

Leg. Finance - Finance Comte Files (1971-72) 8879

HB 352 cont., 356, 362, 365, 370

74

The Legislature of the State of Alaska  
 FISCAL NOTE  
 Second Session - Sixth State Legislature

I. REQUEST

Bill Identification: House Bill 352 State Active Duty Pay  
 Title: State Active Duty Pay - National Guard  
 Requested by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Return Date Requested: \_\_\_\_\_  
 Agency: \_\_\_\_\_ Program: \_\_\_\_\_

II. FISCAL DETAIL

Budget Request Unit(s) affected: \_\_\_\_\_  
 A. EXPENDITURES: (Thousands of dollars)

OBJECT	FY 72	FY 73	FY 74	FY 75	FY 76	FY 77
100 PERSONAL SERVICES						
200 TRAVEL						
300 CONTRACTUAL						
400 COMMODITIES						
500 EQUIPMENT						
600 LAND & STRUCTURES						
700 GRANTS, CLAIMS, ETC.						
TOTAL						

B. FUNDING: (Thousands of dollars)

	FY 72	FY 73	FY 74	FY 75	FY 76	FY 77
GENERAL FUNDS						
FEDERAL FUNDS						
OTHER						

C. POSITIONS:

PERMANENT/TEMPORARY	FY 72	FY 73	FY 74	FY 75	FY 76	FY 77
MAN MONTHS (P.T.T.)	/	/	/	/	/	/

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

Current statutes (As26.05.260) provides for State Active Duty Pay equal to those provided by Federal Active Duty Pay scales but not less than \$6 per day. HB352 adds The Alaska Naval Militia as eligibles and provides for a minimum payment of \$25/day. Cost analysis depends on frequency of emergency or natural disaster call ups by the Governor and severity of situation dictating the number of units and men called up. Approximately 20% of unit members already receive over \$25/day by The Federal pay scale. The remaining 80% would have a varying increase in pay while on State Active Duty dependent pay grade.

IV. ATTACHMENTS

Sample of cost analysis - Alaska Airlines crash call up  
 Kodiak prisoner escape call up

V. DATE: 19 January 1972 PREPARED BY: RAYMOND H. HOLMSEN JR.  
 MAJ, INF - Alas ARNG  
 Director, Recruiting & Retention Div.

Original: Legislative Finance  
 cc: Budget and Measurement  
 Prime Sponsor (Xmas Legislator Named)

Sample cost projections

1. ALASKA AIRLINE CRASH DISASTER call up

53 men activated for 3 days (3 men paid over \$25.00/day)

Actual pay & allowance cost under present provisions \$2,390.00

Projected cost of pay & allowances

under provisions of HB 352 = \$3,750.00

Actual increased cost = \$1,360  
of HB 352

2. KODIAK PRISONER ESCAPE CALLOUT

9 men activated for 2 days (men paid over \$25.00/day)

Actual pay & allowance cost under present provisions \$264.00

Projected cost of pay & allowances under provisions of HB 352 \$450.00

Actual increased cost of HB 352 \$186.00

Handwritten calculation:  
 $3 \times 3 \times 30 = 270$   
 $2390 - 270 = 2120$   
 $2120 + 150 = 2270$   
 $2270 - 15 = 2255$

V. DATE: 19 January 1972

PREPARED BY:

RAYMOND H. HOLMSEN JR.

MAJ, INF - Alas ARNG

Director, Recruiting & Retention Div.

Original: Legislative Finance  
 cc: Budget and Management  
 Prime Sponsor (Please Legislator Named)

The Legislature of the State of Alaska  
FISCAL NOTE

COPIES:  THE CHAIRMAN OF THE COMMITTEE MAKING THE REQUEST  
 THE HOUSE FINANCE COMMITTEE STAFF  
 THE SENATE FINANCE COMMITTEE STAFF  
 THE DIVISION OF BUDGET & MANAGEMENT  
 RETAIN A COPY FOR YOUR FILES

Subject State Active Duty Pay HB 352 SB \_\_\_\_\_  
 requested by \_\_\_\_\_  
 referred to \_\_\_\_\_ date of request \_\_\_\_\_  
 completion date requested \_\_\_\_\_ date received \_\_\_\_\_

EXPENDITURE DETAIL	FY	FY	FY
100 PERSONAL SERVICES	\$	\$	\$
200 TRAVEL			
300 CONTRACTUAL SERVICES			
400 COMMODITIES			
500 EQUIPMENT			
600 LAND AND STRUCTURES			
700 GRANTS, CLAIMS & SHARED REVENUE			

TOTAL	\$	\$	\$
-------	----	----	----

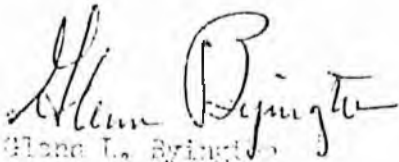
FUNDING DETAIL	FY	FY	FY
FEDERAL RECEIPTS	\$	\$	\$
SPECIAL FUNDS			
UNRESTRICTED GENERAL FUND RECEIPTS			

Man Months  
 Permanent Positions  
 Temporary Positions

FISCAL ANALYSIS Present Statute authorizes rate of payment at individual's federal pay grade or \$6.00 whichever is greater. The bill will increase cost by \$30/man day. There is no specific impact at this time from this bill. Experience concerning guardsmen ordered to State Active Duty in the past three years are listed below:

1968	None
1969 - 50 man days	\$1,500
1970 - 35 man days	\$1,050

DATE 7 April 1971

SIGNATURE   
 NAME & TITLE Glenn L. Byington  
Director, Facilities & Fiscal Division  
Department of Military Affairs

STATE OF ALASKA  
DEPARTMENT OF MILITARY AFFAIRS  
Office of the Adjutant General  
Anchorage, Alaska 99501

SPECIAL ORDERS  
NUMBER 223  
EXTRACT

15 December 1971

13. TC 165. By direction of the Secretary of the Army the following named individual is ordered to ACTIVE DUTY FOR TRAINING (ADT) with his consent for the period indicated plus allowable travel time. Upon completion of the period of ADT unless sooner relieved or extended by proper authority individual will return to the place where he entered ADT. Travel of dependents and shipment of permanent change of station weight allowance is NOT authorized. Shipment of temporary change of station weight allowance is authorized.

KASSOCK, PAUL 574-22-3557 PVI Co F 2d Sct Bn 297th Inf Emmonak Ak 99581 (WP54F0G)

Permanent address: Gen Dlvr Emmonak AK 99581

Basic pay entry date: 12 Jan 72

UISOK, JOE JR. 574-22-8902 PVI Co F 2d Sct Bn 297th Inf Emmonak Ak 99581 (WP54F0G)

Permanent address: Gen Dlvr Emmonak AK 99581

Basic pay entry date: 12 Jan 72

ADMINISTRATIVE ACCOUNTING DATA

Authority: AR 135-200, AR 600-20, Title 10 USC Subsection 672(d); 3d Ind, NGB dtd 20 Feb 68 to subj ltr, OTAG AK, Subj: Phys Exam for Members of the Alaska Sct Bns, dtd 7 Nov 67

Component: Army National Guard

Accounting classification: Tvl & ex bag 2122060 18-23 P3124-21,22 S99-999

Indiv cio 2122060 18-1095 P3112-26 S95-514

*Federal Fund*

FOR THE INDIVIDUAL

Period: 21 weeks or upon completion of MOS tng, but not less than 120 days

Attached to: USA Reception Station USATC Ft Ord CA

Reporting date: Not later than 2400 hours 24 Jan 72

USATC, Ft Ord CA

Begin Basic Combat Training: 7 Feb 72

USATC, Ft Ord CA

Begin CD Training: 3 Apr 72

USATC, Ft Ord CA

Begin AIT in MOS 11B1 10 Apr 72

USARAL Transfer Point (1700) Ft Richardson AK 98749

(Process upon completion of ADT)

*71*

*Koculik*

*Air Crash*

SO 223  
Paragraph 13 (cont)

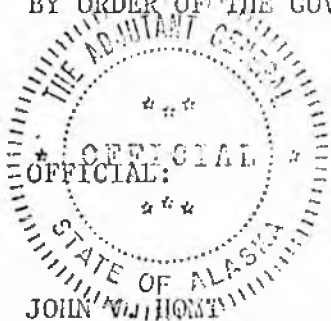
OTAG, ALASKA

15 December 1971

Travel data: Travel by public carrier (land, sea or air) is directed  
Special instructions: Individual is ORDERED TO ACTIVE DUTY FOR TRAINING (ADT) with consent of the Governor (or other appropriate authority of the State) plus any allowable time necessary for travel. Individual will proceed from home station to the organization and station to which attached in sufficient time to report for duty at the reporting time and date directed. Effective date of duty and date of rank will be determined as required at individual's duty station under provisions of AR 135-200 and AR 600-20. Use of transportation requests and meal tickets will be issued as directed (JTR). Weapon will not be transported incident to travel

Special information: Travel in civilian attire is authorized. Security clearance: NA. Unit command will insure fol distr for individual pers records: 20 in FDRF; 10 in MPRJ (201 file) marked BCT STATION: 10 in MPRJ marked AIT STATION; 5 for home station use. Leave as auth per para 2-3a AR 630-5 will NOT be granted per VONCE

BY ORDER OF THE GOVERNOR:



JOHN W. HONEY  
MAJ, IN-AK ARNG  
Director, Army Admin Div

WILLIAM S. ELMORE  
Maj Gen, AK ANG  
The Adjutant General

DISTRIBUTION:

A  
10-Indiv Indic  
90-CO, 2d Sct Bn  
10-USPFO for AK  
2-SAA  
2-CO, USARECSTA Ft Ord CA  
2-ARNG Liaison Officer Ft Ord CA  
2-Chief, OPO, ATTN: EPRDT HQ DA Wash DC  
2-Chief, NGB, ATTN: REP Coordinator  
2-USARAL Trf Pt Ft Richardson AK

adjutant general, an armory may be used for any reasonable and legitimate civilian activity so long as the activity does not interfere with its use for military purposes. Proceeds received as rental or otherwise at an armory from nonmilitary use shall be deposited in the state general fund.

(c) The adjutant general shall administer all target ranges belonging to or leased by the state for National Guard purposes. Gallery ranges may be maintained at all armories occupied by state troops and every command shall be given suitable instruction in marksmanship under direction of its commander, and regulations as authorized by the adjutant general. (§ 25 ch 150 SLA 1955; am § 1 ch 101 SLA 1966)

Effect of amendment. — The 1965 amendment substituted "through state and federal appropriations or both" for "out of the state military fund" at the end of the first sentence of subsection (a), substituted "armory board which" for "commanding of-

ficer who" in the first sentence of subsection (b), substituted "general fund" for "military fund" at the end of the fourth sentence of such subsection, and added "for National Guard purposes" at the end of the first sentence of subsection (c).

Sec. 26.05.240. Enlisted men. Any able-bodied man of good character who is a citizen of the United States or has declared his intention of becoming a citizen is eligible for enlistment in the National Guard at such ages and for such periods of time as are prescribed in federal or state regulations in effect at time of enlistment. (§ 26 ch 150 SLA 1955)

Am. Jur., ALR and C.J.S. references.—36 Am. Jur., Military, §§ 20 to 36.

Enlistment or mustering of minors, 137 ALR 1477; 147 ALR 1311; 151 ALR 1455; 153 ALR 1420; 155 ALR 1451; 157 ALR 1449.

Validity of governmental requirements of oath of allegiance or loyalty as applied to militiamen, 18 ALR2d 328.

57 C.J.S. Militia § 12 et seq.

Sec. 26.05.250. Discharges. An enlisted man who is discharged from service in the organized militia of the state shall receive a notice of discharge in writing in the form and classification prescribed by state law or regulations. In time of peace or when there is no declaration of national emergency, a discharge may be given before the expiration of terms of enlistment under regulations prescribed by competent authority. (§ 27 ch 150 SLA 1955)

CSHB 352 Sec. 26.05.260. Pay and allowances. (a) The adjutant general is charged with all disbursements of pay and allowances for service of the troops.

(b) Commissioned and warrant officers for state services actually performed are entitled to receive pay and allowances equal to those provided by federal laws and regulations for commissioned and warrant officers of the same grades of the United States Army or Air Force.

(c) Enlisted men of the Army National Guard and Air National

STAFF COPY

Guard shall receive for each day of active service for the state, under orders of the governor, pay and allowances equal to those provided by federal laws and regulations for enlisted men of like grades of the United States Army and United States Air Force. However, no enlisted man shall receive pay and allowances of less than \$6 a day.

(d) An officer or enlisted man of the National Guard who, while on active duty for the state and lawfully performing his duties, is wounded or disabled in any way, so as to prevent his working at his profession, trade, or other occupation from which he gains his living, is entitled to be treated by an officer of the medical department detailed by the state surgeon general. If that medical officer is not available, he is entitled to be treated by a licensed civilian physician, and on the certificate of the attending medical officer or physician to draw one-half of his active service pay, as specified in (b) and (c) of this section, for not to exceed 30 days of the disability. If still disabled at the end of 30 days, he is entitled to draw pay at the same rate for the period as a board of three medical officers or civilian physicians convened by order of the commander in chief determines to be right and just, but not to exceed six months.

