

EXECUTIVE

ORDER - 48

STATE OF ALASKA

DEPT. OF ENVIRONMENTAL CONSERVATION

JAY S. HAMMOND, GOVERNOR

POUCH 0 - JUNEAU 99811
(907) 465-2600

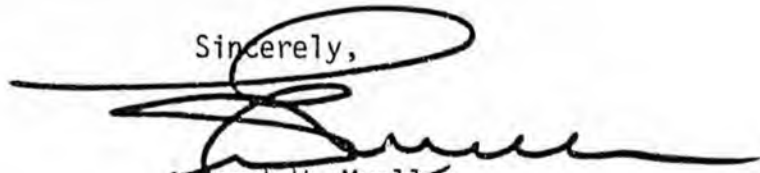
January 22, 1981

The Honorable Vic Fischer
Alaska State Legislature
Pouch V
Juneau, Alaska 99811

Dear Senator Fischer:

The Department of Environmental Conservation supports the transfer of the Alaska Council on Science and Technology to the Department of Administration as detailed in Executive Order No. 48.

Sincerely,



Ernst W. Mueller
Commissioner



THE ALASKA COUNCIL ON SCIENCE AND TECHNOLOGY

January 20, 1981

Senator Vic Fischer, Chairman
State Affairs Committee
Alaska State Legislature
Pouch V
Juneau, Alaska 99811

Dear Senator Fischer:

As requested by your committee staff, I have included several items regarding Executive Order 48 for background purposes (E.O. 48 transfers the Alaska Council on Science and Technology to the Department of Administration): 1) short history; 2) justification; and 3) description of the Alaska Council on Science and Technology.

History:

Last year the Governor, in an effort to streamline the executive operations, divested his office of most of the boards, councils and commissions which had been placed there over the past few years. The method for doing this for the Council was by issuing executive order 46; transferring the Council to the Department of Environmental Conservation. However, for reasons outlined below, the Council subsequently requested that the move be to the Department of Administration instead. To accomplish this, the House State Affairs Committee submitted H.B. 931. This, however, was amended on the floor of the House of Representatives to add two legislators to the Council; a move not appreciated by the administration due to their contention this violated the separation of powers doctrine. Consequently, the governor vetoed CS HB 931 am S and the Council moved (administratively) to the Department of Environmental Conservation via the previously submitted executive order 46.

It should be noted that in his veto message the governor pointed out that he would submit another executive order at the start of the 12th Legislative Session moving the Council from Environmental Conservation to Administration. Hence, executive order 48.

Justification:

There are two major reasons for executive order 48:

- 1) The Alaska Council on Science and Technology transcends all aspects of science and is not solely concerned with one discipline or category. Therefore, it should not be in a "mission" oriented agency. Further, as the Alaska Council on Science and Technology

Senator Vic Fischer
January 20, 1981
Page 2

is directed by statute to advise the executive and legislative branches, it must remain as independent and objective as possible. Being a non-program or nonadvocacy agency, the Department of Administration fills these needs.

- 2) Since the reason for the move is to fulfill administrative support requirements, the agency best suited for this is the Department of Administration.

Description of the Alaska Council on Science and Technology

Created by statute in 1978, the Council was established to provide scientific advice on current issues to the legislature and governor. The primary process for delivering this advice has come through its research needs committees. Comprised of experts in twelve categories, the Council has produced short, concise recommendation papers used by state policy makers on decisions relating to science and technology or requiring analysis by the scientific community. Examples of these committees include agriculture, transportation, minerals and health.

Another major responsibility of the Council is administration of research and technology grants. Last year the Council completed its second round of Northern Technology Grants under this program and was given an additional appropriation for \$300,000 to address "Geophysical Hazards and other Research".

Finally, all parties involved in this move are supportive of executive order 48: the Alaska Council on Science and Technology, the Department of Environmental Conservation and the Department of Administration. If you or your staff desire further elaboration on either the executive order or the Council, please let me know.

Sincerely,



Christopher Noah
Executive Director

CN:1jm

January 12, 1981

President of the Senate
Alaska State Legislature
Pouch V
Juneau, AK 99811

Dear Mr. President:

Under the authority of Article III, Section 23, of the Alaska Constitution, I am transmitting to you Executive Order No. 48, dated January 12, 1981. This order would transfer the Alaska Council on Science and Technology from the Department of Environmental Conservation to the Department of Administration. Under that section of the constitution, the legislature has 60 days of a regular session, or a full session if of shorter duration, to disapprove this executive order.

