

Marine Science Center



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April 30, 1982

MEMO TO: Marine Science Commission

FROM: Lavern J. Weber, Director, Marine Science Center

SUBJECT: *Lavern J. Weber*
Summary of Academic Year 1981-1982 at OSU Marine Science Center

BUILDINGS

The National Oceanographic and Atmospheric Administration/National Marine Fisheries Service Research Support Facility was completed late fall, 1981, on schedule. Our weather station under the guidance of Mr. Clayton Creech moved to this facility as has the research activities of the resident faculty, Drs. George Boehlert, Bruce Mate and Roger Hart. In addition, we have Drs. Simoneit, Quatrano, and Percy utilizing some of the research facility. To a large extent this facility is underutilized, as of this spring, 1982. Both NMFS buildings are operating under a continuing Memorandum of Understanding between the NMFS and OSU.

Two new faculty, Dr. George Mpitsos and Dr. Joseph Siebenaller, have occupied space in the original MSC building.

With a steady, but slow, growth in our student classes, we continue to project a need for further housing.

EDUCATION PROGRAM

Both our winter and spring courses are continuing to grow in size, but more importantly are growing in reputation. Student evaluations of both our spring and winter terms have been outstanding and the students are rapidly becoming our ambassadors for these two courses.

During this coming summer, 1982, we have elected to repeat both the winter and spring terms. This has led to the dropping of a number of traditional courses which had been given here at the Marine Science Center. The courses eliminated were: Invertebrate Zoology (Z 451/452), Marine Algae (Bot 480), Taxonomy and Ecology of Marine and Estuarine Diatoms (Bot 485), and The World of Water (Ed 521m, n, o). These courses particularly will be covered by the repetition of the Marine Biology course (Bi 450X, 451X). Our current enrollment for the summer, as of writing this, is only ten (most of these in Fisheries courses), we have verbal commitment from about 12 Marine Biology students. We feel that building on the strength of our winter and spring programs, this will increase our summer program.

A summary of student numbers and enrollments is given in the Statistics section of this memorandum.

FACULTY

Dr. Joseph Siebenaller was hired this past year by the School of Oceanography as a biological oceanographer. His research efforts are in the area of hyperbaric adaptation of the animals found in deep waters. Dr. Siebenaller was hired as an assistant professor.

Dr. George Mpitsos comes to us through the Oregon Health Sciences University. He is working on learning and behavior through an Air Force contract. He is entirely on research monies.

Dr. Thomas Sabourin joins the Marine and Freshwater Biomedical Center on a Post-Doctoral Fellowship awarded through the National Institute of Environmental Health Sciences. Dr. Sabourin will be working on metallothionein in marine fishes and how heavy metals affect this mechanism of detoxification.

Dr. David Bernard has left the Marine Science Center for a position in Anchorage, Alaska. As our resident expert in computers and population dynamics, he is going to be missed. Fisheries and Wildlife has indicated that they will not be replacing Dr. Bernard. This represents a loss to the MSC resident faculty in this area.

Professor Wilbur Breese has indicated that in January, 1983, he will be going to half-time, with that half-time divided between Extension activities and teaching. Fisheries and Wildlife has again indicated that his position will not be refilled, and so this represents an end of the traditional molluscan research here at the Marine Science Center. Again, this area will be missed both by the Marine Science Center, the local community, and the Pacific Northwest.

A list of Center investigator publications is presented on page 7. This is an addition to the usual Marine Science Commission Report. We have included publications for 1980-81 and 81-82.

AQUARIUM/MUSEUM

We continue to try to keep up with the maintenance and general facelifting of the aquarium/museum. A grant has been submitted to the Gannett Foundation to update one of the large displays. Our attendance to the aquarium/museum has increased this past calendar year reaching over 345,000 visitors.

FUTURE PLANS

As mentioned above, we will continue our efforts to obtain adequate funding for additional student housing. No other facilities are projected at this time.