(e) If an officer or enlisted man of the National Guard suffers permanent total disability or death while performing his duty as an officer or enlisted man under orders from the commander in chief, the officer or enlisted man, or his heirs or dependents, have a claim against the state for financial help or assistance, on such terms and in such amount, not exceeding \$7,500, as is determined to be right and just by a board of three medical officers or three civilian physicians. The commander in chief shall, by order, convene the board for this purpose.

(f) Officers of the medical department and civilian physicians who attend cases of injury or illness incurred in the line of duty under (d) of this section are entitled to reasonable compensation in each case as the circumstances warrant, as approved by the adjutant general.

(g) Necessary charges incurred in cases stated in this section shall be paid from the state general fund by appropriate vouchers. (§ 28 ch 150 SLA 1955; am § 1 ch 96 SLA 1964; am § 2 ch 19 SLA 1968)

Effect of amendments.—The 1964 amendment rewrote subsection (c).

Cited in *State v. Worden*, 7 Alas. L.J. No. 9, p. 611 (Sept., 1969).

The 1968 amendment substituted "general fund" for "military fund" in subsection (g).

Sec. 26.05.265. Reenlistment bonus. After the initial voluntary enlistment for the period of service in the Alaska National Guard which fulfills the mandatory requirement for military service under the Military Selective Service Act of 1967 (PL 90-10; 81

Introduced: 3/25/71  
Referred: State Affairs and  
Finance

1 IN THE HOUSE

BY MOORE, DEGNAN AND HOHMAN

2 HOUSE BILL NO. 352

3 IN THE LEGISLATURE OF THE STATE OF ALASKA

4 SEVENTH LEGISLATURE - FIRST SESSION

5 A BILL

6 For an Act entitled: "An Act relating to the pay and allowances of members  
7 of the Alaska National Guard; and providing for an  
8 effective date."

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

10 \* Section 1. AS 26.05.260(b) is repealed.

11 \* Sec. 2. AS 26.05.260(c) is amended to read:

12 (c) Members, including commissioned and warrant officers and  
13 enlisted [ENLISTED] men of the Army National Guard and Air National  
14 Guard shall receive for each day of active service for the state,  
15 under orders of the governor, pay and allowances equal to those  
16 provided by federal laws and regulations for members [ENLISTED MEN]  
17 of like grades of the United States Army and United States Air Force,  
18 plus the maximum per diem allowance provided under AS 39.20.110.  
19 Allowances shall be computed as if quarters and meals are not  
20 available. [HOWEVER, NO ENLISTED MAN SHALL RECEIVE PAY AND  
21 ALLOWANCES OF LESS THAN \$6 A DAY.]

22 \* Sec. 3. AS 43.20.020(a)(1) is amended to read:

23 (1) service pay of members of the armed forces of the  
24 United States or auxiliary branches of the armed forces, or pay and  
25 allowances of a member of the Alaska National Guard earned while on  
26 active duty for the state under orders of the governor; and

27 \* Sec. 4. This Act takes effect July 1, 1971.  
28  
29



# RECORDS CERTIFICATION



I, the undersigned, an employee of the State of Alaska, do hereby certify that the microfilm images on this microform are accurate reproductions of the original records of the State of Alaska as accumulated during the regular course of business, and that it is the established policy and practice of this State to microfilm its records and to dispose of the original records after microfilm reproductions have been made.

James D. Smith  
Signature of Camera Operator

4/4/89  
Date

Introduced: 3/26/71  
Referred: Health, Welfare &  
Education and Finance

BY HOLM, CHANCE, COLLETTA,  
FARRELL AND SPECKING

1 IN THE HOUSE

2 HOUSE BILL NO. 356

3 IN THE LEGISLATURE OF THE STATE OF ALASKA

4 SEVENTH LEGISLATURE - FIRST SESSION

5 A BILL

6 For an Act entitled: "An Act appropriating to the Department of Education;  
7 and providing for an effective date."

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

9 \* Section 1. The sum of \$3,000 is appropriated from the general fund to  
10 the Department of Education, division of libraries, for the purpose of  
11 carrying out a pilot project of indexing United States governmental and  
12 other publications on Alaska as a first step to developing into usable form  
13 various Alaska materials and for the purpose of updating A Bibliography of  
14 Alaskan Literature by Judge James Wickersham.

15 \* Sec. 2. This Act takes effect on July 1, 1971.  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29

COMMITTEE COPY

POOR COPY

# ALASKA STATE LEGISLATURE

SEVENTH Legislature FIRST Session

HOUSE BILL NO. 356

By HOLM, CHANCE, COLLETTA,  
PARRELL AND SPECKING

"An Act appropriating to the Department of Education; and providing for an effective date."

Dept Education, appro/ libraries

Introduced in the House 3/26/ 19 71

# HISTORY IN THE HOUSE

19 71

Mar 26

Read first time and referred to Committee on

HW&E and Finance

Reported back with recommendation that

Read second time and

Read third time and

PASS      Yeas  
            : Nays  
            : Absent  
            : Excused

Effective Date

PASS      Yeas  
            : Nays  
            : Absent  
            : Excused

Reported correctly engrossed

Signed by Speaker

Sent to Senate

## HISTORY IN THE SENATE

19

Read first time and referred  
to Committee on

Reported back with  
recommendation that

Read second time and

Read third time and

PASS : Yeas  
Nays  
Absent  
Excused

Effective Date

PASS : Yeas  
Nays  
Absent  
Excused

Reported correctly engrossed

Signed by President

Returned to House

SECRETARY OF THE SENATE

## HISTORY IN THE HOUSE

19

Received from Senate

Reported correctly enrolled

Sent to Governor

..... By Governor

Filed with Secy. State

Character No. ....

"An Act appropriating to the Department of Education; and providing for an effective date."

### Committee Report

HOUSE OF REPRESENTATIVES

4-17-71

\_\_\_\_\_ Date

Mr. Speaker:

The Committee on FINANCE has had HB 356 under consideration. A majority of the members of the Committee

- recommends it do pass
- recommends it do not pass
- recommends it do pass with attached amendment(s)
- recommends it be replaced with CS for \_\_\_\_\_ and that CS for \_\_\_\_\_ do pass
- (and) recommends it be referred to the \_\_\_\_\_ committee
- reports it back without recommendation
- (other) \_\_\_\_\_

**MEMBERS SIGNING THE MAJORITY REPORT:**

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

**MEMBERS NOT CONCURRING IN THE MAJORITY REPORT:**

_____	recommends:
_____	recommends:
_____	recommends:
_____	recommends:
_____	recommends:

\_\_\_\_\_ CHAIRMAN

### Committee Report

HOUSE OF REPRESENTATIVES

FINANCE

3/26/71

April 9, 71 Date

Mr. Speaker:

The Committee on HEALTH, WELFARE & EDUCATION has had HB 356 under consideration. A majority of the members of the Committee

- recommends it do pass
- recommends it do not pass
- recommends it do pass with attached amendment(s)
- recommends it be replaced with CS for \_\_\_\_\_ and that CS for \_\_\_\_\_ do pass
- (and) recommends it be referred to the \_\_\_\_\_ committee
- reports it back without recommendation
- (other) \_\_\_\_\_

MEMBERS SIGNING THE MAJORITY REPORT:

Gene Chance \_\_\_\_\_  
Scott Spalding \_\_\_\_\_  
Mike Coletta \_\_\_\_\_  
Martin B. Moran \_\_\_\_\_

MEMBERS NOT CONCURRING IN THE MAJORITY REPORT:

- \_\_\_\_\_ recommends:
- \_\_\_\_\_ recommends:
- \_\_\_\_\_ recommends:
- \_\_\_\_\_ recommends:
- \_\_\_\_\_ recommends:

Gene Chance  
CHAIRMAN

Introduced: 3/26/71  
Referred: Health, Welfare &  
Education and Finance

BY HOLM, CHANCE, COLLETTA,  
FARRELL AND SPECKING

1 IN THE HOUSE

2 HOUSE BILL NO. 356

3 IN THE LEGISLATURE OF THE STATE OF ALASKA

4 SEVENTH LEGISLATURE - FIRST SESSION

5 A BILL

6 For an Act entitled: "An Act appropriating to the Department of Education;  
7 and providing for an effective date."

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

9 \* Section 1. The sum of \$3,000 is appropriated from the general fund to  
10 the Department of Education, division of libraries, for the purpose of  
11 carrying out a pilot project of indexing United States governmental and  
12 other publications on Alaska as a first step to developing into usable form  
13 various Alaska materials and for the purpose of updating A Bibliography of  
14 Alaskan Literature by Judge James Wickersham.

15 \* Sec. 2. This Act takes effect on July 1, 1971.  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29



# RECORDS CERTIFICATION



I, the undersigned, an employee of the State of Alaska, do hereby certify that the microfilm images on this microform are accurate reproductions of the original records of the State of Alaska as accumulated during the regular course of business, and that it is the established policy and practice of this State to microfilm its records and to dispose of the original records after microfilm reproductions have been made.

James D. Smith  
Signature of Camera Operator

4/4/89  
Date

Original sponsor: Huber

Offered: 4/14/71  
Referred: Finance

1 IN THE HOUSE

BY THE STATE AFFAIRS COMMITTEE

2 CS FOR HOUSE BILL NO. 362

3 IN THE LEGISLATURE OF THE STATE OF ALASKA

4 SEVENTH LEGISLATURE - FIRST SESSION

5 A BILL

6 For an Act entitled: "An Act appropriating to the Office of the Governor;  
7 and providing for an effective date."

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

9 \* Section 1. The sum of \$500,000 is appropriated from the general fund  
10 to the Office of the Governor for the purpose of developing and carrying  
11 out a public relations program, through the utilization of mass media, or  
12 otherwise, in the continental United States concerning all facets of the  
13 proposed North Slope development, which program shall include but not be  
14 limited to information concerning Alaska's need for resource development,  
15 environmental considerations surrounding Alaska's growth, the state's plans  
16 and programs to prevent environmental degradation, and other factual infor-  
17 mation about Alaska pertinent to the issues of the times.

18 \* Sec. 2. This Act takes effect on the day after its passage and approv-  
19 al or on the day it becomes law without approval.  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29

Introduced: 3/26/71  
Referred: State Affairs and  
Finance

1 IN THE HOUSE

BY HUBER

2 HOUSE BILL NO. 362

3 IN THE LEGISLATURE OF THE STATE OF ALASKA

4 SEVENTH LEGISLATURE - FIRST SESSION

5 A BILL

6 For an Act entitled: "An Act appropriating to the Office of the Governor;  
7 and providing for an effective date."

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

9 \* Section 1. The sum of \$1,000,000 is appropriated from the general  
10 fund to the Office of the Governor for the purpose of developing and carrying  
11 out a public relations program, through the utilization of mass media, or  
12 otherwise, in the continental United States concerning all facets of the  
13 proposed North Slope pipeline, which program shall include but not be  
14 limited to information concerning Alaska's need for the pipeline, environ-  
15 mental considerations surrounding the pipeline, the state's plans and  
16 programs to prevent environmental degradation, and other factual information  
17 about Alaska and Alaskans pertinent to the issue.

18 \* Sec. 2. This Act takes effect on the day after its passage and approval  
19 or on the day it becomes law without approval.

**POOR COPY**

# ALASKA STATE LEGISLATURE

SEVENTH Legislature FIRST Session

HOUSE BILL NO. 362

By HUBER

"An Act appropriating to the Office of the Governor, and providing for an effective date."

Pipeline/pub. relations program

Introduced in the House 3/26/ 19 71

# HISTORY IN THE HOUSE

19 71

Mar 26

Read first time and referred to Committee on

State Affairs and Finance

Reported back with recommendation that

Read second time and

Read third time and

PASS : Yeas  
Nays  
Absent  
Excused

Effective Date

PASS : Yeas  
Nays  
Absent  
Excused

Reported correctly engrossed  
Signed by Speaker  
Sent to Senate

## HISTORY IN THE SENATE

19

Read first time and referred  
to Committee on

Reported back with  
recommendation that

Read second time and

Read third time and

PASS      Yeas  
            : Nays  
            : Absent  
            : Excused

Effective Date

PAS.      Yeas  
            : Nays  
            : Absent  
            : Excused

Reported correctly engrossed  
Signed by President  
Returned to House

SECRETARY OF THE SENATE

## HISTORY IN THE HOUSE

19

Received from Senate

Reported correctly enrolled

Sent to Governor

..... By Governor

Filed with Secy. State

Chapter No. ....

"An Act appropriating to the Office of the Governor; and providing for an effective date."

### Committee Report

HOUSE OF REPRESENTATIVES

4/14/71

\_\_\_\_\_ Date

Mr. Speaker:

The Committee on FINANCE has had HB 362 under consideration. A majority of the members of the Committee

recommends it do pass

recommends it do not pass

recommends it do pass with attached amendment(s)

recommends it be replaced with CS for \_\_\_\_\_ and that CS for \_\_\_\_\_ do pass

(and) recommends it be referred to the \_\_\_\_\_ committee

reports it back without recommendation

(other) \_\_\_\_\_

MEMBERS SIGNING THE MAJORITY REPORT:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

MEMBERS NOT CONCURRING IN THE MAJORITY REPORT:

\_\_\_\_\_ recommends:  
\_\_\_\_\_ recommends:  
\_\_\_\_\_ recommends:  
\_\_\_\_\_ recommends:  
\_\_\_\_\_ recommends:

\_\_\_\_\_ CHAIRMAN

"An Act appropriating to the Office of the Governor; and providing for an effective date."