In the 1980 legislative session, the legislature passed CSHB 931 am S, making this same transfer. However, I vetoed that bill because, in making the transfer, the legislature also added a provision which would have placed two members of the legislature on the council, which is unconstitutional in at least three respects. Please see my June 13, 1980 letter to the president of the senate and the speaker of the house. 1980 Senate Journal, page 1735, and 1980 House Journal, page 2197.

Other than the relocation, this order makes no change in the existing law pertaining to the council. Although it concerns me as a matter of separation of powers under our constitution, I am leaving unchanged the provision of existing AS 44.46.070(a) (proposed AS 44.21.200(a)) which places a legislative staff member on the council. To the extent that the council's functions are only informational or advisory, this poses no problem. However, existing AS 44.46.080(d) (proposed AS 44.21.210(d)), for example, authorizes the council to make grants of financial assistance to persons engaged in the development of "northern technology." (Also see existing AS 44.46.080(a) and (b)(3) and (5) [proposed AS 44.21.210(a) and (b)(3) and (5)].) That is an executive-branch function; i.e., making grants is a function which carries out the law, and, under the constitution, the executive carries out the law. A person who is employed by the legislature is not legally capable of doing so,

except as an incident to carrying out the functions of that branch. Buckley v. Valeo, 424 U.S. 1 (1976). The provision authorizing the council to make grants for northern technology will terminate June 30, 1984, and that will remove part of the problem.

Section 7 of this order terminates two provisions, consistent with sec. 8, ch. 56 SLA 1979.

Sincerely,

S/JSH

Jay S. Hammond
Governor

SENATE STATE AFFAIRS
COMMITTEE MEETING SCHEDULE

TUESDAY

Feb. 10
1:30 p.m.

SENATE BILL 124

"An Act relating to a state office complex at Anchorage; and providing for an effective date."

Hearing

SENATE JOINT RESOLUTION 11

"Relating to actions of the Bolivian government."

Hearing

THURSDAY

Feb. 12
1:30 p.m.

SENATE BILL 110

"An Act making a special appropriation to DOTPF for a senior citizens' building in Chigiak; and providing for an effective date."

Hearing

SENATE BILL 133

"An Act relating to memorials to Alaskan veterans; and providing for an effective date."

Hearing

SENATE BILL 134

"An Act making a special appropriation to the Dept. of Transportation and Public Facilities for construction of a memorial to Alaskan veterans; and providing for an effective date."

Hearing

ALL HEARING WILL BE CONDUCTED IN THE SENATE STATE AFFAIRS COMMITTEE ROOM, BEHRENS BLDG., FIRST FLOOR. IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT SEN. FISCHER'S OFFICE (465-4954, 4955).



Alaska State Legislature

Senate

Committee on State Affairs

Pouch V
State Capitol
Juneau, Alaska 99811

Official Business

Jan. 29, 1981

Behrends Bldg.

1:30 p.m.

First Floor

MEMBERS PRESENT

SENATOR FISCHER, CHAIRMAN
SENATOR BRADLEY
SENATOR COLLETTA

MEMBERS ABSENT

SENATOR ELIASON
SENATOR STIMSON

AGENDA: Senate Bill 90 "An Act relating to privacy and public information and changing Rule 65 of the Alaska Supreme Court Rules of Civil Procedure."

Chairman Fischer called the meeting to order and then requested testimony on Senate Bill 90. Eight persons testified on the bill (see attached sign-in sheet).

Senator Parr, prime sponsor of the legislation, outlined the provisions of the bill, from the opening general statement of policy on information to a detailed analysis of the exemptions described. With regard to the exemptions, Senator Parr suggested that there were two ways of grouping them for consideration: 1.) Alaska constitutional right to privacy, and 2.) public policy securing confidentiality for the general public benefit. The exemptions and definitions outlined in SB 90 were carefully covered by Senator Parr prior to more substantive discussion of the legislation. He cited the passage into law of the Federal legislation addressing freedom of information more than thirteen years ago as an example Alaska might follow. Senator Parr also stressed the importance of correctly balancing the people's right to privacy and the people's right to know. Although the legislation has been introduced four times since May of 1975, it has never passed, and the existing statutes remain vague, marked by insufficient definition. Sen. Parr responded to various questions about the language and intent of specific sections.

Bruce Horowitz, supervising attorney of Alaska Legal Services, provided a written proposal for amendment of SB 90. He presented the proposed amendments individually and expressed general support of the legislation.

