



FISHERY INDUSTRIAL TECHNOLOGY CENTER

University of Alaska
Kodiak, Alaska

Dr. Jong S. Lee, Director
November 1982

*Annual Report
1981-82*

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Kodiak, Alaska 99615

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ACKNOWLEDGMENT

This report results from work sponsored by the Alaska Sea Grant College Program, cooperatively supported by the Office of Sea Grant and Intramural Programs, NOAA, U.S. Department of Commerce, under grant number NA81AA-D-00009, project number E/70-09; and, by the University of Alaska with funds provided by the state. The University of Alaska is an EO/AA hiring and educational institution.

TABLE OF CONTENTS

	<u>PAGE</u>
Foreward.....	v
Introduction.....	1
Administrative Activities	1
Facilities	2
Program Development	3
Personnel Transfers	3
Publications	4
Appendixes:	
A. Bylaws	5
B. Workshop Location Listing	9

FOREWARD

This report covers the first year of activity of the University of Alaska's newest fishery unit, the Fishery Industrial Technology Center. The establishment of the center represents a positive step by the State of Alaska and by the university in addressing the needs of the Alaska fishing industry.

Alaska's fisheries resources are the state's most valuable renewable resource. Future development of these resources will play a major role in the lifestyle and economy of the state. It is mandated that Alaska must provide for the well-being of this important industry.

This center will fill an important need by providing a trained work force to harvest and process Alaska's fisheries resources. The center will also provide needed information and techniques on new and adapted methods of operation for both the harvesting and processing sectors of the industry.

All of the world's fishing nations, except the United States, have centers similar to that being developed in Kodiak. These centers provide educational opportunities to the nation's fishermen, keeping the fishermen and processors abreast of the latest developments and techniques and in many cases these centers represent the principal research and development in support of that nation's industry.

A decade from now our industry should point north, to the Fishery Industrial Technology Center, as the nation's fishing technology center.

It is natural that Alaska lead the way in the development of such a center. Alaska fisheries resources are far greater than those of any other state and Alaska is the only place that extensive growth in this nation's fishing industry can occur.

Donald H. Rosenberg
Interim Director
1981-82

INTRODUCTION

The Fishery Industrial Technology Center was established by the University of Alaska on July 15, 1981. The center, created by the 12th Alaska Legislature, has the primary charge to create employment opportunities in the state's fishing industry. These opportunities are to be stimulated by providing training opportunities on the most efficient and appropriate technologies for the harvesting, processing and conservation of Alaska's fisheries resources. The center also provides for research and development activities to adapt existing technologies and to create new technologies which will enhance the effectiveness of the industry.

Activities of the center during this period were directed toward the establishment of the center's administrative structure, toward facilities planning, and toward the establishment of the center's initial educational programs.

Although the activities were primarily handled out of the university Office for Fisheries in Fairbanks, an office was established in Kodiak and planning was structured through the center's parent organization, the Community Colleges, Rural Education and Extension component of the university.

ADMINISTRATIVE ACTIVITIES

With the establishment of the center, university president Jay Barton appointed Mr. Donald H. Rosenberg as the interim director of the center. The president directed the interim director to proceed with establishing the necessary administrative structure and to be prepared to implement active programs under the center by July 1, 1982.

Policy Council

As called for in the legislation, guidance for the center is provided by a policy council. This council is composed of seven members; two who represent the fishing industry, two who represent the processing industry and three who serve at large.

In September 1981, president Jay Barton implemented the center's first policy council by appointing the following individuals to serve two-year terms:

Ken Allread
General Manager, Western Alaska Fisheries
Kodiak, Alaska

Alan Beardsley (Council Chairman)
Businessman
Commercial Fisherman
Kodiak, Alaska

Donald E. Bevan
Fisheries Scientist, Professor
University of Washington
Seattle, Washington

Robert Blake
President, Cordova Aquatic Marketing Association
President, United Fishermen of Alaska
Commercial Fisherman
Cordova, Alaska

David Herrnsteen
Commercial Fisherman
Kodiak, Alaska

Melvin Monsen (Council Vice Chairman)
Biologist, Bering Sea Fishermen's Association
Anchorage, Alaska

Thomas E. Thompson
President, Sitka Sound Seafoods, Inc.
Sitka, Alaska

The Policy Council held four meetings during the center's first year (October 9, 1981, December 10, 1981, March 26, 1982 and May 28, 1982). Principal activities of the center were organized during the first two meetings including the development of council bylaws (Appendix A). The other meetings were directed toward review of facilities and program plans.

Director Search

By December 1981 the search for a permanent director for the center was underway. Extensive advertising statewide, nationally and internationally was undertaken; twenty-six applications were received.