### Committee Report

HOUSE OF REPRESENTATIVES FINANCE

3/26/71

April 12, 1971 Date

Mr. Speaker:

The Committee on STATE AFFAIRS has had HB 362

under consideration. A majority of the members of the Committee

recommends it do pass

recommends it do not pass

recommends it do pass with attached amendment(s) (some little)

recommends it be replaced with CS for HB 362 and that CS for B 362 do pass

(and) recommends it be referred to the \_\_\_\_\_ committee

reports it back without recommendation

(other) \_\_\_\_\_

MEMBERS SIGNING THE MAJORITY REPORT:

<u>Helen M. Fischer</u>	<u>John H. ...</u>	_____
<u>Edward ...</u>	<u>Joan ...</u>	_____
<u>...</u>		_____
<u>Jess ...</u>		_____

MEMBERS NOT CONCURRING IN THE MAJORITY REPORT:

<u>Frank ...</u>	recommends: <u>No Recommendation</u>
_____	recommends:
_____	recommends:
_____	recommends:
_____	recommends:

Helen M. Fischer  
CHAIRMAN

Introduced: 3/26/71  
Referred: State Affairs and  
Finance

1 IN THE HOUSE

BY HUBER

2 HOUSE BILL NO. 362

3 IN THE LEGISLATURE OF THE STATE OF ALASKA

4 SEVENTH LEGISLATURE - FIRST SESSION

5 A BILL

6 For an Act entitled: "An Act appropriating to the Office of the Governor;  
7 and providing for an effective date."

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

9 \* Section 1. The sum of \$1,000,000 is appropriated from the general  
10 fund to the Office of the Governor for the purpose of developing and carrying  
11 out a public relations program, through the utilization of mass media, or  
12 otherwise, in the continental United States concerning all facets of the  
13 proposed North Slope pipeline, which program shall include but not be  
14 limited to information concerning Alaska's need for the pipeline, environ-  
15 mental considerations surrounding the pipeline, the state's plans and  
16 programs to prevent environmental degradation, and other factual informatio.  
17 about Alaska and Alaskans pertinent to the issue.

18 \* Sec. 2. This Act takes effect on the day after its passage and appro-  
19 al or on the day it becomes law without approval.  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29

Original sponsor: Huber

Offered: 4/14/71  
Referred: Finance

1 IN THE HOUSE

BY THE STATE AFFAIRS COMMITTEE

2

CS FOR HOUSE BILL NO. 362

3

IN THE LEGISLATURE OF THE STATE OF ALASKA

4

SEVENTH LEGISLATURE - FIRST SESSION

5

A BILL

6

For an Act entitled: "An Act appropriating to the Office of the Governor;  
7 and providing for an effective date."

7

8

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

9

\* Section 1. The sum of \$500,000 is appropriated from the general fund  
10 to the Office of the Governor for the purpose of developing and carrying  
11 out a public relations program, through the utilization of mass media, or  
12 otherwise, in the continental United States concerning all facets of the  
13 proposed North Slope development, which program shall include but not be  
14 limited to information concerning Alaska's need for resource development,  
15 environmental considerations surrounding Alaska's growth, the state's plans  
16 and programs to prevent environmental degradation, and other factual infor-  
17 mation about Alaska pertinent to the issues of the times.

18

\* Sec. 2. This Act takes effect on the day after its passage and approv-  
19 al or on the day it becomes law without approval.

20

21

22

23

24

25

26

27

28

29



# RECORDS CERTIFICATION



I, the undersigned, an employee of the State of Alaska, do hereby certify that the microfilm images on this microform are accurate reproductions of the original records of the State of Alaska as accumulated during the regular course of business, and that it is the established policy and practice of this State to microfilm its records and to dispose of the original records after microfilm reproductions have been made.

James D. Smith  
Signature of Camera Operator

4/4/89  
Date

# Committee Report

HOUSE OF REPRESENTATIVES

\_\_\_\_\_ Date

Mr. Speaker:

The Committee on \_\_\_\_\_ has had HB 365 under consideration. A majority of the members of the Committee

- recommends it do pass
- recommends it do not pass
- recommends it do pass with attached amendment(s)
- recommends it be replaced with CS for \_\_\_\_\_ and that CS for \_\_\_\_\_ do pass
- (and) recommends it be referred to the \_\_\_\_\_ committee
- reports it back without recommendation
- (other) \_\_\_\_\_

### MEMBERS SIGNING THE MAJORITY REPORT:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### MEMBERS NOT CONCURRING IN THE MAJORITY REPORT:

\_\_\_\_\_ recommends:  
\_\_\_\_\_ recommends:  
\_\_\_\_\_ recommends:  
\_\_\_\_\_ recommends:  
\_\_\_\_\_ recommends:

\_\_\_\_\_  
CHAIRMAN

HOUSE JOURNAL

HOUSE FINANCE COMMITTEE REPORT ON

HOUSE BILL NO. 365

A.S. 37.25.010 provides that the unexpended balance of a one-year appropriation lapses on June 30 of the fiscal year for which the appropriation was made. This is the general statute that applies to virtually all state agency appropriations.

A.S. 14.17.225 (c) and (e) provides that appropriations for the public school foundation account and the average daily membership supplemental account do not lapse if funds authorized for specific purposes exceed the actual requirements; instead of lapsing these surplus funds must be distributed pro rata among the various school districts.

HOUSE BILL NO. 365 introduced by the Finance Committee would repeal A.S. 14.17.225 (c) and (e) thereby treating the two foundation accounts in a manner similar to the accounts of other state agencies.

(e) If appropriations to the average daily membership and amount of the public school foundation exceed in any fiscal year the amount required to carry out the provisions of § 215 of this chapter, the excess shall be credited to the public school foundation account and distributed pro rata among districts based upon the average daily membership of each district.

\*\*\*

(c) If appropriations to the public school foundation account exceed in any fiscal year the amount required to carry out the provisions of § 215 of this chapter, the excess shall be distributed pro rata among districts based upon the average daily membership of each district.

\*\*\*

See. 14.17.225. Construction and implementation of chapter.

\* Section 1. AS 14.17.225(c) and (e) are repealed.

BE IS ENLARGED BY THE LEGISLATURE OF THE STATE OF ALASKA:

Program.

For an act entitled: "An act relating to the public school foundation

Y 511

LEGISLATIVE COUNCIL - PUBLIC SESSION

IN THE LEGISLATURE OF THE STATE OF ALASKA

HOUSE BILL NO. 365

BY THE SENATE COMMISSION

DATE

Sec. 14.17.225. Construction and implementation of chapter.

\*\*\*

(c) If appropriations to the public school foundation account exceed in any fiscal year the amount required to carry out the provisions of § 10-190 of this chapter, the excess shall be distributed pro rata among districts based upon the average daily membership of each district.

\*\*\*

(e) If appropriations to the average daily membership supplemental account exceed in any fiscal year the amount required to carry out the provisions of § 215 of this chapter, the excess shall be credited to the public school foundation account and distributed pro rata among districts based upon the average daily membership of each district. (§ 8 ch 95 SLA 1969)

Introduced: 3/26/71  
Referred: Health, Welfare  
and Education

1 IN THE HOUSE

BY THE FINANCE COMMITTEE

2 HOUSE BILL NO. 365

3 IN THE LEGISLATURE OF THE STATE OF ALASKA

4 SEVENTH LEGISLATURE - FIRST SESSION

5 A BILL

6 For an Act entitled: "An Act relating to the public school foundation  
7 program."

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

9 \* Section 1. AS 14.17.225(c) and (e) are repealed.

10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29



# RECORDS CERTIFICATION

I, the undersigned, an employee of the State of Alaska, do hereby certify that the microfilm images on this microform are accurate reproductions of the original records of the State of Alaska as accumulated during the regular course of business, and that it is the established policy and practice of this State to microfilm its records and to dispose of the original records after microfilm reproductions have been made.

James D. Smith  
Signature of Camera Operator

4/4/89  
Date

# Committee Report

S E N A T E

\_\_\_\_\_ Date

Mr. President:

The Committee on \_\_\_\_\_ has had \_\_\_\_\_  
under consideration. A majority of the members of the Committee

- recommends it do pass
- recommends it do not pass
- recommends it do pass with attached amendment(s)
- recommends it be replaced with CS for \_\_\_\_\_ and that  
CS for \_\_\_\_\_ do pass
- (and) recommends it be referred to the \_\_\_\_\_  
committee
- reports it back without recommendation
- (other) \_\_\_\_\_

MEMBERS SIGNING THE MAJORITY REPORT:

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

MEMBERS NOT CONCURRING IN THE MAJORITY REPORT:

\_\_\_\_\_ recommends:  
\_\_\_\_\_ recommends:  
\_\_\_\_\_ recommends:  
\_\_\_\_\_ recommends:  
\_\_\_\_\_ recommends:

\_\_\_\_\_ CHAIRMAN

Introduced: 3/26/71  
Referred: Health, Welfare  
and Education

1 IN THE HOUSE

BY THE FINANCE COMMITTEE

2 HOUSE BILL NO. 365

3 IN THE LEGISLATURE OF THE STATE OF ALASKA

4 SEVENTH LEGISLATURE - FIRST SESSION

5 A BILL

6 For an Act entitled: "An Act relating to the public school foundation  
7 program."

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

9 \* Section 1. AS 14.17.225(c) and (e) are repealed.  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29



# RECORDS CERTIFICATION



I, the undersigned, an employee of the State of Alaska, do hereby certify that the microfilm images on this microform are accurate reproductions of the original records of the State of Alaska as accumulated during the regular course of business, and that it is the established policy and practice of this State to microfilm its records and to dispose of the original records after microfilm reproductions have been made.

James D. Smith  
Signature of Camera Operator

4/4/89  
Date

# Committee Report

HOUSE OF REPRESENTATIVES

11/1/72

\_\_\_\_\_ Date

Mr. Speaker:

The Committee on FINANCE has had 11/3/72

under consideration. A majority of the members of the Committee

recommends it do pass

recommends it do not pass

recommends it do pass with attached amendment(s)

recommends it be replaced with CS for \_\_\_\_\_ and that  
CS for \_\_\_\_\_ do pass

(and) recommends it be referred to the \_\_\_\_\_  
committee

reports it back without recommendation

(other) \_\_\_\_\_

### MEMBERS SIGNING THE MAJORITY REPORT:

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

### MEMBERS NOT CONCURRING IN THE MAJORITY REPORT:

_____	recommends:
<u>1/28/72</u>	recommends: <u>X</u>
_____	recommends:
_____	recommends:
_____	recommends:

*u right's  
De gnon also signed*

\_\_\_\_\_ CHAIRMAN

R/0

Original sponsor: Guess

Offered: 3/31/72  
Referred: Rules

1 IN THE HOUSE

BY THE FINANCE COMMITTEE

2 CS FOR HOUSE BILL NO. 370

3 IN THE LEGISLATURE OF THE STATE OF ALASKA

4 SEVENTH LEGISLATURE - SECOND SESSION

5 A BILL

6 For an Act entitled: "An Act appropriating to the University of Alaska;  
7 and providing for an effective date."

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

9 \* Section 1. The sum of \$100,000 is appropriated from the general fund  
10 to the University of Alaska for the purpose of establishing an arctic  
11 environmental information and data center. Unexpended balances from this  
12 appropriation shall lapse on June 30, 1973.

13 \* Sec. 2. This Act takes effect on the day after its passage and approv-  
14 al or on the day it becomes law without approval.

15 636

HOUSE JOURNAL

March 31, 1972

16 HB  
17 370

"FINANCE COMMITTEE REPORT

18 ON

COMMITTEE SUBSTITUTE FOR HOUSE BILL NO. 370

19 The Committee Substitute incorporates two changes from the  
20 original bill. By virtue of testimony before the House  
21 Finance Committee, the Committee determined that \$100,000  
22 was required for the first year's operation as opposed to  
23 the original request of \$200,000. To assure that the ap-  
24 propriation would be available immediately upon passage of  
25 the Act, and yet hold over through the next fiscal year,  
26 the substitute adds language lapsing the appropriation at  
27 the end of FY 73.

24 *George Hohman*  
George Hohman  
Chairman"



Alaska State Legislature  
Senate

JUNEAU ALASKA

TO: Mr. George Hohman, Chairman  
House Finance Committee

FROM: Rich Guthrie  
Senate Fiscal Analyst

SUBJECT: Fiscal Note Request

DATE: 4/21

The following House bills are now in the Senate Finance Committee for consideration:

<u>Bill No.</u>	<u>Title</u>
CSHB	370

The Senate Finance Committee would appreciate receiving eight copies of the fiscal note and other pertinent materials that will assist them as they consider these bills.

Introduced: 3/29/71  
Referred: State Affairs and  
Finance

1 IN THE HOUSE

BY GUESS

2

HOUSE BILL NO. 370

3

IN THE LEGISLATURE OF THE STATE OF ALASKA

4

SEVENTH LEGISLATURE - FIRST SESSION

5

A BILL

6

For an Act entitled: "An Act appropriating to the University of Alaska;

7

and providing for an effective date."

