

Marine Science Center



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May 16, 1979

MEMO TO: Marine Science Commission

FROM: Lavern J. Weber

SUBJECT: *Lavern J. Weber*  
Summary of Academic Year 1978-79 at OSU Marine Science Center

- 1) Establishment of the "Marine and Freshwater Biomedical Center" (MFB). Funded through the National Institute of Environmental Health Science at about \$100,000 a year for four years, Aug. 1978-1982. This will support some faculty salaries on the main OSU campus and at the MSC. It will provide an additional full-time Assistant Professor/Senior Researcher, Dr. John R. Smith, who will join the MSC faculty this Spring, 1979. The summary of the proposal was reviewed in the 24 Jan. 79 report to the Marine Science Commission.
- 2) Aquaculture Education Program. This year is our first effort in development of course offerings in aquaculture. These offerings will be in relationship to algae, invertebrate and vertebrate culture. Nutrition, fish disease, engineering and economic aspects of aquaculture are also being offered. The classical marine science-oriented courses such as invertebrate zoology are being continued.
- 3) The Newport Aquaculture Laboratory facility is under construction and should be completed on schedule by October 1979. Research aspects of aquaculture from the Department of Fisheries and Wildlife will move into the new facility. Dr. Lannan and Mr. Breese will move entirely. The Fish Disease program, Dr. Fryer, Dept. of Microbiology, and Dr. Olson of Fisheries and Wildlife will also move to the disease isolation wing of the new building.
- 4) Dr. Irvin Isenberg, Dept. of Biochemistry and Biophysics has established a sea urchin culturing facility. The culturing of the urchins will be used in studies concerning cellular differentiation. The University of Oregon Medical School, Dr. R. Bacon, has expressed interest in utilizing the urchins for his developmental work.

- 5) The Center has received a private scholarship for student "interns" interested in public education. This will aid our summer program in the museum and workshops. The scholarships, two at \$500 each are in memory of Mrs. Joan Crebbin and will be for that amount for an indefinite period.

### Future Plans

A dormitory unit is planned for construction as soon as a clear need for additional student housing is established.

Reconstruction of the "Estuary" panel in our public museum is planned for the summer of 1979.

Oregon State University is continuing to develop the Marine Science Center into a major facility for instruction, research and public service in marine science.

### 78-79 Summary

#### Summer 1978 Class Enrollment

#### No. Enrolled

Z 451/452 Invertebrate Zoology	10
Mb 450/451 Marine Microbiology	3
Oc 507m Seminar: Current Topics in Oc	8
FW 571 Functional Ichthyology	7
FW 572 Systematics of Fishes	5
FW 507m Seminar: Fisheries Population Biology	16
Oc 442/443 Marine Zooplankton	7

#### Spring 1979 Class Enrollment

FW 431 Dynamics of Marine Biological Resources	12
FW 455 Fish Culture	6
Mb 492/493 Diseases of Fish	6

#### Schools Utilizing and Visiting MSC

Oregon State University	60
Eastern Montana College	25
Chemeketa Community College	7
Reed College	20
Wartburg College, Iowa	15
Whitman College, Washington	15
Utah State University	20
Boise State University	9

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Resident Graduate Students

No.

14

Visitors to the Museum

January 1, 1978 - December 31, 1978 = 382,000

Primary and Secondary School Children on Extension  
Education Programs - Fall and Spring 1978 = 1645  
Summer, 1978 = 200

Financial Statement

<del>79</del> <sup>80</sup> Expenditures	(000)	%
Federal and Private Grants/Contracts -		
NIH	55 161	
DOE	<del>128</del> 100	
EPA	<del>9</del>	
NOAA	<del>47</del> 535	
→ Ship Operations		
NSF, ONR, DOE, NOAA	<u>1,100</u> 900	
Total Federal Grants/Contracts	<u>1,802</u> 1696	54 51
Cooperating Agencies -		
EPA	<del>150</del> 250	
ODFW	<del>800</del> 700	
Total Cooperating Agencies x	<u>750</u> 950	<del>28</del> 28
State and University -		
Operations & Maintenance	<del>275</del> 275	
Museum and Aquarium	<del>78</del> 50	
Administration	<del>117</del> 131	
Library	<del>7</del> 30	
Oceanography	<del>2</del> 29	
Fisheries and Wildlife	<del>2</del> 12	
Extension Service	<del>38</del> 30	
Sea Grant (State)	<u>191</u> 156	
Total State x	<u>747</u> 713	<del>21</del> 21
TOTAL ALL SOURCES	<u>3,299</u> 3,359	100

Note: ~~NOAA/National Marine Fisheries Service is investing 2,866,000 in the Newport Aquaculture Laboratory at the MSC during FY 79 as follows:~~

Capital Construction	<del>2,716</del>
Technical Equipment	<del>150</del>
	<u>2,866</u>

- Notes:
- 1) The NOAA/NMFS Newport Aquaculture Laboratory was completed in December 1979 at a total cost of \$2,866,000; it is being operated for NOAA by OSU.
  - 2) The NOAA/NMFS Newport Research Support Facility is being designed and constructed by OSU for NOAA under a \$2,750,000 contract; construction will begin in October 1980.
- ① Sponsored research at MSC generated approximately \$265,000 in overhead during FY80