By June applications had been screened. Arrangements were made for personal interviews with the two most qualified applicants. (Note: Dr. Jong S. Lee, Professor of Food Science at Oregon State University, was employed as the center's first director in September 1982).

FACILITIES

Temporary Facilities

Temporary office facilities were acquired in Kodiak in order to house the center's personnel. Facilities are located in Tony's Office Building in downtown Kodiak, with the offices of the university's Marine Advisory Program and Cooperative Extension Service. Initial discussions were started with the National Marine Fisheries Service for use of a portion of their laboratory facilities at Gibson Cove and at the U.S. Coast Guard base.

Facilities Planning

Planning for the center's permanent facilities was implemented through the university's Office of Facilities Planning and Construction. Three phases of construction were identified to provide for uniform growth of the center's facilities and activities.

Phase I includes construction of classrooms, laboratory and office facilities to support the initial training and research programs in fishery systems and seafood sciences. Phase II includes transient housing, warehouse and support facilities. Phase III includes expansion of the seafood science facilities and the addition of a harvesting technology building, including a flume tank.

Detailed planning and design of Phase I facilities was implemented. The Policy Council appointed a facilities and site selection committee to work with university planners in the development of the details for Phase I. Members were:

Donald H. Rosenberg, Chairman
Melvin Mosen, FITC Policy Council
Donald E. Kramer, UA Marine Advisory Program
Allan Adasiak, Kodiak Community College
John P. Doyle, UA Marine Advisory Program
Ed Lapsley, UA Facilities Planning

Detailed descriptions, uses and needs for all assignable space and conceptual drawings and a model of the facilities were developed. Cost estimates and building schedules were completed. Final planning and design criteria were approved by the committee and the university in August 1982.

PROGRAM DEVELOPMENT

At its second meeting, the Policy Council identified the need to have educational programs operational by July 1982. A program planning committee was appointed. Members were:

Alan Beardsley, FITC Policy Council
John Doyle, University of Alaska Marine Advisory Program
Norm Holm, Marine surveyor
Rick Lauber, North Pacific Fish Processors Association
Rodger Painter, United Fishermen of Alaska
Chuck Jensen, Seafood processor
Ed Lapsley, University of Alaska Office of Facilities Planning and Construction
Chris Bublitz, FITC project coordinator

This committee's initial discussion was on the long-range program needs of the center.

The FITC staff, in conjunction with the Marine Advisory Program, developed an initial list of courses which could be offered. The list was reviewed and a 1982-83 program approved. Course titles by location are provided in Appendix B. The first course was scheduled for August 1982.

PERSONNEL TRANSFERS

In order to be able to implement the activities of the center, the university transferred the specialist positions within the Marine Advisory Program to the technology center. Transferred were:

Dr. Donald E. Kramer, Food Science
Mr. Craig S. Wiese, Business Management
Mr. Henry M. Pennington, Fisheries Development
Mr. Curtis L. Kerns, Aquaculture
Mr. Alexie Pavilla, Western Alaska Fisheries

The transfers were effective July 1, 1982.

PUBLICATIONS

1. "Planning and Design: Fishery Industrial Technology Center, Kodiak Alaska FTC-81 cod", Facilities Planning and Construction, Southcentral Region, University of Alaska, Anchorage, Alaska, June 1982 (Phase I facilities detail).
2. "Catalog 1982-83", Fishery Industrial Technology Center, University of Alaska, June 1982 (workshop catalog).
3. "Facilities Summary - Fishery Industrial Technology Center", University of Alaska, Kodiak, Alaska, February 1982 (facilities and land planning brochure).
4. "Fishery Industrial Technology Center", University of Alaska, Kodiak, Alaska, May 1982 (informational brochure).
5. "Facilities, Costs and Personnel Projections", Fishery Industrial Technology Center, Kodiak, Alaska, November 1982.

APPENDIX A
BYLAWS OF THE FISHERY INDUSTRIAL
TECHNOLOGY CENTER POLICY COUNCIL .

I. Council Organization

A. The Center

The Center was established (Sec. 16.12.020.) to: 1) provide training on the most efficient and appropriate technologies for harvesting, processing and conservation of fishery resources; 2) provide information and technical assistance on existing and new technologies to users of the state's fishery resources; and 3) develop new technology and conduct research on existing and new technologies in order to enhance the industry's economic viability and effectiveness in harvesting and utilizing the state's fishery resources.