8

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

9

\* Section 1. The sum of \$200,000 is appropriated from the general fund

10

to the University of Alaska for the purpose of establishing an arctic

11

environmental information and data center.

12

\* Sec. 2. This Act takes effect on the day after its passage and approv-

13

al or on the day it becomes law without approval.

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

FINANCE COMMITTEE REPORT

ON

COMMITTEE SUBSTITUTE FOR HOUSE BILL NO. 370

The Committee Substitute incorporates two changes from the original bill. By virtue of testimony before the House Finance Committee, the Committee determined that \$100,000 was required for the first year's operation as opposed to the original request of \$200,000. To assure that the appropriation would be available immediately upon passage of the Act, and yet hold over through the next fiscal year, the substitute adds language lapsing the appropriation at the end of FY '33.

---

George Hohman  
Chairman  
House Finance Committee

The Legislature of the State of Alaska  
 FISCAL NOTE  
 Second Session - Seventh State Legislature

I. REQUEST

Bill Identification: HB 370  
 Title: Arctic environmental data center approp.  
 Requested by: Legislative Finance Date: 1/12/72  
 Return Date Requested: 1/28/72  
 Agency: U of A Program: \_\_\_\_\_

II. FISCAL DETAIL

Budget Request Unit(s) Affected: \_\_\_\_\_

A. EXPENDITURES: (Thousands of dollars)

OBJECT	FY 72	FY 73	FY 74	FY 75	FY 76	FY 77
100 PERSONAL SERVICES	64	106	155	215	215	215
200 TRAVEL	14	25	20	20	20	20
300 CONTRACTUAL	10	100	100	100	100	100
400 COMMODITIES	3	4	5	5	5	5
500 EQUIPMENT	9	40	100	10	10	10
600 LAND & STRUCTURES	-	-	-	-	-	-
700 GRANTS, CLAIMS, ETC.	-	-	-	-	-	-
TOTAL	100	275	380	350	350	350

B. FUNDING: (Thousands of dollars)

GENERAL FUND	100	150	200	200	200	200
FEDERAL FUNDS	-	100	130	100	100	100
OTHER	-	20	50	50	50	50

C. POSITIONS:

PERMANENT/TEMPORARY	4 / -	5 / -	7 / -	14 / -	14 / -	14 / -
MAN MONTHS (P./T.)	48 / -	60 / -	84 / -	168 / -	168 / -	168 / -

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

Project is to develop and operate an Alaska resource and science information acquisition and dissemination system in Anchorage. State funds to be supplemented by federal or foundation grants and subscription of industry, governmental agencies, native corporations and other private sector interests. Statements of need, interests and intent are on file from all these groups who have requested the University to develop this system. Expert evaluation indicates that the program would require only 100,000 in the first year to get it started.

IV. ATTACHMENTS

V. DATE: January 25, 1972 PREPARED BY: Harold A. Byrd

Original: Legislative Finance  
 cc: Budget and Management  
 Prime Sponsor (First Legislator Named)

*Sent Commerce Dept*

PROPOSAL  
for partial support  
for establishment of an

ARCTIC ENVIRONMENTAL INFORMATION AND DATA CENTER  
at the  
University of Alaska  
College, Alaska

PURPOSE

The purpose of this proposal is to solicit financial support leading to the establishment of a central source of arctic information, in specialized and general fields, located in Alaska to serve the growing demands of industry, government, academicians, and the public. The approach to the establishment of the Center is set forth in the attached proposal of the Battelle Memorial Institute.

BACKGROUND OF NEED

*need*

Access to information sources on the North American Arctic in the sciences and technology appertaining to arctic understanding and development has always been and still remains difficult in Alaska. Reasons for this include: lack of a centrally managed U. S. program of arctic research and investigation; the absence of a primary arctic information source located in Alaska; and the unifunctional nature of past research and study conducted not only by U. S. investigators but also by individuals in other nations.

Prior to 1968 the requirement for information on the Alaska arctic environment and the human and natural resources of the region was almost totally military and academic. The discovery of oil in large quantities suddenly induced great demands for scientific, technological, resource, and human knowledge of the region. Other forces have also crystallized the need for functional source data on the arctic--its environment, people, and resources, including the real emergence of the Alaska Native as a political and cultural force in the affairs of the state and nation together with the urgency to settle their legal claims to lands and resources and to improve their education, health, and economic circumstance.

2. Secondly, the United States government, and the public generally, have developed a new awareness of broad environmental problems affecting the national way of life. As a result we as a nation have now begun to equate private and public values within a comprehensive concept of environmental systems and cause and effect relationships. For the arctic this requires knowledge of environmental systems and the manner in which man may properly live and thrive.

These and other situations such as emerging state and national conflict over land dedication in Alaska, growing international interest in the sciences and cultures of the circumpolar region, the United States-Canadian economic and resource interactions in the North American arctic all are causative agents bringing forth a demand for new arctic knowledge and the ready availability of existing information.

The current search for information is taxing the resources of available expertise within and without the state and is costing a tremendous expenditure of time and money by industry, government, and academic institutions. The lack of readily available information is also causing the emergence of public issues characterized by emotionalism and ignorance.

The capital intensive development of the Prudhoe Bay region is also generating forces for the opening of other regions of the Alaska arctic to development and resource extraction. New programs of research and investigation have begun, and new data and understanding is being developed. However, despite the generation of more and more information as demanded by established groups and new entrants on the Alaska scene, such information is extremely costly to procure without a central vehicle for its dissemination.

#### PRIOR AND CURRENT EFFORTS AND ENDORSEMENTS

The idea for an Arctic Information Center is not new in Alaska. It has been advocated for at least twenty years by several particular spheres of interest. Almost every Alaska Science Conference over a long period of years has urged the development of such a facility. Campus committees at the University of Alaska over the years have developed many proposals, and the National Science Foundation funded a feasibility study for such an effort, which resulted in positive endorsement, but follow-up action did not result.

A year prior to the Prudhoe Bay discovery an interagency meeting of the Federal Field Committee for Development Planning in Alaska discussed many of the environmental knowledge limitations being faced by government, industry, and academic institutions in northern regions of Alaska. The idea for a central arctic information source, located in Alaska, was discussed at this time. During 1968 following the discovery of arctic oil in commercially available quantities, the few arctic experts in Alaska, at the University and in government agencies, were literally deluged by industry representatives seeking arctic scientific, technological, natural resource, and Alaska native information. They continue to be in great demand and their activities are hampered by the time taken by those seeking information.

The situation is nearly intolerable for government and extremely costly for industry and researchers alike.

In October of 1968 the Federal Field Committee formally endorsed the proposition that an information center on arctic knowledge should be located at the University of Alaska. This federal endorsement and subsequent urgings from state agencies and industrial firms has led to the current proposal by Battelle.

National endorsement of this need also came at the Polar Planning Conference of the Arctic Institute of North America and Department of the Interior as recently as October 2, 1969.

### Funding

Since many diverse interests and objectives will be supported by the establishment of the Arctic Environmental Information and Data Center, several sources of funding are being sought within industry, selected federal agencies whose missions will be advanced, and from the State of Alaska.

An initial \$200,000 is required to activate this project. Full scale operation in succeeding years will require budgets between \$500,000 and \$800,000 annually depending upon growth rate and personnel plans. For example one federal agency has already indicated its desire to detail an informational scientist to the Center. Most financial support in the future will come from subscription arrangements.

PROPOSED RESEARCH PROGRAM

on

THE DEVELOPMENT OF AN ARCTIC  
ENVIRONMENTAL INFORMATION  
AND DATA CENTER (AEIDC)

to

THE UNIVERSITY OF ALASKA  
College, Alaska

May 15, 1970

BATTELLE MEMORIAL INSTITUTE  
Columbus Laboratories  
505 King Avenue  
Columbus, Ohio 43201

Battelle Memorial Institute • COLUMBUS LABORATORIES

505 KING AVENUE, COLUMBUS, OHIO 43201 • AREA CODE 614, TELEPHONE 299-3151 • CABLE ADDRESS: BATMIN

May 13, 1970

Dr. Kenneth M. Rae  
Vice President  
Research and Advanced Study  
University of Alaska  
College, Alaska 99201

Dear Dr. Rae:

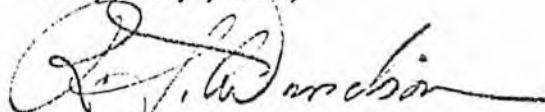
Enclosed are eight copies of our proposal titled "The Development of an Arctic Environmental Information and Data Center (AEIDC)". This plan to structure and initiate the operation of an AEIDC is a most challenging and timely program. We at Battelle's Columbus Laboratories look forward to working with you and your associates in developing this Center which will provide technical assistance to the many individuals, organizations, and industries who look to your University for guidance and assistance.

The encouragement and helpful assistance so freely provided by Mr. David Hickok of the Federal Field Committee for Development in Alaska has been extremely valuable. It has been a real pleasure to work with one so committed to the importance of your University in Alaskan development.

If you have any questions concerning the proposal, please do not hesitate to contact me.

With best personal regards,

Very truly yours,



R. S. Davidson  
Director  
Bioenvironmental Sciences Program

RSD/jbs  
Enc. (8)

cc: Mr. David Hickok

## EXECUTIVE SUMMARY

The Columbus Laboratories of Battelle Memorial Institute (BCL) propose a program for the development and establishment of an Arctic Environmental Information and Data Center (AEIDC) for the University of Alaska. For the initial phase of the program, Battelle proposes a pilot-demonstration model of the Information Analysis Center concept. This concept, developed over the past 19 years to a high degree of sophistication by Battelle, provides a mechanism for the analysis and compression of large quantities of information and data for use by specific user audiences. Such analysis and compression are vital factors in aiding the future development of Alaskan resources and the continued progress of the State of Alaska. In addition, the information analysis center concept lends itself well to a relatively small, economical start, followed by subsequent phases of growth and scope expansion on the basis of detailed requirements which develop during actual operation.

The proposed program will result in the establishment of an AEIDC at the University of Alaska with the following goals:

- (1) To provide members of industry, academic institutions, Government Agencies, and the public with a source of objective information and data about the biological and physical sciences, and related engineering aspects of the Arctic
- (2) To foster the use of the information resource during conception and development of any program in which Arctic information and data is required
- (3) To serve as a communications medium to stimulate the interchange of information on Arctic science and engineering
- (4) To provide the various Research Institutes of the University of Alaska and other interested groups with a mechanism for documenting program accomplishments and with an institutional memory for facilitating transitions, such as those resulting from changes in personnel and program objectives
- (5) To provide information and data pertinent to decision-making processes such as resource zoning in conflict areas which could prevent the advocacy of multiple use
- (6) To establish an Arctic capability and visibility for the American Arctic as well as assist in the planning of circumpolar research involving foreign research participation.

To accomplish these goals, the AEIDC will utilize a team of information scientists and subject specialists in an adaptive and interactive environment that will provide the flexibility necessary for its mission. The implementation and initial operations functions will be conducted at Battelle's Columbus Laboratories over the 12-month contract period. The emphasis of the program, however, will be directed to developing an on-site facility for the University of Alaska.

The key steps in the proposed program are:

- (1) Implement a model scientific and technical information storage and retrieval system, conforming to the requirements for an AEIDC

BATTELLE MEMORIAL INSTITUTE - COLUMBUS LABORATORIES

- (2) Develop a specific information-acquisition program in areas of high priority selected jointly by the University of Alaska and BCL
- (3) Acquire information in accordance with (1) and (2) above and operate the model information analysis center on a limited basis
- (4) Develop recommendations for the subsequent phases required for expansion of the AEIDC to full-scale operations
- (5) Perform a limited response activity during the initial phase of the program.

This program is proposed for an initial 12-month period.

#### Expected Results

The specific significant outcome of this proposed program will be:

- (1) An Arctic Environmental Information and Data Center operating on a full design but limited operation basis
- (2) An input-processing rate by the end of the program approaching 200 documents per month, depending upon determinations made during the initial scoping and definition study
- (3) Quick-response activity to the degree permitted by the achieved input, giving an increasing "feel" for the scope and nature of information required for subsequent acquisition
- (4) Means for integrating the Center with other pertinent information sources such as "Arctic Bibliography" or "Bibliography on Cold Region Science and Technology", and others
- (5) Train key personnel, selected by the University of Alaska, in information and data-center techniques
- (6) Provide basis for future computer support of the information and technology system, if desired
- (7) Make specific recommendations for the action plan leading to full-scale operation of the Center in subsequent phases.

The ultimate capability of the Center will be to collect, review, analyze, appraise, summarize, and provide advisory and other user services concerning the available information/data related to Arctic science and technology. Emphasis will be given to the process of dissemination. The Center will be aggressive and dynamic so that its knowledge store and staff capabilities can be fully utilized for the benefit of the industry, Government Agencies, academic institutions, Arctic research community, and the public.

PROPOSED RESEARCH PROGRAM

on

THE DEVELOPMENT OF AN ARCTIC  
ENVIRONMENTAL INFORMATION AND DATA CENTER (AEIDC)

to

THE UNIVERSITY OF ALASKA  
College, Alaska

from .

