVEL		20.0				
CONTRACTUAL		40.0				
SUPPLIES		5.0				
EQUIPMENT		25.0				
LAND & STRUCTURES						
GRANTS, CLAIMS						
MISCELLANEOUS						
TOTAL OPERATING		\$315.5				
CAPITAL						
REVENUE						

FUNDING: (Thousands of Dollars)

GENERAL FUND		\$315.5				
FEDERAL FUNDS						
OTHER						
TOTAL		\$315.5				

POSITIONS:

FULL-TIME		5				
PART-TIME						
TEMPORARY						

ANALYSIS : (Attach a separate page if necessary)

Additional professional and administrative staff will be required to perform the expanded duties of the Commission. Contractual, equipment and supplies funding are for publication and meeting-related costs, equipment and furniture for staff. Travel is for seven-member Commission, assumes three three-day meetings/year.

Prepared by: Michael A. Nizich Phone: 465-3616
Division: Director, Division of Admin. Services Date: 5/4/87

Approved by Commissioner: Carol P. Kurland Date: May 4, 1987
Agency: Office of the Governor

Distribution (by preparer):

- Legislative Finance
- Legislative Sponsor
- Requestor
- Office of Management and Budget
- Impacted Agency(ies)
- Senate Secretary

STATEMENT OF BARBARA SOKOLOV
IN CONSIDERATION OF SB 232
BEFORE THE

ALASKA SENATE COMMITTEE ON HEALTH, EDUCATION, AND SOCIAL SERVICES
APRIL 29, 1987

Chairman Fischer, members of the Committee:

My name is Barbara Sokolov. I am the supervisor of the Information Services Division of the Arctic Environmental Information and Data Center (AEIDC).

With the enactment of the federal Arctic Research & Policy Act of 1984, Washington discovered the Arctic. This federal Act closely links research and the management of data and information. The presidentially appointed Arctic Research Commission and the Governor of Alaska together identified three areas of priority for federal-state cooperation, and the first of these priorities was the management of arctic data and information. The health of arctic peoples and the arctic fisheries resources were the other two priority areas for cooperative efforts.

I have just completed a year long effort, funded by the National Science Foundation, to develop a design plan for a national arctic information network. The objective of the arctic information network is to enable a user to ascertain if information or data on a particular aspect of the arctic exists, and if so how and where to obtain it. Obviously, the State of Alaska has a major stake in a national arctic information network. This bill, with the amendments we offer, or in its original form, designates an official Alaskan representation to serve as a partner in the establishment and governance of a national arctic information network.

The lynchpin of this network is the linking of collectors of arctic information more directly with the users of information: the decision-makers, developers, special interest groups and the general public. AEIDC has provided this key referral service to Alaskans for the past 15 years. This bill brings together, at a policy level, the researchers or collectors of information and the managers of that information and data. It also provides a statutory basis for AEIDC to continue its work in helping to identify, collect and disseminate technical information and data.

Those outside Alaska who are involved with these federal arctic research interests and planning, are unable to understand the current course of action in our State. With the proposed elimination of both the Health Sciences Library and AEIDC, Alaska seems to be moving in the opposite direction of the areas of federal concern in the Arctic. Senate Bill 232 corrects this impression by establishing a basis for Alaska's part in a national arctic information network. We should seize this opportunity to provide leadership and to coordinate with federal efforts for the development of such a network that can so greatly benefit Alaska.

Decisions concerning the Arctic and the management of arctic information are going to be made in Washington in the coming months. If Alaska does not act positively, these decisions of such vital concern to us will be made without our participation and with scant attention to our interests.

STATEMENT OF
DAVID M. HICKOK
BEFORE
THE ALASKA STATE SENATE
COMMITTEE ON HEALTH, EDUCATION, AND SOCIAL SERVICES
IN CONSIDERATION OF SB232
APRIL 29, 1987

Chairman Fischer, members of the Committee, my name is David Hickok. I am director of the University of Alaska's Arctic Environmental Information and Data Center, current president of the Alaska Academy of Engineering and Sciences and past chairman of the Alaska Council on Science and Technology. I have been involved with science policy--particularly arctic science policy since 1964 when I began working with Bob Bartlett on his ideas that U.S. arctic policy should equate with U.S. Antarctic interests. For 21 years I carried this dream forward, virtually alone. In 1968 in my capacity with the Federal Field Committee for Development Planning in Alaska (the post 1964 earthquake reconstruction group), I helped place on President Johnson's desk a United State's policy for arctic interests. The president was ill in the later days of his office and did not sign this policy. In 1981 U.S. arctic policy interests were resurrected in a white paper authored by me and four colleagues entitled U.S. Arctic Science Policy.

This paper was the foundation of legislation sponsored by Senators Murkowski, Stevens, and Jackson--which I also helped prepare and which ultimately became law as the U.S. Arctic Research and Policy Act.

During the Hammond administration I helped establish the Alaska Council on Science and Technology. In all of these involvements, I have been driven by three primary objectives:

First, that the national interest in the arctic deserved greater attention.

Second, that the state of Alaska needed to assert its state interests aggressively in order to counterbalance federal dominance.

Third, that engineering and science knowledge needed to be directly applied to the practical matters of natural resource development, better communities, improved transportation, etc.--that science and technology should serve the needs and aspirations of society.

Perhaps this concept came from years of earlier experience as a farmer, researcher, logger, engineer, and builder.

It is, nevertheless, from this background that I speak to you today.

