

GEORGE R. ARIYOSHI
GOVERNOR OF HAWAII



DIVISIONS:
CONVEYANCES
FISH AND GAME
FORESTRY
LAND MANAGEMENT
STATE PARKS
WATER AND LAND DEVELOPMENT

STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES

DIVISION OF FISH AND GAME
1151 PUNCHBOWL STREET
HONOLULU, HAWAII 96813

February 16, 1978

Mr. Homer O. Porter, Head
Biosciences Department
Naval Ocean Systems Center
San Diego, CA 92152

Dear Mr. Porter:

This is in response to your letter of February 6, 1978 informing us of the unfortunate death by hyperthemia of the 13 green sea turtles which were being used for your chemoreception studies.

With respect to disposition of the specimens, we contacted Mr. George Balazs of the Hawaii Institute of Marine Biology, University of Hawaii, who is engaged in studies on the Hawaiian green sea turtles. Mr. Balazs has indicated interest in the turtles, and by copy of this letter, I am requesting that he contact you directly on this matter for details of his needs and arrangements for shipment thereof. It is our understanding that he is interested in obtaining some of the skeletal portions, primarily the flippers, for age determination studies.

We have no objection to your donating any remaining turtles or parts to the universities that you mention. We will be looking forward to receiving copies of your reports on the studies conducted on the turtles.

Yours truly,

KENJI EGO, Director
Division of Fish & Game

KE:PK:rfm

cc: ✓ George Balazs



DEPARTMENT OF THE NAVY
 NAVAL OCEAN SYSTEMS CENTER
 SAN DIEGO, CALIFORNIA 92152

IN REPLY REFER TO:

5124/WFF:bss
 MM01518G
 Ser 5111/22
 6 FEB 1978

| | |
|-------------|-------------------------------------|
| DIVISION | |
| DIRECTOR | <input checked="" type="checkbox"/> |
| FISH. CHIEF | <input checked="" type="checkbox"/> |
| WILD. CHIEF | |
| ENR. CHIEF | |
| FISH. SR. | <input checked="" type="checkbox"/> |
| WILD. SR. | |
| ENR. SR. | |
| OFF. ST. | |
| SECRET | |
| FED. A. | |

Mr. Michio Takata, Director
 Division of Fish and Game
 Department of Land and Natural Resources
 1179 Punchbowl St.
 Honolulu, HI 96813

Re: Permit No. SC 75-6 to Dr. William F. Flanigan, Jr. issued
 20 February 1975

Dear Mr. Takata,

This letter is to inform you of the recent death of thirteen captive Hawaiian *Chelonia mydas*, tag numbers 26-29 and 31-39. Cause of death was hyperthermia caused by a malfunction in the heating system for the animal's pool during a period of extremely heavy rain fall. The malfunction occurred sometime over a weekend (between Saturday night and early Monday morning) and was not discovered until 0800 Monday morning (animals were normally fasted on Sundays during the Winter). All identification tags had come off the animals at the time of their death (most tags fell off within 4-6 months of their attachment). Tag numbers 26, 34, 35 and 37 are enclosed. The others have been lost as a result of being sucked down the discharged water drain of the animal's pool before they could be retrieved.

Following (pathological examinations) turtle bodies were placed in a freezer and will remain there pending a decision by you as to their disposition. We have had several requests from Departments of local Universities expressing interest in tissue samples, and I feel that disposition of turtle bodies to these Departments would be very beneficial and helpful to other investigators.

At the time of their demise, the animals were in apparent good health and studies of their chemoreception capabilities had been nearly completed. Your office, of course, will be furnished with copies of all published and unpublished reports dealing with data collected from sea turtles obtained through use of this permit.

I look forward to hearing from you soon.

Sincerely,

Homer O. Porter

HOMER O. PORTER
 Head, Biosciences Department
 By direction of the Commander,
 Naval Ocean Systems Center

RECEIVED
 FEB 10 1978
 Div of Fish & Game

NAVAL OCEAN SYSTEMS CENTER

San Diego, California 92152

11 May, 1978

Dr. George H. Balazs
Hawaii Institute of Marine Biology
University of Hawaii at Manoa
Kaneohe, Hawaii 96744

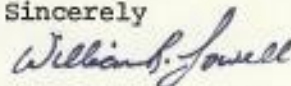
Dear Dr. Balazs:

I delivered two large boxes of Chelonia mydas material to our shipping department this p.m. Air shipment was requested so hopefully this material will arrive in Hawaii soon. The measurements you requested are given below with the exception of weight. All carcasses were severely bloated and water-logged when I first discovered them, and were immediately placed in the freezer. This procedure prevented any accurate weight determination at the time of your request.