BATTELLE MEMORIAL INSTITUTE  
Columbus Laboratories

May 15, 1970

INTRODUCTION

This proposal discusses the initial efforts necessary for the ultimate development and implementation of an Arctic Environmental Information and Data Center (AEIDC) for the University of Alaska as recommended by the Columbus Laboratories of Battelle Memorial Institute (BCL). The objectives of an AEIDC will be to provide a centralized information and data base in specified biological and physical sciences and engineering areas of importance to the advancement of arctic science and engineering. An AEIDC, through products and services such as state-of-the-art surveys, data summaries, responses to inquiries, specialized analyses, an inventory of on-going research projects, and other contributions, will provide vital and quick response support to research, development, and educational activities related to or dependent upon arctic science. An AEIDC will thus become a vital factor in the continued progress of the State of Alaska.

Some preliminary thoughts concerning the concept for an AEIDC and Battelle's philosophy and approach to the development of such an activity were discussed in the prospectus for an Arctic Science and Technology Information and Data Center which was submitted earlier. This proposal now discusses those specific activities concerned with the initial studies and the development of a pilot operation necessary for the development of an AEIDC. This proposal has been developed following discussions and correspondence between Mr. David M. Hickok of the Federal Field Committee for Development Planning in Alaska and Dr. R. S. Davidson of Battelle's Columbus Laboratories.

An interdisciplinary team composed of Battelle information scientists, ecologists, and environmental scientists will be formed to conduct the project. An interdisciplinary effort, such as this, assures not only the development of an effective information system, but also the development of a system that is responsive to specified scientific and technical needs.

An initial on-site survey effort will be conducted at the University of Alaska to establish the initial system requirements and parameters. Other generators, processors, and users of arctic environmental information and data will be contacted also. These results will be analyzed and summarized to provide the basic input for the system-design study to be conducted concurrently at Battelle's Columbus Laboratories.

The additional activities of implementation, training, and initial operation, will involve the environmental specialists to a greater degree. The advice and participation of technical specialists is vital in the selection, screening, indexing, and processing of information to build the information/data base for the Center as well as to provide the analytical capability necessary to the output functions of the Center.

### BACKGROUND

Recorded history indicates that man has inhabited arctic regions of the world since the third or fourth centuries. The inhabitants of these environments resided in relative anonymity to the remainder of the world until the development of the fur and whaling industries during the nineteenth century. The invasions associated with these industries were relatively small and contributed little to the degradation of the environment. During the twentieth century, however, invasions involving scientific exploration and problems of national defense have assumed much larger scale and have penetrated to remote alpine and arctic areas. Presently, the availability of abundant minerals and oil reserves in arctic Canada and Alaska has resulted in the initiation of a new cycle of alpine and polar development.

Almost 20 years ago, the Conservation Foundation conducted an Alaskan Resource Study for the U. S. Department of Interior. Many of the conclusions and recommendations of this study are extremely pertinent in the context of recent developments. Among those cited were the need for more knowledge of factors influencing arctic environments the location and extent of resources together with the opportunities and risks of development, and methods applicable to arctic resources management for continued productivity - not quick exploitation. These requirements are only a partial summary of some of the most urgent needs for Alaska now.

In this regard, there is much concern for the environmental degradation which can be associated with development and operation of the oil and other industries in fragile Alaskan ecosystems. In these cold climates mutilations tend to be permanent due to the low rates of biological processes. The increase in number of environmental scars during the past few years and awareness that engineering and construction techniques applied in temperate regions may not be applicable to Arctic regions has stimulated recognition of the need for careful planning in relation to Alaskan development. The U. S. Secretary of the Interior recently stated: "The North Country is beginning to undergo the most rapid and profound changes ever seen in any wilderness region in world history. We must find new ways to meet this unprecedented challenge. We need new ideas, new techniques and attitudes".

The planning surrounding the recent developments associated with Alaskan natural resources will require the availability and interpretation of all possible data related to the environment and the relationship of Alaskans to their natural surroundings. Collection, analysis, and evaluation of data related to such a broad scope represents a major

3

effort on the part of those undertaking such a task. The performance of this task by individual groups for their own use is highly inefficient and impractical. The need exists for a single source of information relating to Alaskan environmental problems and development techniques which may be used by all types of groups requiring such information for the performance of their tasks. As new information and data are generated, as new studies are completed, it is vital that the results be centrally collected and made available to both Government and industry in the further development of Alaska. The project activities detailed in this proposal provide an orderly, efficient, and considered approach leading to the establishment of this focal point or single source of information, an Arctic Environmental Information and Data Center.

#### The Role of AEIDC in Support of the University of Alaska

Increased recognition is being given by the Federal Government to the concept of information analysis centers as an effective means of focusing concentrated research efforts in areas of priority or national importance. As stated by Andrew A. Aines, Chairman of the Committee on Scientific and Technical Information of the Federal Council for Science and Technology:

"The trend in the United States technical community toward the establishment of Information Analysis Centers (IAC) has accelerated rapidly. Such centers have become a significant factor in improving the accessibility of reliable scientific and technical information and seem destined to grow rapidly in importance. While the concept of an Information Analysis Center is new, the functions are as old as science and technology, actually being an integral part of the processes by which science and technology have progressed. An Information Analysis Center has been defined as a formally structured organizational unit specifically established for the purpose of acquiring, selecting, storing, retrieving, evaluating, analyzing, and synthesizing a body of information within a clearly defined specialized field, or within a specified mission for the purpose of compiling, digesting, repackaging, or otherwise organizing and presenting pertinent information in a form most authoritative, timely, and useful".

The University of Alaska, as the focal point for concern of all factors which affect the Alaskan environment and man's effect upon it has a tremendous task in establishing recognition of its role as the authority on this environment. If it is going to speak with authority, it must have technical competence in the many areas of concern, especially in those areas of high priority or threat. By tapping concentrations of scientists and technologists not only at the University but also those of research organizations, which have expertise in complementary areas of science and technology for concentrated back-up support, the capacity and capability of the University can be augmented and expanded.

The functions that such a center perform are a systematic formalization of the time-honored functions performed by and integral to the R&D community, but directed toward "a clearly defined specialized field, or within a specified mission of high priority or nation importance". The IAC concept, when properly administered as a part of the R&D effort, is a proven method of focusing technical competence in support of a national effort. This is evident from the number and varied subject areas of such centers now supported by the Federal Government.

Figure 1 illustrates the supportive role of AEIDC to the State of Alaska, the University, and the Alaskan industry. The scientific and technical staff of the Center would be available to provide the University with quick response and critical evaluation to meet the planning pressures surrounding the recent developments associated with Alaskan natural resources. The staff also would provide state-of-the-art and technical analyses to proper elements within the Arctic science and engineering community. Further, through the technical guidance of the Center's scientific staff, the information staff would acquire specialized technical information and data required to accomplish the mission of the Center.

### Scope and Objectives

#### Scope

The scope of the Arctic Environmental Information and Data Center must be responsive to the evolving mission and needs of the users and must maintain a ready adaptability to alteration. The Center is envisioned as including that significant U. S. and foreign information and data related to the biological and physical sciences, and engineering aspects of the development, exploitation, and preservation of arctic resources, both American and circumpolar.

#### Objectives

The proposed Arctic Environmental Information and Data Center would have the following goals:

- (1) To provide members of industry, academic institutions, government agencies, and the public with a source of objective information and data about the biological and physical sciences, and related engineering aspects of the Arctic.
- (2) To foster the use of the information resource during conception and development of any programs in which arctic information and data is required
- (3) To serve as a communications medium to stimulate the interchange of information on arctic science and engineering
- (4) To provide the various Research Institutes of the University of Alaska and other interested groups with a mechanism for documenting program accomplishments and with an institutional memory for facilitating transitions, such as those resulting from changes in personnel and program objectives
- (5) To provide information and data pertinent to decision-making processes such as resource zoning in conflict areas which could prevent the advocacy of multiple use
- (6) To establish an arctic capability and visibility for the American Arctic as well as assist in the planning of circumpolar research involving foreign research participation.

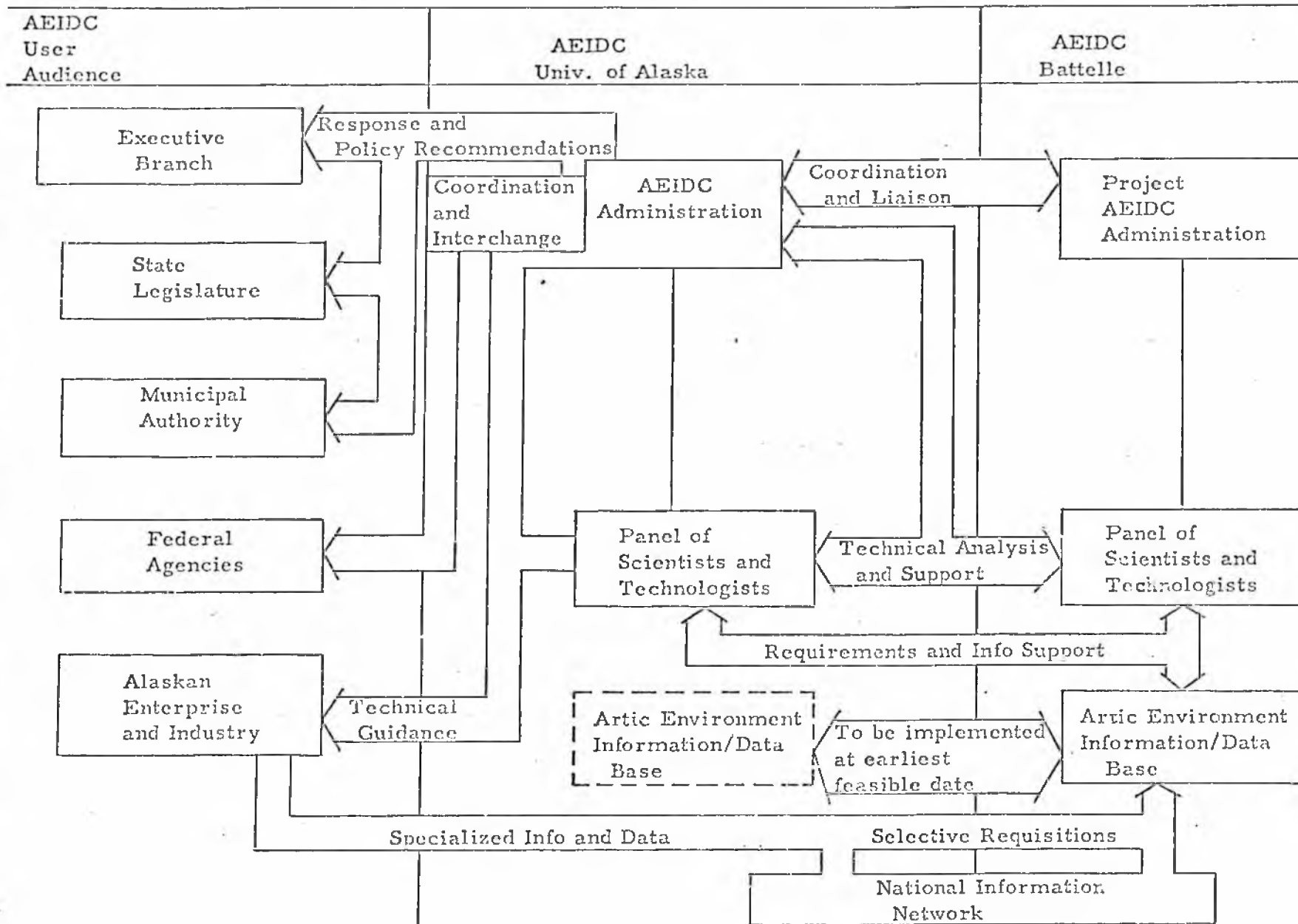


FIGURE 1. THE SUPPORTIVE ROLE OF AEIDC TO THE UNIVERSITY AND STATE OF ALASKA

## APPROACH TO SYSTEM IMPLEMENTATION

### Basic Approach

In considering the feasibility and definition of a new system, the user needs, existing pattern of information flow, system inputs, system use, and outputs are determined and evaluated. From these, the mission, scope, purpose, and objectives are defined, and the system design parameters are determined. The various alternative information systems can then be compared and evaluated in view of the design parameters, and final design configuration selected to meet the system requirements. Implementation includes the normal start-up activities and a period of testing and reshaping of the system to meet real demands. Frequently, a small-scale "pilot" system is implemented first to provide for testing. A system is considered operational only after a satisfactory "shakedown" period and when full-scale operation is considered feasible.

Because of the recognized need and urgency for the establishment of an AEIDC, and, in view of the fact that areas warranting priority attention can be identified, it is feasible and desirable to conduct the implementation and design studies on a concurrent basis. This will permit earlier establishment of an operational data base and, at the same time, begin to provide critically needed service to the user audience within the State of Alaska.

In order to provide for early implementation of priority elements of the overall system, a program will be followed whereby implementation activities of a pilot system can be started as an initial phase of the total program, and the definition studies can be conducted as a parallel effort. The initial system design would be adapted from already existing systems and the choice based on considered judgment in view of the knowledge gained of the information environment and requirements of the University of Alaska and the user public it serves.

Figure 2 is a time-task chart showing details of the recommended activities for the project.