B. The Policy Council

1. Charge. The Fishery Industrial Technology Center Policy Council is appointed by the President of the University of Alaska and charged with providing the Center with program and planning guidance (Sec. 16.12.030). It will be the responsibility of the Policy Council Chairman to report back to the President on the Center's progress on an annual basis.
2. Members. Sec. 16.12.030. of the Alaska Statutes states that the Council will consist of seven members, appointed by the president of the University of Alaska. Two members will be appointed from the processing sector, two from the harvesting sector, and three from the public. At least five members will be residents. Each member will be appointed for a two-year term.
3. Geographic Representation. Those Council members who are Alaskan residents, to the greatest extent possible, shall be representative of the various geographic areas of the state.
4. Center's Director. An ex officio and non-voting member of the Council will be the Center's Director.
5. Compensation. Each Council member will be compensated for actual transportation expenses and University per diem for attending Policy Council meetings or for other purposes approved by the Council's chairman.
6. Officers. The officers of the Council will consist of a Chairman and Vice-Chairman. The Center's Director will act as executive secretary of the Council. Officers will be elected by a simple majority and serve for two years. They may be removed by simple majority. If an office is vacated it will be filled immediately at the same or next meeting and the new individual serve the remainder of the office's term.
7. Committees. Four permanent committees of three members each are established by the Policy Council. At least one Council member will be on each committee. They will act as focal

points and recommend to the Council appropriate actions. These committees are: problems in industrial processing, problems in harvesting, education, and research.

Special ad hoc committees may be formed as warranted.

The Center Director or his designee will act as an ex officio member of each committee. Individuals appointed to committees will serve for two years, expiring concurrently with terms of other members. Committee meetings will be held prior to and conducted in a similar manner to Council meetings (Section 8 on Meetings).

8. Meetings. Regular council meetings will be held three times a year, one of which will be with the Center's staff (see II. B.). Special meetings may be held at the call of the Chairman. Meetings will be held at the Center or at other locations within the State as determined by the Council; notice of meetings will be 30 days prior to regular meetings and 10 days for special meetings; and a quorum of four members must be present for business to be conducted.

9. Duties.

a. Chairman - The Chairman shall preside at all Council meetings and appoint committee members and their chairmen. The Chairman shall perform other duties as may be necessary for the function of the Council.

b. Vice-Chairman - In case of the Chairman's absence for any reason or resignation, the Vice-chairman will perform all duties of the Chairman until his return or replacement.

c. Executive Secretary - The Center Director as executive secretary of the Council will assist the Chairman in establishing Council and committee meetings, prepare minutes of meetings, prepare notification of meetings, prepare a balance sheet showing expenditures to date at each Council meeting, brief new appointees as to the Center's past activities and purposes and generally orient the new appointee. Other duties will be as prescribed by the Council.

10. Voting. All Council members will have one vote.

II. Duties of the Council

A. The Council will provide the Center's staff with assistance and advice as industry experts in the development and continuation of the Center's education, training and research activities. This will be done through formal and informal mechanisms and every effort should be made by Council members to represent all interested industry people.

- B. At least one meeting per year will be held with the Center's staff in group discussion sessions to examine past activities and potential new directions.
- C. The Council will review all applicants for, and recommend to the University an individual as, Director. All potential faculty appointments by the Director will be reviewed by the Council.
- D. The Council will review the Center's annual report on past research and training activities and when approved, it will be forwarded to the University President who will forward it to the Board of Regents. Any new directions suggested by the staff will be reviewed as to feasibility, practicality and industry needs.
- E. The Council will review, amend and make recommendations to the University President on the annual operating and capital budget for the Center.

III. Amendments

These bylaws may be amended at any duly constituted meeting of the Policy Council by a two-thirds' vote of the members present. Notice of proposed amendments shall be mailed at least thirty (30) days for regular meetings prior to the meeting to each member. Such notice shall include the exact wording of the proposed amendment and shall include the name(s) and address(es) of the proponent(s).

APPENDIX B
WORKSHOP LOCATION LISTING

	Cordova	Dilling- ham	Dutch Harbor	Homer	Kenai	Ketch- ikan	Kodiak	Metla- katla	Naknek	Peters- burg	Sitka	Unalakleet	Yakutat
Business Management for Fishing Vessel Owner/Operators	X			X	X		X						
Construction of Gillnets and Purse Seines	X	X							X				
Filetting and Trimming												X	
Fish Finding Electronics						X							
Fish Plant Cleaning and Sanitation Procedures			X				X						
Fisheries Meteorology	X	X											
Fisheries Oceanography							X			X		X	
Fishing Vessel	X	X		X			X			X		X	
Electrical Systems													
Low Temperature													
Preservation of Seafoods	X			X	X		X			X		X	
Maintaining Quality Aboard the Fishing Vessel		X						X					X
Net Mending	X	X											
Quality Assurance and Control in the Seafood Processing Plant	X		X					X					
Topics in Fishing													
Vessel Safety		X				X				X			
Water Safety, Life Rafts, and Survival Suits		X				X				X			