Included in the shipment are two carapaces, and the excised heads and limbs from eight specimens. I believe I left the tag out of the bag containing head #3, all other pieces should be labeled or have a tag enclosed in the bag with material. The carapaces are labeled 1 and 2, and go with head and limbs numbered 1 and 2 respectively.

I will provide you with copies of reprints or publications involving our work when they are forthcoming. In the meantime I hope this material will assist you in your Chelonia research. If we can assist you further please contact me (or W.F.Flanigan).

Sincerely



William R. Lowell
Biomedical Branch
Code 5131
Naval Ocean Systems Center
San Diego, California 92152

DEPARTMENT OF THE NAVY

William R. Lowell
Biomedical Branch
Code 5131
Naval Ocean Systems Center
San Diego, California 92152

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

| Specimen | Curved line carapace length | Straight line carapace length | Width |
|----------|--------------------------------|----------------------------------|-------|
| 1,2 | carapace shipped | - | - |
| 3 | 74cm | 72cm | 68cm |
| 4 | 70 | 64.5 | 65 |
| 5 | 69 | 62 | 58 |
| 6 | 67 | 62 | 53 |
| 7 | 75 | 72 | 70 |
| 8 | 74 | 71 | 61 |

no weights

sex-no internal examination performed, the tails are left on the carapaces shipped for your estimate of sex, all specimens had similar sized tails, none were noticeably longer than the posterior carapacial margin (= female or immature ??)

REQUISITION AND INVOICE/SHIPPING DOCUMENT

1. FROM: **166881 HAWAII OCEAN SYSTEMS CENTER, SAN DIEGO, CA 92152**

2. TO:

3. SHIP TO - MARK FOR **196394 UNIVERSITY OF HAWAII HAWAII INSTITUTE OF MARINE BIOLOGY MAHONA, KANEHOE BAY, OAHU, HI 96863**

4. APPROPRIATION AND SUBHEAD **OF: DR. GEORGE H. BALAZS**

5. AUTHORITY OR PURPOSE **PROBLEM #101**

6. REQUISITION DATE **5/11/78**

7. DATE MATERIAL REQUIRED **5/16/78**

8. PRIORITY **TP-01**

9. VOUCHER NUMBER AND DATE **166881-0130-X156**

10. SIGNATURE **NOT/MAC**

11. BILL OF LADING NUMBER

12. DATE SHIPPED **5/11/78**

13. MODE OF SHIPMENT **NOT/MAC**

14. AIR MOVEMENT DESIGNATOR OR PORT REFERENCE NO. **TCM 166881-0130-X156XXX**

| ITEM NO. (a) | FEDERAL STOCK NUMBER, DESCRIPTION, AND CODING OF MATERIAL AND/OR SERVICES (b) | UNIT WEIGHT (c) | TRANS. TYPE | PROPERTY ACTG. ACTIVITY | COUN. TRY | COST CODE | AMOUNT | |
|--------------|---|-----------------|-------------|-------------------------|-----------|-----------|------------------------|----------------|
| | | | | | | | QUANTITY REQUESTED (d) | TOTAL COST (f) |
| 1. | PRESERVED ANIMAL PARTS IN FORMALIN | BX | | | | | 2 | \$500.00 |

MEMORANDUM INVOICE

[Handwritten Signature]

ORIG: CODE 5124

16. TRANSPORTATION VIA MATS OR MST'S CHARGEABLE TO

17. SPECIAL HANDLING

| ISSUED BY | TOTAL CONTAINER | TYPE CON-TAINER | DESCRIPTION | TOTAL WEIGHT | TOTAL CUBE | DATE | BY | SHEET TOTAL |
|-------------|-----------------|-----------------|--------------------|--------------|------------|------|----|-------------|
| G. MCKELVEY | 1 | CS | 134" X 820" X 814" | 133 | 7 | | | |
| CHECKED BY | 81 | 81 | 81 81 81 | 152 | 11 | | | |
| PACKED BY | | | ← TOTAL → | | | | | |

18. RECAPITULATION OF SHIPMENT

19. FORM 1149 (9-PT) 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

20. REPLACES EDITION OF 1 MAY 58 WHICH MAY BE USED

21. S/N 0102 - LF - 011 - 1801

22. RECEIVER'S VOUCHER NO.