

Marine Science Center



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May 28, 1980

MEMO TO: Marine Science Commission

FROM: Lavern J. Weber

SUBJECT: Summary of Academic Year 1979-80 at OSU Marine Science Center

- 1) The NOAA/National Marine Fisheries Service's Newport Aquaculture Laboratory was completed in 1979 at a total cost of \$2,866,00 and is now being operated for NMFS by Oregon State University. Fisheries and Wildlife has moved to the facility as has Dr. Fryer's program in Microbiology and Dr. Olson's parasitology. Plans are that in June, Dr. George Boehlert from Oceanography will be moving into the facility where he will conduct research on larval fishes. Dr. Edward Schaefers from NMFS in Seattle was resident NMFS director to coordinate moves and to facilitate cooperative research programs between NMFS and OSU. Mr. Schaefers returned to Seattle in March, 1980.
- 2) The NOAA/NMFS Newport Research Facility is presently under design with bids planned to open late this summer and construction beginning in the Fall of 1980. This facility is designed to be for more general marine research efforts. Its total cost is projected to be \$2,750,000.
- 3) The Environmental Protection Agency has leased from OSU the west wing of the original building of the Marine Science Center. This comprises approximately 10,000 square feet of laboratory and office space. The EPA is moving their entire marine division from Corvallis to Newport. They project their total staff will range between 22 and 33 professionals.

4) Education Program

This spring we began for the first time the Marine Biology course program. It is now required of all undergraduates at Oregon State University majoring in Marine Biology that they spend at least one quarter at a marine station. This course was developed for that requirement here at OSU. Our initial enrollment is 15 students.

This spring we also have the Aquaculture educational program which is sponsored by Fisheries and Wildlife through the School of Agriculture. The enrollment in these courses totaled 12 students.

Starting Winter term, 1981, the Fisheries and Wildlife Aquaculture program will shift to Winter quarter from Spring quarter. This will relieve the demands on the dormitories at the Marine Science Center. Below is a list of courses to be given during winters of 1981 and 1982.

1980/1

FW 455 Fish Culture
FW 466 Invertebrate Fisheries
FW 494 Parasites and Diseases of Marine Fishes
FW 495 Molluscan Culture
FW 407 Seminar
FW 431 Dynamics of Marine Resources

1981/2

FW 455 Fish Culture
FW 466 Invertebrate Fisheries
FW 494 Parasites and Diseases of Marine Fishes
FW 495 Molluscan Culture
FW 407 Seminar
FW 320 Population Dynamics

5) New Faculty

Mr. Roger Hart, from the School of Oceanography, has moved his research in geochemistry from the main campus to the MSC.

6) The new Estuary Panel was completed in the museum this past year. The museum was painted, the bookstore remodelled and, in general, had a face lifting.

7) We have again received a donation for two private scholarships for student interns in the public education program. The scholarship will pay summer tuition.

8) Future Plans

1. Initial funds have been given by OSU's Foundation Office to do schematics for additional student housing. We are hoping

that fund raising will permit construction to begin on this housing within the next year.

2. Food Science and Technology plans to house a fish nutritionist at the Marine Science Center effective July 1, 1980.
3. The Oregon Marine Resources panel in the museum is scheduled for repair this summer. New rails will be installed to protect the museum panels from the pressures of the public.

STATISTICS

Spring 1979

FW 431	Dynamics of Marine Biological Resources	12
FW 455	Fish Culture	6
Mb 492,3	Diseases of Fish	6
TOTAL:		16

Summer 1979

AE 407	Ag. Engr. Seminar	3
Bot 480	Marine Algae	7
Mb 450,1	Marine Microbiology	2
Z 451,452	Invertebrate Zoology	9
Bot 485X	Taxonomy and Ecology of Marine and Est. Dia.	10
Mb 492,3	Diseases of Fish	2
FW 507	Seminar	3
TOTAL:		23

Spring 1980

Bi 450,451X	Marine Biology	15
FW 455	Fish Culture	11
FW 495X	Molluscan Aquaculture	12
FW 466	Invertebrate Fisheries	10
FW 505	Fish Toxicology	10
TOTAL		28

Summer 1980 (as of 5/28/80)

AE 407/507	Ag Engr. Sem.	6
Bot 480	Marine Algae	5
Ed 521 m,n,o	The World of Water (Educ.)	5
FW 455	Fish Culture	11
FST 451	Current Topics in Food Science	2
Z 451,452	Invertebrate Zoology	4
FW 571	Functional Ichthyology	7
Bot 485X	Taxonomy and Ecol. of Mar. and Est. Dia.	5
FW 494X	Diseases and Parasites of Mar. Fishes	2
FW 495X	Molluscan Aquaculture	6
TOTAL:		38

Resident Graduate Students

12

Schools Utilizing and Visiting the MSC

Merced College	42
Utah State University	11
Chemeketa Community College	20
Hermiston High School	19
Oregon Dept. of Education	5
Oregon College of Education	11
Eastern Montana College	10

Visitors to the Aquarium/Museum

January 1, 1979 - December 31, 1979 = 330,381

246 different school groups have utilized the Extension Education programs for a total of 11,638 participants.

Financial Statement

<u>Estimated FY 80 Expenditures</u>	<u>(000)</u>	<u>%</u>
Federal and Private Grants/Contracts --		
NIH	161	
DOE	100	
NOAA	535	
Ship Operations		
NSF, ONR, DOE, NOAA	<u>900</u>	
Total Grants/Contracts	1,696	51
Cooperating Agencies --		
EPA	250	
ODFW	<u>700</u>	
Total Cooperating Agencies	950	28
State and University --		
Operations & Maintenance	275	
Museum and Aquarium	50	
Administration	131	
Library	30	
Oceanography	29	
Fisheries and Wildlife	12	
Extension Service	30	
Sea Grant (State)	<u>156</u>	
Total State	<u>713</u>	<u>21</u>
TOTAL ALL SOURCES	3,359	100

Sponsored research at MSC generated approximately \$265,000 in overhead during FY 80.