The pilot system must, of necessity, be sufficiently flexible to be adaptable to changing needs and requirements that would be identified during the study of the information requirements to be fulfilled by the AEIDC. A capacity for further expansion of scope would also need to be considered in selecting a final design configuration for the pilot system.\*

\* Battelle's information scientists, with a background of almost 20 years of planning, designing, and operating a number of types of information systems for a wide variety of sponsors, are well qualified to provide the experience and judgment factors so critical to this approach.

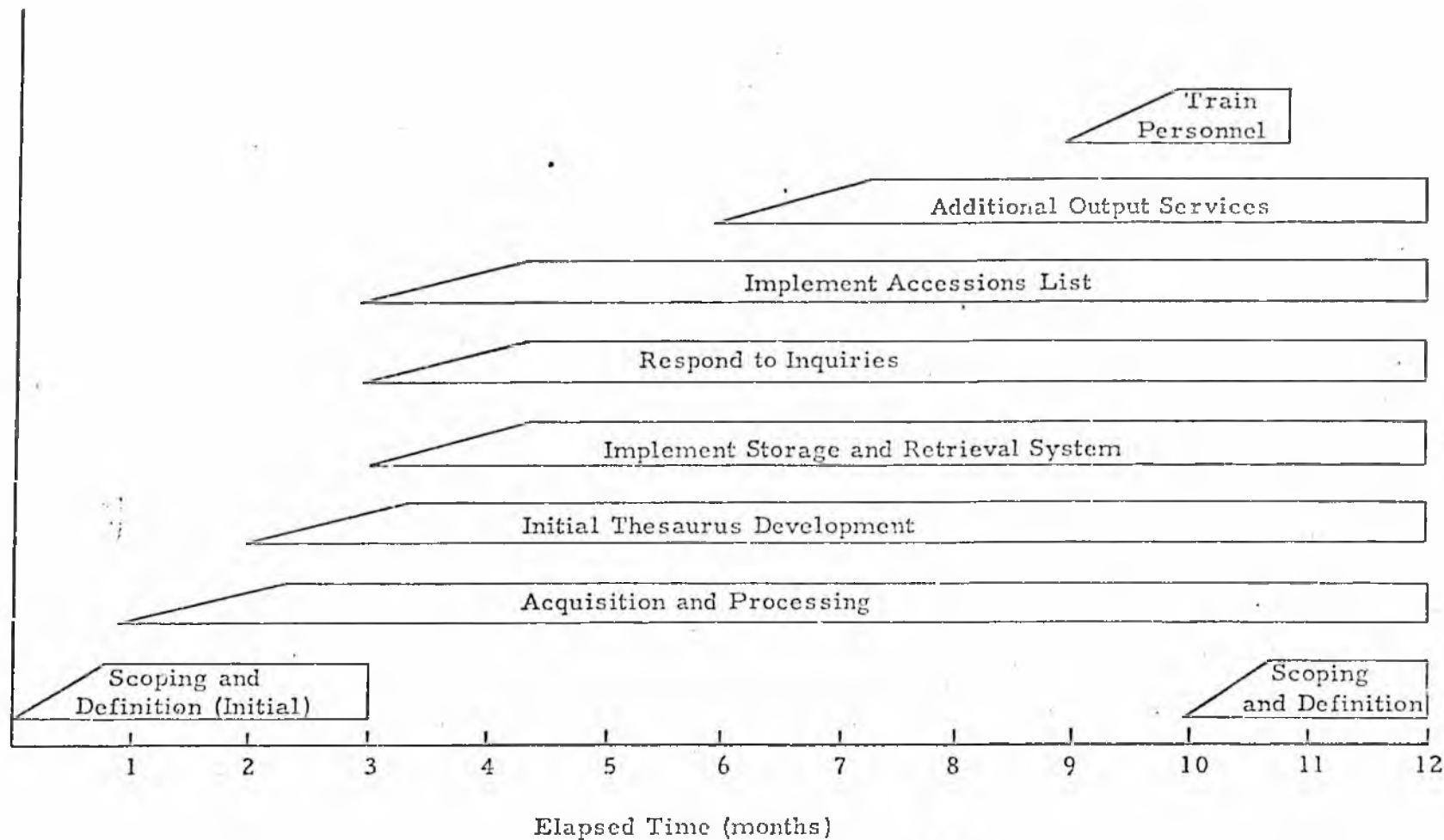


FIGURE 2. TIME TASK CHART FOR DEVELOPMENT OF AN ARCTIC ENVIRONMENTAL INFORMATION AND DATA CENTER

## Development and Demonstration of Information Base and Related Activities

This work will encompass a number of elements as follows:

### Scoping and Definition Study

A survey of selected staff of the University of Alaska, and of other members of the Center's mission community will be conducted to determine the subject-matter boundaries of the information base. Types of needs to be met by the information system will be identified and priorities assigned. This work will result in an initial charter for the information system which establishes with as much specificity as appropriate what the system is to provide, for whom, how often, how fast, and in what formats. For purposes of demonstration, only the highest priority areas of need will be addressed by this project.

It should be recognized by everyone concerned with the management and operation of the AEIDC that careful scoping and definition of an information center are essential to the utility and viability of the center. Further, the phrase "initial charter" was used deliberately, because of the limited nature of the initial phase of the proposed program, to indicate that the charter is a dynamic tool for guiding the continuing development and operation of a system or center. Provisions for change in the charter must be included at the outset to allow the center to adjust as interaction with its user community may dictate.

### Initial Demonstration Products and Services

#### (a) Responding to Inquiries

Depending upon determination made during the scoping and definition study as to acquisitions and input priorities and types of services or products to be provided during the early life of the AEIDC, it is expected that some "Quick Response Inquiry" (QRI) and "Technical Advisory Inquiry" (TAI) activity will be conducted during the system-development effort.

A Quick-Response Inquiry (QRI) is a question from a qualified requester that may require up to a maximum of a week's effort of a staff scientist, engineer, or information scientist to answer. Responding to such a request is essentially a fact-retrieval effort. When presented with questions such as the nature of the flora in the vicinity of Barrow, or drymatter production on the North Slope, an information specialist would interrogate the information/data bank and perhaps other appropriate information/data resources, possibly consult with staff specialists, add his own knowledge, and prepare a short reply. This type of inquiry might arise in connection with research-initiation decisions or in specific resource management considerations.

A Technical-Advisory Inquiry (TAI) differs from a QRI in that it takes longer to answer, involves some degree of analysis, and requires the services of a staff scientist or engineer. The average TAI requires about 2 man-weeks of a scientist's time. In

response to a typical TAI, for example, a preliminary examination might be made of potential commercial marine species to define certain dimensions of the problem and to determine whether further exploration is indicated. The inquirer would then be provided an unbiased appraisal of the concept as a basis for his decision regarding future research direction.

During system start-up, QRI's and TAI's will be accepted and - in addition to supplying needed information to qualified users - will also be used as acquisition guides for the Acquisitions Program Development discussed in a subsequent section. Initially, emphasis will be on input development rather than on the quickness of response. As the thrust of users' interest areas becomes apparent, the emphasis will gradually shift to accent both timeliness and utility of response. This systematic approach will ultimately yield significant benefits in the quality of service provided later by the Center as the system moves into full implementation. No goal is set at this time as to how many such QRI's and TAI's should be handled during this development and demonstration phase of the proposed program.

(b) Current Awareness (Announcement) Bulletin

After the acquisitions and processing efforts reach a sufficiently productive state, probably at the halfway point, several pilot samples of current-awareness bulletins will be prepared. Once again, the main purpose here is to learn what type of product will best meet the objective. It is expected that by the end of the first year's operations, enough will have been learned through feedback from the users to make longer range decisions regarding the content, format, and timeliness desired by the user audience.

(c) Additional Output Services

The scoping and definition study, and the knowledge of the user needs and requirements gained through actual operation of the pilot system, may define additional output services that could be instituted on a demonstration basis in the later months of the program. These services are illustrated by the following examples:

Memoranda. Memoranda are used as a means to expedite dissemination of information and may be prepared for several reasons:

- (1) The subject information is a chapter or part of a formal report, but is of immediate interest and may otherwise be delayed many months pending completion of the formal report.
- (2) The subject information is important but is preliminary or for some other reason incomplete. Memoranda often bring responses from persons who have additional information but who either withheld it or were not known previously.
- (3) The subject information is abbreviated, e.g., highlight of information collected by a working group or technical symposium.

Technical Notes. Technical notes are minimum-effort reports. Information is so distributed for two primary reasons:

- (1) It is so preliminary that it should not be referenced as part of the technical literature.
- (2) The audience which benefits from the subject information is very limited, although the information reported is comprehensive.

Reviews of Recent Developments. To assist its users in remaining current with information in areas of interrelated and rapidly changing technology, short reports, or "Reviews of Recent Developments", could be prepared. These would be newsletters listing only current items of significance which have become available during a 3- to 6-month period.

The costs of providing such additional outputs are not included in the costs of this proposal.

#### Acquisitions Program Development

Concurrent with the scoping study and continuing thereafter will be the development of a limited acquisitions program. Two basic types of functions will be involved in this program:

(1) Identification, analysis and evaluation of existing resources of information relevant to the Center's mission. Sources of information resulting from recently completed and prior work include:

- o Primary sources of published literature
- o Secondary sources of published literature
- o Other sources of published literature
- o The technical report literature
- o Nonproprietary, industrial, scientific/technical information.\*

To acquire information from current, on-going work, an aggressive program will be developed to identify organizations starting, performing, or funding work relevant to the Center's mission. Channels will be established for receiving on direct distribution the progress or other interim reports as well as final reports resulting from such work. Active liaison will be established and maintained with selected organizations to assure that the most up-to-date information possible is acquired for input to the system. Such input will consist of documented telephone conversations, trip reports, correspondence, and the like. In Battelle information analysis centers it has been found that, through

\* It has been found feasible and valuable in Battelle centers to develop mechanisms for obtaining from industry so-called "proprietary information". Experience has shown that useful information and data are frequently considered proprietary simply because of incomplete or partial investigations. Or, for business reasons, a particular company may not wish to be identified with certain work. There are other reasons for limiting the availability of information. Such information or data are frequently releasable for public use under specific but reasonable conditions. In other cases, such information or data are available for consultation even though not releasable, to assure accuracy of analysis and conclusions.

active liaison between a center and members of the community being served, such inputs have kept the center up to 3 years ahead of published literature in some technological areas.

(2) Interfacing with documentation and information capabilities already in operation.

In developing a new information system such as AEIDC, the objective is to provide improved, more efficient, and more convenient access to a body of information, and to assure that all pertinent information is gathered in one place or is accessible through a single source. In some instances pertinent elements of existing systems may be incorporated into the new system. However, in other cases (such as "Arctic Bibliography" and "Bibliography on Cold Region Science and Technology") the new center would not duplicate the holdings of existing systems. Instead, it is preferable to incorporate in the new system ways and means of utilizing applicable portions of such information stores and to devote the resources of the new system to supplementing these existing sources with additional information pertinent to the system's specific objectives. A partial list of potential information sources of interest to AEIDC is shown in Appendix D.

Methods and Procedures for Document Processing

Efficient and effective methods and procedures for processing documents into a system are well established and have been thoroughly tested and proven by Battelle in the course of designing and operating more than a dozen centers. Adaptation of these processes to the requirements of the AEIDC should be a straightforward matter.

Information Processing for Storage, Retrieval, and Utilization

(1) Scanning, evaluation and selection. Methodology and procedures for scanning, evaluation, and selection of information for the AEIDC should be similar to techniques already developed for other Battelle centers. Some modifications may be required to permit continuing interaction between information specialists and subject matter specialists at Battelle and staff members of the University of Alaska, and perhaps elsewhere in the evaluation and selection of information-system inputs.

(2) Vocabulary development. The system's charter, developed through the scoping and definition study, will refine the philosophy and formulate basic guidelines for vocabulary development and indexing. We plan to use the coordinate-indexing approach. Optimum use will be made of prior vocabulary work, drawing upon existing thesauri such as the BCL-BEDIC thesaurus, the Engineers Joint Council "Thesaurus of Engineering Terms", the "Water Resources Thesaurus" of WRSIC, the "Agricultural/Biological Vocabulary" of the National Agricultural Library, and others. Nevertheless, considerable effort will be required to tailor the more general approaches represented in most existing thesauri to the specific needs of the AEIDC. Vocabulary control and thesaurus updating and expansion are continuing processes in any viable specialized center. Reliable, precise, and efficient retrievability is a key factor in the successful operation of a quick-reacting, specialized, information center. To achieve the required quality of retrievability, a high relevance ratio in both the items stored and their indexing must be achieved and consistently maintained. This requirement becomes increasingly stringent as the size of the information base grows, as its subject scope shifts or expands into new areas or as the technology of the community served becomes more complex or multidisciplinary, and as use of the information base rises.

(3) Indexing and abstracting. Until adequate indexing relevance ratios can be economically achieved through automatic indexing by computer (converting printed matter to machine language economically by electronic means such as by OCR equipment is but one part of the problem) indexing will remain an intellectual process requiring the combined skills of information specialists generally knowledgeable in the subject area being indexed and specialists working in the subject area. The subject-matter specialists at BCL who will assist in acquisitions evaluation and selection will also provide guidance in vocabulary development and indexing. Likewise, appropriate means will be developed for achieving this type of interactive guidance by subject matter specialists at the AEIDC and elsewhere as appropriate.