Barry Stern, representing the Dept. of Law, emphasized in his testimony that existing statutes addressing freedom of information are inadequate. He further remarked that the constitutional provision for a right to privacy frequently conflicts with the public's right to know. The concept of the right to privacy is left up to the agency to decide. Mr. Stern stressed the need for guidelines in determining the scope of a person's right to privacy. He also maintained that the exemptions section of the legislation is too specific, and agreed to transmit to the committee written suggested language to amend this section.

Elizabeth Cuadra, of the League of Women Voters of Alaska, gave brief testimony expressing support for SB 90 and for accessibility of records.

Patty Moriarty, of the Ombudsman's office, provided testimony from two perspectives: that of the Ombudsman's office, and that of the complainant seeking assistance from the Ombudsman's office. She read from the Ombudsman's report of Hawaii which bore the premise that information should be shared between the people and their elected representatives for decision-making purposes. Ms. Moriarty proposed language changes for specific sections of SB 90.

Earl Deater, of the Operating Engineers Union-302, testified in favor of SB 90, pointing out passage of such a measure would assist people in many professions in obtaining information.

Lee Sharp, attorney for the City and Borough of Juneau, provided testimony on the bill regarding the effect it would have on municipalities. Mr. Sharp maintained that local government should make decisions on how local records should be made available. He pointed out that additional costs would be created by the passage of SB 90 in terms of "search costs" and duplication costs. Mr. Sharp concluded his testimony with the statement that he agreed that public records should be made public, but that some things must rest at the local level.

Roland Shanks, of the Alaska Environmental Lobby, provided brief testimony in support of the bill and the intent behind it, noting that "public corporations" were not included in the list of people and agencies covered by the bill.

Chairman Fischer adjourned the meeting in light of the fact that scheduled time had expired.

SENATE STATE AFFAIRS
COMMITTEE MEETING SCHEDULE

TUESDAY

Feb. 3
1:30 p.m.

EXEC. ORDER #48

Relating to the transfer of the Alaska Council on Science and Technology from the Department of Environmental Conservation to the Department of Administration.

Hearing

SENATE BILL 54

"An Act relating to the Alaska National Guard and Naval Militia; and providing for an effective date. "

Hearing

SENATE BILL 72

"An Act relating to veterans and public records. "

Hearing

THURSDAY

Feb. 5
1:30 p.m.

SENATE BILL 90

"An Act relating to privacy and public information; and changing Rule 65 of the Alaska Supreme Court Rules of Civil Procedure. "

All-sites teleconference hearing

ALL HEARINGS WILL BE CONDUCTED IN THE SENATE STATE AFFAIRS COMMITTEE ROOM, BEHRENS BLDG., FIRST FLOOR. IF YOU HAVE ANY QUESTIONS, PLEASE CONTACT SEN. FISCHER'S OFFICE (465-4954,4955).



Official Business

Alaska State Legislature

Senate

Committee on State Affairs

Pouch V
State Capitol
Juneau, Alaska 99811

PUBLIC SERVICE ANNOUNCEMENT

The Senate Committee on State Affairs, chaired by Senator Vic Fischer, will be holding an all-sites teleconference hearing on Senate Bill 90 entitled "An Act relating to privacy and public information; and changing Rule 65 of the Alaska Supreme Court Rules of Civil Procedure." The teleconference will be held on Thursday, February 5, 1981 at 1:30-3:00 pm (Pacific Standard); 11:30 am - 1:00 pm (Alaska Standard); 10:30 am - 12 noon (Bering Standard). In Juneau, the teleconference will be held in the State Affairs Committee Room, 1st floor Behrends Building. Please call your local Legislative Information Office for other locations. An opportunity will be provided for as many persons as possible to testify during the allotted time. Send written testimony to Senator Vic Fischer, Senate State Affairs Committee, Pouch V, Juneau, Alaska 99811 or call 465 - 4954.

Thank you.

STATE OF ALASKA
THE LEGISLATURE

POUCH Y - STATE CAPITOL
JUNEAU, ALASKA 99811
907-465-3800

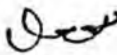
LEGISLATIVE AFFAIRS AGENCY

MEMORANDUM

February 11, 1981

SUBJECT: Senate State Affairs Committee meeting
February 12, 1981

TO: J. Christopher Noah
Executive Director
Alaska Council on Science and Technology

FROM: David T. Walker 
Co-Revisor of Statutes

Chris, I look forward to the opportunity to meet Senator Fischer and will be there tomorrow at 1:30 P.M. Would you do whatever you can to get me on the agenda early in the meeting?