During this past year, we have had to close our boat ramp which was badly undermined during the past winter's storms. Because of tight

budgets, we have informed faculty that they will have to utilize the South Beach Marina Boat Ramp, which has a \$3.00 fee for unloading. In this respect, our small boat dock is also in very bad repair, and we feel that by this winter, we may have to close and remove the boat dock. Replacement would be in excess of \$20,000 and feel that we cannot afford replacement. Researchers with special boat moorage needs in the future would have to include the cost of this moorage and rent space at the South Beach Marina or other commercial.

It is now the intention that early this coming fall, the NMFS will be placing an investigator in their facility here in Newport. This investigator (Dr. Bori Olla) is being transferred to the Marine Science Center from an east coast facility.

On May 22, 1982, we will have a dedication of NOAA's/NMFS's buildings. Dr. John V. Byrne, Administrator for NOAA and Senator Mark Hatfield will be guest speakers

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.

STATISTICS

STUDENT ENROLLMENT

Winter 1981

FW 405B/505B	Diseases and Parasites of Marine Fishes	4
FW 405A/505A	Molluscan Aquaculture	8
FW 455	Fish Culture	9
FW 407C	Seminar (Fish Management)	7
FW 466	Invertebrate Fisheries	8
FW 405m/505m	Fish Toxicology	5
FW 431	Dynamics of Marine Biological Resources	7

Total Student Enrollment 14

Spring 1981

Bi 450X, 451X	Marine Biology	16
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Summer 1981

AE 450X	Aquaculture Engineering	10
AREc 408	Marine Economics	4
Bot 480	Marine Algae	3
Bot 485X	Taxonomy and Ecol. of Marine and Estuarine Diatoms	6
Ed 521 m, n, o	The World of Water	8
FW 455	Fish Culture	6
FW 495X	Molluscan Aquaculture	10
FW 507m	Seminar	5
Z 451, 452	Invertebrate Zoology	2

Total Student Enrollment 37

Winter 1982

FW 455	Fish Culture	14
FW 466	Invertebrate Fisheries	12
FW 494	Diseases and Parasites of Marine Fishes and Invertebrates	8
FW 495	Molluscan Aquaculture	7
FW 320	Population Dynamics	9
FW 407C	Seminar	9
FW 555	Fish Genetics	7

Total Student Enrollment 20

Spring 1982

Bi 450X, 451X	Marine Biology	15
Cc 546X	Early Life History of Marine Fishes	11

Total Student Enrollment 26

Statistics, continued

Summer 1982 (as of 4/22/82)

AE 450X	Aquacultural Engineering	4
FW 455	Fish Culture	4
FW 495	Molluscan Aquaculture	5
FW 507m	Seminar	2
FW 571	Functional Ichthyology	0
Bi 450, 451	Marine Biology	4

Total Student Enrollment	10
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Resident Graduate Students (current)	12
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ACADEMIC INSTITUTIONS UTILIZING THE MSC
1981

Oberlin College	1
College of Idaho	24
Western Oregon State College	15
Whitman College	12
Weber State, Utah	14
Willamette University	10
Montana State	15

AQUARIUM/MUSEUM VISITORS

January 1, 1980 - December 31, 1980 = 328,220

January 1, 1981 - December 31, 1981 = 345,163

271 different school groups have utilized the Extension Education Programs for a total of 12,000 participants.

LJW:as

PUBLICATIONS

1980-81 and 1981-82

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Boehlert, G. W. and R. F. Kappenman. 1980. Variation of growth with latitude in two species of rockfish, Sebastes pinniger, from the northwest Pacific Ocean. *Marine Ecology; Progress Series* 3:1-10.

Boehlert, G. W. 1981. The role of temperature and photoperiod in the ontogenetic migration of prejuvenile Sebastes diploproa (Pisces: Scorpaenidae). *Calif. Fish. Game* 67:164-175.

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