Except for modifications identified during the scoping and definition study, abstracting/extracting methodology currently in use for other Battelle information systems should be generally applicable for the new system. Continuing review procedures will be established to assure the adequacy of the methodology as user interaction with the information system commences.

#### Information Storage and Retrieval Mechanism

(1) Start-up and initial implementation. Battelle already has in operation a variety of information storage and retrieval systems. In addition, Battelle is currently developing on its own funds a time-shared, computer-based information system and will soon have a computer dedicated exclusively to information activities. This system is described in Appendix C. Thus, the University of Alaska will benefit by not having to incur the heavy costs of system design and software development, and, instead, will incur only the much more modest costs of only its own usage of an already-developed system.

For the start-up, demonstration, and initial implementation of the AEIDC, Battelle plans to use an existing time-sharing system on Battelle's CDC 6400 computer. This system, INTERCOM, can support a moderately sized information-retrieval package such as that envisioned during the formative stage of AEIDC development.

(2) Demonstration and initial implementation. By the end of the first 6 months of the contract, the system should contain sufficient information to have demonstratable utility.

(3) Future mechanization. As the information base becomes sufficiently large and as user demands upon the system increase, AEIDC can be transferred to the advanced real-time, remote-access storage and retrieval system. This system will enable AEIDC users to query the information base from any facility possessing the necessary terminal equipment. Reprogramming and reprocessing will not be necessary, since all initial input will have been formatted to conform with the advanced computer system.

### "Hard Copy" Document Storage

Details of document storage of the information-system development will be worked out during the scoping and definition study. However, based upon preliminary consideration, primary "hard copy" storage should probably be at BCL initially, with a satellite file of either "hard copy" or microform at the University of Alaska.

### Training and Education

During the second 6 months of the proposed program, certain key personnel selected and hired by the University of Alaska would be brought to Battelle's Columbus Laboratories (at the sponsor's expense) for 4 to 6 weeks' training in the fundamentals of information systems. The participants will be given an overview of all aspects of information systems from design through operation and evaluation. Emphasis will be given to participation and "hands-on" training utilizing the AEIDC information system. The training program will be specifically tailored to meet the needs of the AEIDC personnel, and will probably include the elements outlined in Appendix E. Although an outline of classroom topics is presented in Appendix E, the program is flexible and will be adapted to the needs, backgrounds, and experience of the specific personnel and to the requirements identified during the implementation and pilot demonstration of the AEIDC.

### Methodology

The design studies for, and initial implementation and operation of, the AEIDC will be conducted primarily at Battelle's Columbus Laboratories. Here, the Project Leader will be able to call upon a number of information and technical specialists for assistance in conducting the evaluations and making the series of selections and decisions that lead to the development of the AEIDC. Information scientists experienced in system design or in various aspects of information-system operations as well as technical specialists knowledgeable in the many disciplines involved in an AEIDC can be called upon as needed.

## PROJECT ORGANIZATION

The overall responsibility for this program will be assigned to Battelle's Department of Economics and Information Analysis, Dr. R. S. Davidson, Director for Bio-environmental Research Programs, will be responsible for the performance and administration of the project. Mr. Thomas E. Carroll, Information Systems Manager for the Bioenvironmental and Ecological Data and Information Center, and Dr. Arthur A. Levin, Environmental Scientist, will serve jointly as Project Leaders and participate directly in all aspects of the program. The organizational structure for the project is shown in Figure 3. Biographical sketches of the key personnel suggested for the project are included in Appendix F.

The permanent project team incorporates information scientists, an ecologist, and a bioenvironmental specialist. As specific requirements arise, the Project Leaders will call upon the expertise of any of the more than 1300 professional staff members of Battelle's Columbus Laboratories or of Battelle's associated consultants.

The Steering Committee (shown in Figure 3) will provide guidance and technical supervision to the basic project team. They will be available for consultation and assistance with special problems and will review all reports, recommendations, and conclusions. The makeup of this committee provides the multidisciplinary capabilities necessary to a project of this nature.

The suggested Advisory Committee is regarded as a very important factor in assuring that the AEIDC will achieve its objective of providing a centralized information and data base in scientific and engineering areas of importance to the advancement of arctic science and engineering in Alaska. As noted in Figure 3, this Committee would be selected by the University of Alaska; ideally, its members should be knowledgeable and active in arctic environmental activities, vitally interested in improving the related information systems, and capable of representing the interests of the industrial, government, and academic communities in the development of the AEIDC. To provide continuity, the members of the committee should be able to function throughout the total program.

The specific Battelle personnel listed in Figure 3 are those recommended at this time. Specific commitments at the time of initiation of the project may require some substitutions, especially in the support personnel. If this is necessary, the personnel will be replaced with individuals with similar background and experience.

## REPORTING

The University of Alaska will be kept informed of Battelle's progress in this study through monthly report letters. These will be brief status reports indicating progress made during the past month, any problem areas, and plans for the succeeding month's activities.

Upon completion of the scoping and definition study an informal interim report summarizing the results and conclusions will be submitted. This will be incorporated in the final report at the conclusion of the development program.

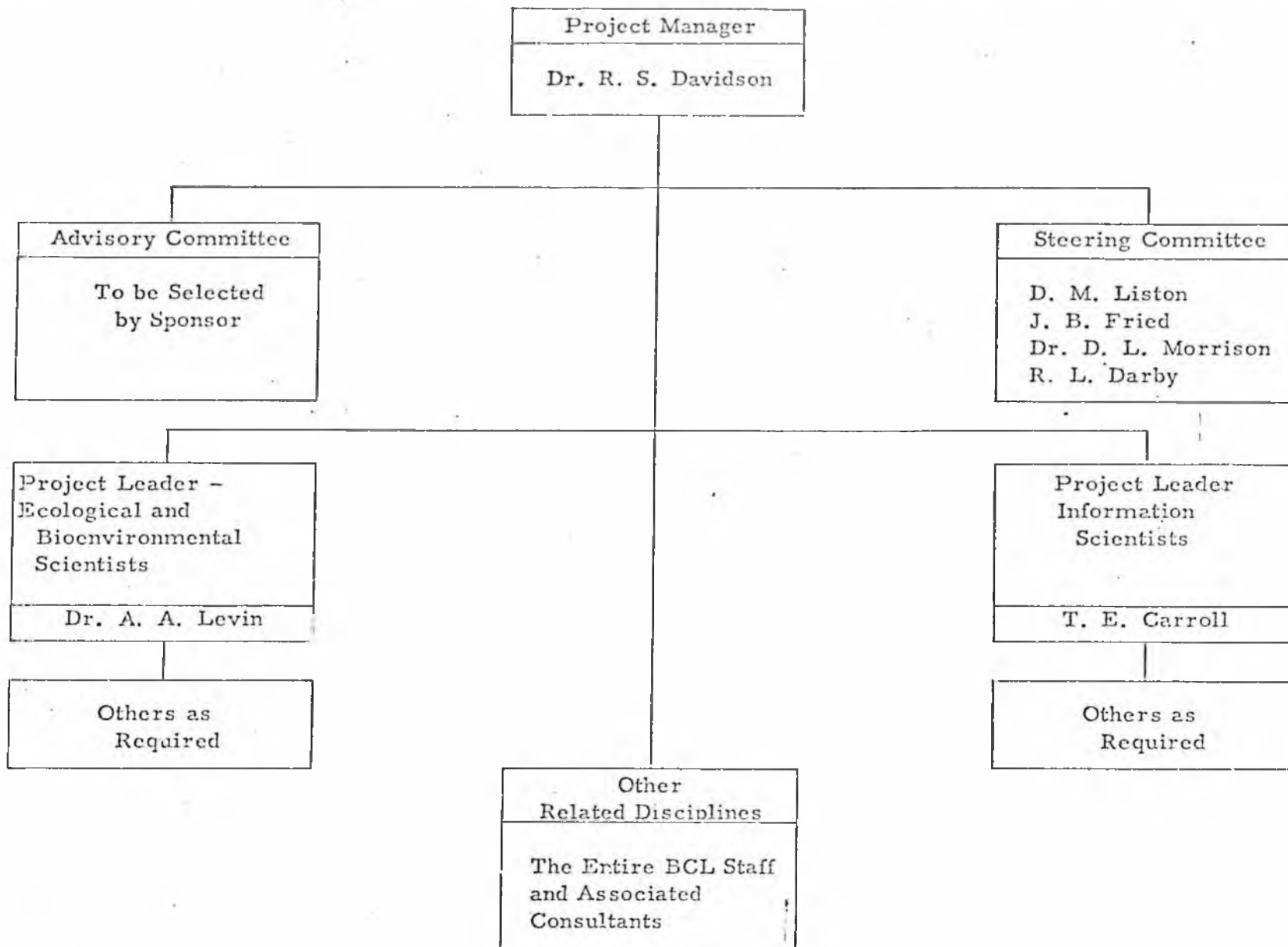


FIGURE 3. PROJECT ORGANIZATIONAL STRUCTURE

TIME AND COSTS

Total costs for the 12-month program discussed in this proposal, including travel, are estimated to be \$200,000. Billings will be made monthly on the basis of costs incurred during the previous month. Should the University desire additional technical assistance or additional information products, cost extensions can be arranged through mutual agreement.



# RECORDS



# CERTIFICATION

I, the undersigned, an employee of the State of Alaska, do hereby certify that the microfilm images on this microform are accurate reproductions of the original records of the State of Alaska as accumulated during the regular course of business, and that it is the established policy and practice of this State to microfilm its records and to dispose of the original records after microfilm reproductions have been made.

James D. Smith  
Signature of Camera Operator

4/4/89  
Date



Introduced: 3/29/71  
Referred: State Affairs and  
Finance

1 IN THE HOUSE

BY GUESS

2

HOUSE BILL NO. 370

3

IN THE LEGISLATURE OF THE STATE OF ALASKA

4

SEVENTH LEGISLATURE - FIRST SESSION

5

A BILL

6

For an Act entitled: "An Act appropriating to the University of Alaska;

7

and providing for an effective date."

8

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

9

\* Section 1. The sum of \$200,000 is appropriated from the general fund

10

to the University of Alaska for the purpose of establishing an arctic

11

environmental information and data center.

12

\* Sec. 2. This Act takes effect on the day after its passage and approv-

13

al or on the day it becomes law without approval.

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

# TELEGRAM

RCA ALASKA COMMUNICATIONS, INC.

PHONE: 386-6440

JUNEAU, ALASKA 99801

\*V

AVAILI POF

1972 MAY 18 PM 1 25

ANCHORAGE ALASKA 18 1113A ADT

SENATOR JOHN BUTROVICH

JUN

2385

AT STAKE IN PASSAGE OF HR372 NOW IN THE SENATE FINANCE COMMITTEE  
IS A CENTRAL SOURCE OF NATURAL RESOURCE AND SCIENCE INFORMATION  
FOR ALASKA AND A SYSTEM OF GOVERNMENTAL INDUSTRIAL ACADEMIC AND  
PUBLIC DISSEMINATION OF SUCH KNOWLEDGE.

UNDER DEVELOPMENT SINCE 1967 THIS SYSTEM IS ASSURED FEDERAL SUPPORT  
IN MANPOWER AND GRANT DOLLARS FIVE TO SIX TIMES THE STATE'S  
\$100,000 CONTRIBUTION.

PLEASE GIVE THIS BILL YOUR CONSIDERATION AND SUPPORT IF WE ARE  
TO HAVE THE FACTS AVAILABLE NECESSARY FOR THE STATE'S INTELLECTUAL  
DEVELOPMENT.

DICK HICKOK SEA GRANT PROGRAM

HR372 1967 \$100,000

(15).

FINANCE COMMITTEE REPORT

ON

COMMITTEE SUBSTITUTE FOR HOUSE BILL NO. 370

The Committee Substitute incorporates two changes from the original bill. By virtue of testimony before the House Finance Committee, the Committee determined that \$100,000 was required for the first year's operation as opposed to the original request of \$200,000. To assure that the appropriation would be available immediately upon passage of the Act, and yet hold over through the next fiscal year, the substitute adds language lapsing the appropriation at the end of FY 73.