I understand that Senator Fischer wants me to address the matters raised by Arthur Peterson's memo of February 6, 1981 and I thought a preliminary remark or two might be of some help to the committee.

Mr. Peterson's memo makes the following assertions/recommendations regarding Executive Order No. 48:

- (1) That the reference to AS 44.19.181 - 44.19.189 in line 12 on page 1. is correct because AS 37.12.070(16) still contains that reference. I agree completely.
- (2) That AS 44.19.181 is properly referenced in line 17 on page 5, for the same reason. I agree completely.
- (3) That the error in Sec. 6 is a manifest clerical error which can be corrected by the revisor. This is the sort of error routinely corrected by the revisor.

Since you have already conveyed this information to the Committee, I can only speculate that they wish to know the technical answers to the following questions:

J. Christopher Noah
Page 2
February 11, 1981

(1) AS 37.12.070(16) -- why was it not corrected in the supplement? The section was not amended in 1980 -- the publisher just reprinted it as it was and missed the internal cross-reference change.

(2) AS 44.66.010(a)(6) -- This internal reference was also missed by the publisher.

The publisher will be notified so that the correct references will appear in the statutes. The revisor's office deals routinely and often with this type of correction -- it is one of our statutory responsibilities.

DTW:ljb

~~cc~~ Senator Vic Fischer, Chairman
Senate State Affairs Committee

STATE OF ALASKA

JAY S. HAMMOND, GOVERNOR

DEPARTMENT OF LAW

OFFICE OF THE ATTORNEY GENERAL

POUCH K - STATE CAPITOL
JUNEAU, ALASKA 99811
PHONE: (907) 465-3600

February 6, 1981

Hon. Vic Fischer, Chairman
Senate State Affairs Committee
Alaska State Legislature
Pouch Y
Juneau, Alaska 99811

DAVID WALKER

Hon. Mike Miller, Chairman
House State Affairs Committee
Alaska State Legislature
Pouch Y
Juneau, Alaska 99811

PROBLEMS OF
CITATION

Re: Executive Order No. 48 and Senate
Bill No. 48 (Council on Science
and Technology)
Our File No. J-77-105-81

Dear Sen. Fischer & Rep. Miller:

I understand that, when Executive Order No. 48 was being considered in the Senate State Affairs Committee recently, a question arose regarding the reference to "44.19.181 -- 44.19.189" in line 12 on page 1. Concern was expressed about that reference because the co-revisors of statutes, acting under AS 01.05.031, relocated the statutes pertaining to the Council on Science and Technology from as 44.19.181 -- 44.19.189 to AS 44.46.070 -- 44.46.110. It was evidently felt by the committee that the reference to the old numbers at that point in the order was a mistake since AS 44.19.181 -- 44.19.188 now pertain to the Yukon-Taiya Commission.

However, that reference appears in the order because the statute being amended in sec. 2 of the order -- AS 37.12.070(16) -- still contains that reference. It is set out in brackets to delete it. This has no effect on the Yukon-Taiya Commission.

For the same reason, AS 44.19.181 is referred to in line 17 on page 5, where AS 44.66.010(a)(6) is being amended.

Hon. Vic Fischer
Hon. Mike Miller

-2-

February 6, 1981

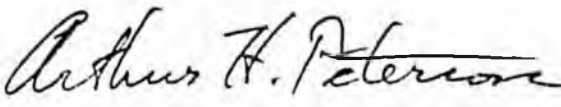
You will note that the repealer in sec. 6 of the order repeals the relevant statutes in their current location, not their old location. AS 44.19.181 -- 44.19.188 are not being repealed. And SB 48, a companion measure, amends two of the Council on Science and Technology statutes in their current location.

It is in sec. 6, however, that a small error appears. The reference to "44.46.100" should be to "44.46.110." I believe that this is a "manifest clerical error" which can be corrected by the co-revisors of statutes under AS 01.05.031(b)(7). It would make no sense to repeal AS 44.46.070 -- 44.46.100 and leave AS 44.46.110 untouched, because the latter section is simply one that gives the short title of that whole group of sections.

If you should have any further questions on this matter, please do not hesitate to call me.