My essential message to you is:

(1) that federal law links U.S. arctic science policy and programs to foundations of policies and programs in knowledge transfer for the societal objectives of both the nation and the state;

(2) that former Governor Sheffield and U.S. Arctic Research Commission Chairman James Zumberge expressed jointly in their letter of January 31, 1986, that their first science policy priority was the formulation of an Alaska/Arctic information network--they requested action to that end;

(3) that the Alaska science policy statute, unlike federal law, is currently silent on this essential linkage of science and information policy and that this omission in the original statute should be corrected; and

(4) that the opportunity exists, here and now, to pass out SB 232 and to demonstrate Alaska's commitment to U.S. arctic policy interests through partnerships between science and information networking.

Senate Bill 232 was crafted to accomplish the following:

- awareness of the importance of natural resource, scientific, and engineering information to the state;
- that this information and knowledge equates with wealth; it is worth money, both domestically and as an exportable commodity;
- that the Alaska Science and Engineering Advisory Commission can and should be strengthened by linkage between science and information policies and more direct concern with the interreaction between natural resource and science and engineering policy matters;
- that the existing informal considerations of the interagency (federal, state, municipal, university, and private) Council on Northern Resources Information Management (CONRIM) could be greatly strengthened by direct state recognition and relationship;
- that the state's relationship to the U.S. Arctic Research Commission and the U.S. Interagency Arctic Research Policy Committee would be strengthened by the CONRIM connection since CONRIM is envisioned within the National Arctic Information Network Plan as the interagency mechanism, supported equally by federal and state policy input, which will execute information transfer programs; and
- that the planning process for the implementation of a national arctic information network will be expedited greatly by the designation of information policy and management roles within state agencies and the university.

With the linkage of science and information policy vested in the Alaska Science and Engineering Advisory Commission, as proposed by SB 232, the stage is set for the execution of the partnership between the state and the federal government for an Alaska/arctic information network. Without action by Alaska, I fear that the federal agencies will proceed unilaterally in their

advocacy of a five-year arctic research plan before the Congress this summer including the establishment and operation of a national arctic information network. This would indeed be a sad and unnecessary happening and would not bode well for Alaska's interests.

So much for background and reasons. My colleague Barbara Sokolov will tell you a bit more about the National Arctic Information Network, and I will go step by step through SB 232 commenting upon specific proposed changes.

**STATE OF ALASKA 1987 LEGISLATIVE SESSION
FISCAL NOTE**

REQUEST:

Bill Version: CSSB 232 ()
Publish Date: 4/2/87

Revision Date: 5/6/87
Title: "An Act establishing a state advisory committee on Alaska-U.S. Arctic..."
Sponsor: Josephson, Uehling, Faiks
Requestor: Josephson

Agency Affected: Office of the Governor
BRU: Division of Policy
Components: _____

EXPENDITURES/REVENUES: (Thousands of Dollars)

OPERATING	FY 87	FY 88	FY 89	FY 90	FY 91	FY 92
PERSONAL SERVICES						
TRAVEL						
CONTRACTUAL						
SUPPLIES						
EQUIPMENT						
LAND & STRUCTURES						
GRANTS, CLAIMS						
MISCELLANEOUS						
TOTAL OPERATING		0	0	0	0	0
CAPITAL						
REVENUE						

FUNDING: (Thousands of Dollars)

GENERAL FUND		0	0	0	0	0
FEDERAL FUNDS						
OTHER						
TOTAL		0	0	0	0	0

POSITIONS:

FULL-TIME						
PART-TIME						
TEMPORARY						

ANALYSIS : (Attach a separate page if necessary)

This revision of SB 232 amends AS.19.252-265, The Arctic Research Policy Act, by adding new sections creating a State Advisory Committee on Alaska - U.S. Arctic Information Policy in the Office of the Governor.

(continued on second page)

Prepared by: Michael A. Nizich, Director Phone: 465-3616
Division: Division of Administrative Services Date: 5/6/87

Approved by Commissioner: Cecil P. Kastelin Date: May 7, 1987
Agency: Office of the Governor

Distributions (by preparer):

- Legislative Finance
- ✓ Legislative Sponsor
- ✓ Requestor
- Office of Management and Budget
- Impacted Agency(ies)
- Senate Secretary

FISCAL NOTE

CSSB 232 ()

Office of the Governor

According to this bill, "The Arctic Environmental Information and Data Center of the University of Alaska-Anchorage shall provide professional information acquisition activities, investigations and searches, information consultation liaison and referral services, and information dissemination services, ... may acquire and maintain current or historic information collections, data bases or referral systems or directories to accomplish these services and prepare, publish, and disseminate appropriate books, reports, maps, films, and other media to meet the needs of governments and the public and private sectors."

It is assumed, then, that there would be no staffing requirements made on the Office of the Governor other than the ex officio membership of the Governor's senior science advisor, and that costs associated with the acquisition, maintenance and reporting functions described in this bill would be borne by the Arctic Environmental Information and Data Center of the University of Alaska-Anchorage (AEIDC).

The bill states that the Committee is "established in the Office of the Governor," that members "shall be appointed by the Governor," that the "senior science advisor to the governor" is an ex officio member of the committee, and that the Governor shall designate a presiding officer for the Committee. It also provides that members of the Committee be eligible for travel and per diem, and that the committee may "(1) receive money from private and government sources; and (2) award contracts and grants to accomplish the purposes of AS 44.19.270 - 44.19.290."

Analysis assumes no extraordinary fiscal impact to the Office of the Governor associated with the appointment of the membership or the participation of the senior science advisor. Responsibility for payment of travel and per diem for Committee members is unclear in the legislation; however, since research and administrative functions appear to be housed with the AEIDC, it is assumed that travel and per diem costs associated with the work of the Committee would also be borne by the AEIDC.