---

George Hohman  
Chairman  
House Finance Committee

The Legislature of the State of Alaska  
FISCAL NOTE  
Second Session - Seventh State Legislature

I. REQUEST

Bill Identification: HB 370  
 Title: Arctic Environmental Data center approp  
 Requested by: Legislative Finance Date: 1/12/72  
 Return Date Requested: 1/25/72  
 Agency: UCF A Program: \_\_\_\_\_

II. FISCAL DETAIL

Budget Request Unit(s) Affected: \_\_\_\_\_

A. EXPENDITURES: (Thousands of dollars)

OBJECT	FY 72	FY 73	FY 74	FY 75	FY 76	FY 77
100 PERSONAL SERVICES	64	106	155	215	215	215
200 TRAVEL	14	25	20	20	20	20
300 CONTRACTUAL	10	100	100	100	100	100
400 COMMODITIES	3	4	5	5	5	5
500 EQUIPMENT	9	40	100	10	10	10
600 LAND & STRUCTURES	-	-	-	-	-	-
700 GRANTS, CLAIMS, ETC.	-	-	-	-	-	-
<b>TOTAL</b>	<b>100</b>	<b>275</b>	<b>380</b>	<b>350</b>	<b>350</b>	<b>350</b>

B. FUNDING: (Thousands of dollars)

GENERAL FUND	100	150	200	200	200	200
FEDERAL FUNDS	-	100	130	100	100	100
OTHER	-	20	50	50	50	50

C. POSITIONS:

PERMANENT/TEMPORARY	4 / -	5 / -	7 / -	14 / -	14 / -	14 / -
MAN MONTHS (P./F.)	48 / -	60 / -	84 / -	168 / -	168 / -	168 / -

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

Project is to develop and operate an Alaska resource and science information acquisition and dissemination system in Anchorage. State funds to be supplemented by federal or foundation grants and subscription of industry, governmental agencies, native corporations and other private sector interests. Statements of need, interests and intent are on file from all these groups who have requested the University to develop this system. Expert evaluation indicates that the program would require only 100,000 in the first year to get it started.

IV. ATTACHMENTS

V. DATE: January 25, 1972 PREPARED BY: Harold A. Byrd

Original: Legislative Finance  
 cc: Budget and Management  
 Prime Sponsor (First Legislator Named)

*Sent Committee Dept*

PROPOSAL  
for partial support  
for establishment of an

ARCTIC ENVIRONMENTAL INFORMATION AND DATA CENTER  
at the  
University of Alaska  
College, Alaska

PURPOSE

The purpose of this proposal is to solicit financial support leading to the establishment of a central source of arctic information, in specialized and general fields, located in Alaska to serve the growing demands of industry, government, academicians, and the public. The approach to the establishment of the Center is set forth in the attached proposal of the Battelle Memorial Institute.

BACKGROUND OF NEED

*need*

Access to information sources on the North American Arctic in the sciences and technology appertaining to arctic understanding and development has always been and still remains difficult in Alaska. Reasons for this include: lack of a centrally managed U. S. program of arctic research and investigation; the absence of a primary arctic information source located in Alaska; and the unifunctional nature of past research and study conducted not only by U. S. investigators but also by individuals in other nations.

Prior to 1968 the requirement for information on the Alaska arctic environment and the human and natural resources of the region was almost totally military and academic. The discovery of oil in large quantities suddenly induced great demands for scientific, technological, resource, and human knowledge of the region. Other forces have also crystallized the need for functional source data on the arctic--its environment, people, and resources, including the real emergence of the Alaska Native as a political and cultural force in the affairs of the state and nation together with the urgency to settle their legal claims to lands and resources and to improve their education, health, and economic circumstance.

2. Secondly, the United States government, and the public generally, have developed a new awareness of broad environmental problems affecting the national way of life. As a result we as a nation have now begun to equate private and public values within a comprehensive concept of environmental systems and cause and effect relationships. For the arctic this requires knowledge of environmental systems and the manner in which man may properly live and thrive.

These and other situations such as emerging state and national conflict over land dedication in Alaska, growing international interest in the sciences and cultures of the circumpolar region, the United States-Canadian economic and resource interactions in the North American arctic all are causative agents bringing forth a demand for new arctic knowledge and the ready availability of existing information.

The current search for information is taxing the resources of available expertise within and without the state and is costing a tremendous expenditure of time and money by industry, government, and academic institutions. The lack of readily available information is also causing the emergence of public issues characterized by emotionalism and ignorance.

The capital intensive development of the Prudhoe Bay region is also generating forces for the opening of other regions of the Alaska arctic to development and resource extraction. New programs of research and investigation have begun, and new data and understanding is being developed. However, despite the generation of more and more information as demanded by established groups and new entrants on the Alaska scene, such information is extremely costly to procure without a central vehicle for its dissemination.

#### PRIOR AND CURRENT EFFORTS AND ENDORSEMENTS

The idea for an Arctic Information Center is not new in Alaska. It has been advocated for at least twenty years by several particular spheres of interest. Almost every Alaska Science Conference over a long period of years has urged the development of such a facility. Campus committees at the University of Alaska over the years have developed many proposals, and the National Science Foundation funded a feasibility study for such an effort, which resulted in positive endorsement, but follow-up action did not result.

A year prior to the Prudhoe Bay discovery an interagency meeting of the Federal Field Committee for Development Planning in Alaska discussed many of the environmental knowledge limitations being faced by government, industry, and academic institutions in northern regions of Alaska. The idea for a central arctic information source, located in Alaska, was discussed at this time. During 1968 following the discovery of arctic oil in commercially available quantities, the few arctic experts in Alaska, at the University and in government agencies, were literally deluged by industry representatives seeking arctic scientific, technological, natural resource, and Alaska native information. They continue to be in great demand and their activities are hampered by the time taken by those seeking information.

The situation is nearly intolerable for government and extremely costly for industry and researchers alike.

In October of 1968 the Federal Field Committee formally endorsed the proposition that an information center on arctic knowledge should be located at the University of Alaska. This federal endorsement and subsequent urgings from state agencies and industrial firms has led to the current proposal by Battelle.

National endorsement of this need also came at the Polar Planning Conference of the Arctic Institute of North America and Department of the Interior as recently as October 2, 1969.

### Funding

Since many diverse interests and objectives will be supported by the establishment of the Arctic Environmental Information and Data Center, several sources of funding are being sought within industry, selected federal agencies whose missions will be advanced, and from the State of Alaska.

An initial \$200,000 is required to activate this project. Full scale operation in succeeding years will require budgets between \$500,000 and \$800,000 annually depending upon growth rate and personnel plans. For example one federal agency has already indicated its desire to detail an informational scientist to the Center. Most financial support in the future will come from subscription arrangements.

PROPOSED RESEARCH PROGRAM

on

THE DEVELOPMENT OF AN ARCTIC  
ENVIRONMENTAL INFORMATION  
AND DATA CENTER (AEIDC)

to

THE UNIVERSITY OF ALASKA  
College, Alaska

May 15, 1970

BATTELLE MEMORIAL INSTITUTE  
Columbus Laboratories  
505 King Avenue  
Columbus, Ohio 43201

PROPOSED RESEARCH PROGRAM

on

THE DEVELOPMENT OF AN ARCTIC  
ENVIRONMENTAL INFORMATION  
AND DATA CENTER (AEIDC)

to

THE UNIVERSITY OF ALASKA  
College, Alaska

May 15, 1970

BATTELLE MEMORIAL INSTITUTE  
Columbus Laboratories  
505 King Avenue  
Columbus, Ohio 43201

May 13, 1970

Dr. Kenneth M. Rae  
Vice President  
Research and Advanced Study  
University of Alaska  
College, Alaska 99201

Dear Dr. Rae:

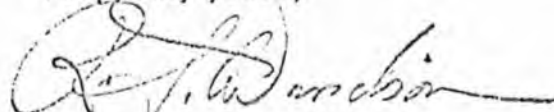
Enclosed are eight copies of our proposal titled, "The Development of an Arctic Environmental Information and Data Center (AEIDC)". This plan to structure and initiate the operation of an AEIDC is a most challenging and timely program. We at Battelle's Columbus Laboratories look forward to working with you and your associates in developing this Center which will provide technical assistance to the many individuals, organizations, and industries who look to your University for guidance and assistance.

The encouragement and helpful assistance so freely provided by Mr. David Hickok of the Federal Field Committee for Development in Alaska has been extremely valuable. It has been a real pleasure to work with one so committed to the importance of your University in Alaskan development.

If you have any questions concerning the proposal, please do not hesitate to contact me.

With best personal regards,

Very truly yours,



R. S. Davidson  
Director  
Bioenvironmental Sciences Program

RSD/jbs  
Enc. (8)

cc: Mr. David Hickok

## EXECUTIVE SUMMARY

The Columbus Laboratories of Battelle Memorial Institute (BCL) propose a program for the development and establishment of an Arctic Environmental Information and Data Center (AEIDC) for the University of Alaska. For the initial phase of the program, Battelle proposes a pilot-demonstration model of the Information Analysis Center concept. This concept, developed over the past 19 years to a high degree of sophistication by Battelle, provides a mechanism for the analysis and compression of large quantities of information and data for use by specific user audiences. Such analysis and compression are vital factors in aiding the future development of Alaskan resources and the continued progress of the State of Alaska. In addition, the information analysis center concept lends itself well to a relatively small, economical start, followed by subsequent phases of growth and scope expansion on the basis of detailed requirements which develop during actual operation.

The proposed program will result in the establishment of an AEIDC at the University of Alaska with the following goals:

- (1) To provide members of industry, academic institutions, Government Agencies, and the public with a source of objective information and data about the biological and physical sciences, and related engineering aspects of the Arctic
- (2) To foster the use of the information resource during conception and development of any program in which Arctic information and data is required
- (3) To serve as a communications medium to stimulate the interchange of information on Arctic science and engineering
- (4) To provide the various Research Institutes of the University of Alaska and other interested groups with a mechanism for documenting program accomplishments and with an institutional memory for facilitating transitions, such as those resulting from changes in personnel and program objectives
- (5) To provide information and data pertinent to decision-making processes such as resource zoning in conflict areas which could prevent the advocacy of multiple use
- (6) To establish an Arctic capability and visibility for the American Arctic as well as assist in the planning of circumpolar research involving foreign research participation.

To accomplish these goals, the AEIDC will utilize a team of information scientists and subject specialists in an adaptive and interactive environment that will provide the flexibility necessary for its mission. The implementation and initial operations functions will be conducted at Battelle's Columbus Laboratories over the 12-month contract period. The emphasis of the program, however, will be directed to developing an on-site facility for the University of Alaska.

The key steps in the proposed program are:

- (1) Implement a model scientific and technical information storage and retrieval system, conforming to the requirements for an AEIDC

BATTELLE MEMORIAL INSTITUTE - COLUMBUS LABORATORIES

- (2) Develop a specific information-acquisition program in areas of high priority selected jointly by the University of Alaska and BCL
- (3) Acquire information in accordance with (1) and (2) above and operate the model information analysis center on a limited basis
- (4) Develop recommendations for the subsequent phases required for expansion of the AEIDC to full-scale operations
- (5) Perform a limited response activity during the initial phase of the program.

This program is proposed for an initial 12-month period.

#### Expected Results

The specific significant outcome of this proposed program will be:

- (1) An Arctic Environmental Information and Data Center operating on a full design but limited operation basis
- (2) An input-processing rate by the end of the program approaching 200 documents per month, depending upon determinations made during the initial scoping and definition study
- (3) Quick-response activity to the degree permitted by the achieved input, giving an increasing "feel" for the scope and nature of information required for subsequent acquisition
- (4) Means for integrating the Center with other pertinent information sources such as "Arctic Bibliography" or "Bibliography on Cold Region Science and Technology", and others
- (5) Train key personnel, selected by the University of Alaska, in information and data-center techniques
- (6) Provide basis for future computer support of the information and technology system, if desired
- (7) Make specific recommendations for the action plan leading to full-scale operation of the Center in subsequent phases.

The ultimate capability of the Center will be to collect, review, analyze, appraise, summarize, and provide advisory and other user services concerning the available information/data related to Arctic science and technology. Emphasis will be given to the process of dissemination. The Center will be aggressive and dynamic so that its knowledge store and staff capabilities can be fully utilized for the benefit of the industry, Government Agencies, academic institutions, Arctic research community, and the public.

PROPOSED RESEARCH PROGRAM

on

THE DEVELOPMENT OF AN ARCTIC  
ENVIRONMENTAL INFORMATION AND DATA CENTER (AEIDC)

to

THE UNIVERSITY OF ALASKA  
College, Alaska

from .

BATTELLE MEMORIAL INSTITUTE  
Columbus Laboratories

May 15, 1970

INTRODUCTION

This proposal discusses the initial efforts necessary for the ultimate development and implementation of an Arctic Environmental Information and Data Center (AEIDC) for the University of Alaska as recommended by the Columbus Laboratories of Battelle Memorial Institute (BCL). The objectives of an AEIDC will be to provide a centralized information and data base in specified biological and physical sciences and engineering areas of importance to the advancement of arctic science and engineering. An AEIDC, through products and services such as state-of-the-art surveys, data summaries, responses to inquiries, specialized analyses, an inventory of on-going research projects, and other contributions, will provide vital and quick response support to research, development, and educational activities related to or dependent upon arctic science. An AEIDC will thus become a vital factor in the continued progress of the State of Alaska.

Some preliminary thoughts concerning the concept for an AEIDC and Battelle's philosophy and approach to the development of such an activity were discussed in the prospectus for an Arctic Science and Technology Information and Data Center which was submitted earlier. This proposal now discusses those specific activities concerned with the initial studies and the development of a pilot operation necessary for the development of an AEIDC. This proposal has been developed following discussions and correspondence between Mr. David M. Hickok of the Federal Field Committee for Development Planning in Alaska and Dr. R. S. Davidson of Battelle's Columbus Laboratories.

An interdisciplinary team composed of Battelle information scientists, ecologists, and environmental scientists will be formed to conduct the project. An interdisciplinary effort, such as this, assures not only the development of an effective information system, but also the development of a system that is responsive to specified scientific and technical needs.