Yours truly,

WILSON L. CONDON
ATTORNEY GENERAL

By: 
Arthur H. Peterson
Assistant Attorney General

AHP:wjp

cc: Donna Pegasus & David Walker
Co-revisors of Statutes
Legislative Affairs Agency

Chris Noah, Executive Director
Council on Science & Technology

THE LEGISLATURE OF THE STATE OF ALASKA
TWELFTH LEGISLATURE

FISCAL NOTE

I. REQUEST

Bill/Resolution No. Executive Order #48
Title Transfer of the Alaska Council on Science & Tech to Dept. of Admin.
Requested by Governor Date 1/8/81

II. FISCAL DETAIL

Agency Affected Administration
Program Category Affected Natural Resources Management and Environmental Conser.
BRU, Program, or Subprogram(s) Affected Alaska Council on Science and Technology
(Note: If more than one budget component is affected, separate line-item amounts and funding for each component in the analysis section.)

EXPENDITURES (Thousands of Dollars)

	FY 81	FY 82	FY 83	FY 84	FY 85	FY 86
100 PERSONAL SERVICES						
200 TRAVEL						
300 CONTRACTUAL						
400 COMMODITIES						
500 EQUIPMENT						
600 LAND & STRUCTURES						
700 GRANTS, CLAIMS, ETC.						
TOTAL	-0-	-0-	-0-	-0-	-0-	-0-

FUNDING (Thousands of Dollars)

GENERAL FUND	-0-	-0-	-0-	-0-	-0-	-0-
FEDERAL FUNDS						
OTHER (Specify Fund Source)						

POSITIONS

FULL TIME						
PART TIME						
TEMPORARY						

III. ANALYSIS (See Fiscal Note Preparation Instructions, Section III)

IV. DATE 1/8/81 PREPARED BY Christopher Noah, Executive Director
AGENCY Alaska Council on Science and Technology
PHONE 465-3510
Original: Legislative Finance
cc: Budget and Management
Prime Sponsor (First Legislator Named)

2/3/81
4:26 P.M.

uniform

Chris Noak talked w/
A.G.'s office

- Tarja - Has been out of business

send an amendment ASAP recognizing
fact & changing it
→ a technical change

problem -
an chg. could be vetoed

1/20/81

Ernest W. Mueller, Commissioner
Dept. of Environmental Cons.

Executive Order #48

Executive Order 48

Y
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O
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1/20/81

Judge Crondahl, Leg. Liason

Executive Order #48

Ex. Order #48

Y
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O
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1/20/81

Rod Mourant

Executive Order #48

Ex. Order #48

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Call Sheet

Executive Order # 48

<u>Pos.</u>	<u>Name</u>	<u>Group</u>	<u>Number</u>
<u>Yes</u>	Chris Noah, Ex. Dir.	AK Council on Science & Tech	3510

Executive Order # 48 1/15/81

Chris Noah - #3570

AB 931 - amended Sen.
Ex. Dir. AK Council on Science & Tech.
annual report 1st of Feb.
contact people

- Environmental Conservation

Ernie Mueller

- Dept. of Admin.
Fudy Crandall?

- call list

① advisory

260,000 from leg.

② grants

③ 300,000 - geophysical
regards

1 day notice for hearing

- sd. How's office, Environmental
Conservation Dept. of Admin. all
in favor.

- will send 10 copies of newsletter
& letter re: position by 1/24/80

L X. order 96



Newsletter

Alaska Council on Science and Technology

Volume 1 No. 2

October/November 1980

ACST Report Executive Director

Christopher Noah

Much of this issue focuses on the results of this year's Northern Technology Grants Program. The Alaska Council on Science and Technology was overwhelmed with responses to this popular program - more than three times the number from its initial program. Further, because of the interest of the scientific community, the Council also was able to tap the services of over 200 scientific and technological reviewers - again, up significantly from last year. The Council and I would like to personally thank all who participated in the program.

Now that the Northern Technology Grants Program cycle is over for this year and a new one expected in late winter, we should take time to reflect - to improve the process. For even though the Council was able to grant \$133,000 in projects, there were many which went unfunded. The main cause for this was lack of adequate information presented by the proposers. Either people had misinterpreted our directions in the guidelines and understood "short" to mean loose or we did not provide adequate guidance - or both. We found that although many, many of the ideas were fundable, it was difficult to tell what the applicants were going to do, how they were going to spend the state's funds and how they would transfer their knowledge to other citizens.

We are now in the process of re-writing our grant guidelines to improve directions for the applicants. However, that is only half of the problem. If average citizens are going to be asked to prepare proposals in response to numerous state grant and loan programs, then they should be given assistance on how to write an application for these programs.

There are many ways to do this: conferences for citizens; a simple instruction booklet on how to write state grant and loan applications; a toll-free number with a recorded message; classes at the community college; just to name several.

One might ask "Why didn't the Alaska Council on Science and Technology do this sooner?" This has been a learning experience for us too as it is a new, innovative program; we

have constantly been revising our procedures and guidelines to meet the needs of the citizens of Alaska. And as the Northern Technology Grants Program moves administratively from the Council's tutelage next year, we will pass on our suggestions. Any suggestions from you would also be appreciated.

AAAS Alaska Division News

T. Neil Davis

Approximately 420 registrants attended the successful 31st Alaska Science Conference held at the Captain Cook Hotel in Anchorage, September 17-19. Even before the meeting was over, 1981 Alaska Division president Dr. John Bligh was planning the 32nd annual conference. Dr. Bligh heads the Institute of Arctic Biology, the hosting group for the 32nd conference, to be held in Fairbanks, August 25-27, 1981. This conference will emphasize the biological sciences, but, as with other Alaska science conferences, all topics of northern science will be included.

AAAS Alaska Division President-elect Dr. Vera Alexander, Director of the Institute of Marine Science, will conduct the 1982 conference. This conference, the 33rd, also will take place in Fairbanks.

ACST Meeting

A meeting of the Alaska Council on Science and Technology will be held November 5 and 6, in the second floor display room of the Geophysical Institute, University of Alaska, at Fairbanks.

On November 5, at 2 p.m., the meeting will be open to the public. ACST will welcome input from the public concerning research needs and priorities in Alaska, and discussion concerning the feasibility of suggested projects or dissemination of information.

ACST invites individuals or organizations to contribute to a planned "Calendar of Events and Meetings" in the ACST newsletter.

ACST
Pouch AV
Juneau, Alaska 99811
(907) 465-3510

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Permit No. 92

Northern Technology Awards

Close to 600 proposals for the Northern Technology 1980 summer grants program were received by ACST. 250 state-wide technological experts assisted the council in evaluating the proposals.

Final grant designations were made by the 15-person Northern Technology Review Committee at Chena Hot Springs in mid-August. Proposals were assessed in terms of innovativeness of approach; potential benefit to Alaska or some segment of its population; basis of concept upon sound scientific principles; approach to use of funds and other criteria.

44 grants, ranging from \$200 to \$5000 were awarded for a total of \$133,000.

Name	Proposal	Amount
Alakanuk City Council Alakanuk	Wind powered generator - for remote villages.	\$4000
Alaska Alternative Energy Resources Center Anchorage	Solar space heater - workshops to be conducted	\$1500
Don Bailey Anchor Point	Furnace conversion - from oil to wood	\$400
Norman Bair Dillingham	Treatment unit - to help establish state disposal regulations	\$1100
Thomas Berson Chugiak	Fuel cell made from scrap metal	\$800
Jim Cunningham Anchorage	Window insulation - vocational school project	\$200
Bill Hall Eagle River	Dog, water, or wind powered washing machine.	\$400
K. Quinn Hart Eagle River	Greenhouse - soil thermal mass storage/waste heat recovery - workshop upon completion	\$2200
Steve Hicks Glennallen	Wind generator to be constructed from junk parts	\$1600
Marnie & John Isaacs Anchorage	Waterproofing for earth shelter house	\$3300
Ed Knoebel Glenallen	Greenhouse using excess domestic warm water from home heating system	\$4100
Alex Matheson Anchorage	Rear axle steering device for truck trailers	\$5000
John Phillips Anchorage	Recycling aluminum scrap into ingots for easy shipping	\$700
Radio Communications Inc Anchorage	Generator - solar/wind to power 25 Watt 12 V D.C. load	\$5000
Robert Reinhardt Aniak	Solar heat house - also used as fruit drying house, greenhouse and clothes drying area	\$5000
Alfred Doner Wasilla	Boiler system - design heat storage tank with solar assist. Add wood burning boiler in series with oil/gas boiler	\$1800
Bruce Forster Homer	Solar wood drying kiln - to use local wood rather than importations	\$3000
William Hightower Moose Pass	Wind generator using auto electrical parts to light outbuilding	\$2600
Edward Johnson Soldotna	Digester - methane gas producing for disposal and energy	\$5000
Cecil Jones Homer	Improved willow rake - remove willow and alder roots with little disturbance to top soil	\$3000
Karen Lee Homer	Fruit/Nut Tree cultivation - to grow fruits and nuts in remote areas	\$1000
Charles Posson Palmer	Permafrost excavation - a prefabricated method - will eliminate major portion of environmental damage - save gas and oil	\$5000
Ricardo Quintoz Valdez	Hybrid electric car - modify gas powered engine compatible to Alaskan weather	\$2300
Elizaveta Shadura Kenai	Flood hydro feed system - use of nutrient film technique	\$5000
Steven Smiley Homer	Solar home plans - to design standard plans that will meet FHA approvals	\$1700
Alaska Federation Community Self Reliance Fairbanks	Greenhouse shutters - rolled down quilt type at community garden project - demonstration project	\$1000
Philip Albert Ruby	Subterranean outbuildings - for chickens, goats, etc., greenhouse on surface	\$4800
Joseph Balch Fairbanks	Solar thawing of permafrost - thermal tube method with heat packet at base of tube	\$5000
Axel Carlson Fairbanks	Effective U-Value measurements - computer program to be developed to convert air tabulate data as U-Values.	\$5000

Bobby Cloyd Fairbanks	Arctic home construction techniques at Hutchinson Career Center - results to be monitored.	\$3400
Michael Crawford Fairbanks	Solar greenhouse - at Two Rivers Grange - used by community, 4-H.	\$4800
John Dillon & Mary Moorman College	Home energy system - build and demonstrate hybrid solar, wood and coal energy system.	\$5000
Chris Lamb Nome	Methane generator - utilizing honey buckets with two-stage generator.	\$400
Ed McGrath Fairbanks	Automated thermal shutters - R value of 18.	\$2400
Robert McHattie & Richard Jurick Fairbanks	Subsurface exploration - to be developed with an electro-magnetic solid conductivity instrument.	\$5000
Carl Pelz Petersburg	Generating system - using Pelton wheel.	\$5000
James Raymond Fairbanks	Data recording instrument - will build for recording environmental data in remote regions.	\$1100
Richard Seifert & Gary Newman Fairbanks	Solar energy heating system - two systems to be monitored and compared.	\$5000
Charles Simmons College	Solar wood drying kiln - to utilize local wood rather than importations.	\$2000
Leslie Viereck Fairbanks	Water heating - a combination of wood stove and solar panels.	\$2000
Ole Wik Savoonga	Fish drying process - vacuum chamber powered by existing wind electric system.	\$5000
Ronald Klein Juneau	Steam plant for small boat - modify commercially made steam boiler and engine.	\$5000
David Molvik Narrows Broadcasting Corp. Petersburg	1 Watt translator - for operation of radio broadcast transmission equipment.	\$5000
Jay Moor Juneau	Home energy conservation system - coordinated by means of small computer or operated manually when power fails. To be demonstrated.	\$4800

Energy Center

The multi-million dollar Energy Research and Development Center, to be headquartered in Fairbanks, is aimed at helping to solve the nation's energy crisis.

The Center will sub-contract for research and will seek the best uses of existing resources while developing alternative energy and renewable resources. One of the center's chief purposes will be to help solve the long-term energy needs of the United States, partially through development of Alaska's huge coal and petroleum reserves.

Rep. Brian Rogers, D-Fairbanks, one of the chief proponents of the legislation for the Center, said it would bring about more efficient and advanced energy technologies, would create jobs and would show the federal government that Alaska is committed to helping solve the nation's energy problems.

\$6 million in funding for the center's first year of operation was also approved by the Governor. The goal is to make the non-profit Center self-supporting through private and federal grants, plus money from patents on new technologies developed. This plan was questioned by several scientists at the recent Science Conference in Anchorage. They argued that the term 'self-supporting' could be used at a later date to legitimately cut off funding to the center, should the 'self-supporting' plan fail.

Through modification of its enabling legislation, the ACST will assist the center's board of directors in various areas. One of these includes recommending projects which should be coordinated or supported by the Alaska Energy Center. ACST Chairman Neil Davis and Executive director Chris Noah met with the Center's board of directors in October.

Earlier this year, energy studies by ACST recommended a number of research projects based on Alaska's natural resources. These natural resources include coal, oil and gas, hydropower, geothermal, windpower and solar energy.

Research Grants

Grants totalling \$300,000 will be allocated by ACST for research on Alaskan natural hazards, domestic violence and one or more categories to be named at an early date, it was announced by Neil Davis, ACST chairman.

\$150,000 will be awarded in one or more grants to support natural hazards research. \$50,000 will be used to develop approaches for prevention of domestic violence. Davis explained that the council is studying priority research needs in Alaska and expects to name the remaining grant proposal categories before the end of this year.

Proposals will be selected for award on the basis of the research design, the capability of the individual or organization submitting the proposal to perform the suggested research, and the apparent potential value of the research to Alaska. December 1, 1980 is the deadline for submitting proposals.

For further information, please write:

**Christopher Noah, Executive Director
Alaska Council on Science and Technology
Pouch AV
Juneau, Alaska 99811**

Report Updates

The following reports are the results of workshops conducted by the Alaska Council on Science and Technology and are available at the ACST office in Juneau.

Report contents include: executive summary, background and status of current research on the subject matter, major issues in research, analysis and discussion, priorities and recommendations, and contributors to the report.

Alaska Seismology **Alaska Agriculture and Animal Husbandry**
Alaska Energy **Husbandry**
Alaska Minerals **Alaska Natural Hazards**
Alaska Health and Human Life

A report on Scientific and Technological Research Needs in Alaska from a joint meeting between the Alaska Council on Science and Technology and the Polar Research Board, including public comments is also available at the ACST office (limited copies).

Newsletter mailing list

ACST is working on updating its present mailing list. If you are receiving duplicate copies of the newsletter, or have changed your address, please notify the ACST office in Juneau. Or, if you have names of individuals or organizations who would be interested in receiving a copy of the newsletter - please let us know.

TV Special

"Grassroots Energy" TV special is a collaborative effort between KAKM and AEIDC, with support from the State of Alaska to document the ACST Northern Technology Grants Program.

Producer Carroll Hodge and cameraman/engineer Bob Jenkins are joined "on the road" with narrator Doug McConnell of the Arctic Environmental Information and Data Center. They visit and film grant recipients from Kasilo on the Kenai Peninsula, through Copper Center to Fairbanks and Chena Hot Springs.

It's an excellent half hour of TV viewing and shows the innovativeness of Alaskans at work. "Grassroots Energy" was aired in Anchorage early in October. Program scheduling for other parts of the state will be announced. Also, there will be an extra videotape available for loan from the ACST office in Juneau.

Science Conference

At the 31st annual Alaska Science Conference, held in Anchorage September 17th through 19th, Alaskan scientists expressed fears that Alaska will be a target for federal cutbacks, which will include scientific research.

Neil Davis, ACST chairman, pointed out that America is already losing its competitiveness in the field of Arctic research and that the only real polar research is being done in the Antarctic.

The problems facing Alaskan research are the closing of federal facilities in Alaska, a slow-down in research funding to the University of Alaska and a breakdown in communication amongst federal agencies concerning responsibilities and interest.

The following letter from Senator Ted Stevens is of interest for it states that the U.S. Senate will earmark \$900,000 for cold weather research this coming year.

Dear Neil:

Thank you for providing me with a copy of your recent letter to Dr. Frank Press, Director of the Office of Science and Technology, about the need to develop a federal commitment to coordinated research in the arctic and subarctic regions. This is an issue that I have addressed while in the U.S. Senate.

For a number of years I fought the Environmental Protection Agency to keep an arctic research laboratory in Fairbanks. This year, the U.S. Senate will earmark \$900,000 for cold weather research in the EPA FY 1981 budget, most of which will be conducted in Alaska.

The Federal Government has been lax in its commitment to scientific research in the part of the world that could provide vast research possibilities. An attempt at a coordinated policy between the Federal, State, and private sectors is a step in the right direction.

On your behalf, I have contacted Dr. Press to request that he look into your concerns and provide me with his comments. In addition, I have asked that he provide me with a copy of his response to your letter.

With best wishes,

Cordially,

(signed) Ted Stevens
United States Senator

Alaska Council on Science and Technology

The Science and Technology Act of 1978 was the first step in political recognition of the importance of the role of science and technology in public policy and decision making. The act gave a statutory framework for the creation of the Alaska Council on Science and Technology. The Council's aim is to guide research activities in support of state objectives and to ensure the efficient transfer of resulting data and information.

Robert D. Burkett
Department of Fish & Game

T. Neil Davis (ACST Chairman)
Geophysical Institute
University of Alaska

Mim Dixon
Private Anthropological Consultant

David Hickok, Director
Arctic Environmental Information & Data Center
University of Alaska

Jay Hogan, Director
Division of Legislative Finance

Ernst Mueller, Commissioner
Department of Environmental Conservation

Richard Straty (ACST Vice Chairman)
Director, Marine Investigations
Auke Bay Fisheries Laboratory
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