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Author

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Report/Article Title Handwritten notes and blue-hued transparencies
regarding beachmice studies at Eglin Air Force Base

Journal/Book Title

Year 0000

Month/Day

Color ☒

Number of Images 8

Description Notes

NUMBERS OF BEACH MICE

	1973	1974	1975	1978	<u>TOTAL</u>
CONTROL					
MALE	4	11	3	2	20
FEMALE	3 (3)	8 (3)	3 (1)	2 (2)	16 (10)
IMMATURE					
M	1	1	0	0	2
F	0	2	0	0	2
FETUSES	12	11	3	5	31
Fetuses/pregnancy	(4)	(3)	(2)	(5)	(14)
TEST GRID					
MALE	18	14	7	7	46
FEMALE	15 (6)	9 (6)	6 (4)	6 (1)	36 (17)
IMMATURE					
M	8	3	7	6	24
F	1	4	3	3	11
FETUSES	25	9	12	21	67
Fetuses/pregnancy	(3.6)	(2.0)	(3.0)	(3.5)	(12.1)
SUB TOTAL =					184
TOTAL =					281
LAB					184

✓

Body Weight

<u>SEX</u>	<u>YEAR</u>	<u>Control</u>		<u>Test</u>		Significance
		Number Observations	Weight Grams	Number Observations	Weight (g)	
MALE	1973	4	11.88 ± 1.03	18	11.84 ± 1.12	ns
	1974	11	12.02 ± 1.21	14	11.49 ± 0.93	ns
	1975	3	13.25 ± 0.24	7	11.67 ± 0.83	ns
	1978	2	11.91 ± 0.32	7	12.35 ± 1.35	ns
Mature Female	1973	✓	—	9	13.55 ± 2.28	
	1974	5	12.69 ± 2.29	3	13.29 ± 1.98	ns
	1975	2	10.40 ± 0.18	2	14.20 ± 1.73	ns
	1978	✓	—	—	—	

LIVER

Pregnant Females

✓

1973	3	$0.929 \pm$	6	$1.247 \pm$
1974	3	$0.765 \pm$	6	$1.019 \pm$
1975	1	$0.934 \pm$	4	$1.109 \pm$
1976	2	$0.919 \pm$	6	$1.101 \pm$

#1162
 TABLE 1. Numbers of Beach mice, Peromyscus polionotus, collected during studies of Test Area C-52, Eglin AFB, FL.

LOCATION Test Area Maturity, Sex	YEAR				TOTAL
	1973	1974	1975	1978	
CONTROL AREA					
MATURE					
MALE	4	11	3	2	20
FEMALE	3 (3)*	8 (3)	3 (1)	2 (2)	16 (9)
IMMATURE					
MALE	1	1	0	0	2
FEMALE	0	2	0	0	2
FETUSES	12	11	3	5	<u>31</u>
				SUBTOTAL	71
TEST GRID					
MATURE	18	14	7	7	46
MALE					
FEMALE	15 (6)	9 (6)	6 (4)	6 (6)	36 (22)
IMMATURE					
MALE	8	3	7	6	24
FEMALE	1	4	3	3	11
FETUSES	25	9	12	21	<u>67</u>
				SUBTOTAL	184
TEST AREA C-52					
TOTALS					
MALE	31	29	17	15	92
FEMALE	19 (9)	23 (9)	12 (5)	11 (8)	65 (31)
FETUSES	<u>37</u>	<u>20</u>	<u>15</u>	<u>26</u>	<u>98</u>
	87	72	44	52	255

* USE OF () signifies number of pregnant females

BEACHMOUSE TISSUE COLLECTED AT EGLIN AFB FL

4, 13 and 14 April 1978

1.	H7-T (1)	Body and organs male beachmouse	4 Apr 78	
2.	H7-T (2)	Body and organs female beachmouse	14 Apr 78	
3.	H7-T (3)	Body and organs male beachmouse	14 Apr 78	
4.	C #1	Body and organs male beachmouse	14 Apr 78	
5.	C #2	Body and organs female ^{2 implantation sites} beachmouse	14 Apr 78	
6.	C #3	Body and organs male beachmouse	14 Apr 78	
7.	C #4	Body and organs female ^{3-12 day old fetuses} beachmouse	14 Apr 78	
✓8.	T #1 8.	Body and organs female beachmouse 10 m south 0-7, Grid 1	14 Apr 78	
4-5 day old pups 4-5 implantation sites	✓9.	T #2 9.	Body and organs male beachmouse 10 m south 0-7, Grid 1 T	
	10.	T #3 2.	Body and organs male beachmouse Grid 4, 0-8, 100' S	13 Apr 78
	11.	T #4 1.	Body and organs male beachmouse Grid 1, 0-9, 210' S	13 Apr 78
	12.	T #5 3.	Body and organs male beachmouse 120' NW 0-10	13 Apr 78
	13.	T #6 4.	Body and organs female beachmouse 120' NW 0-10	13 Apr 78
	14.	T #7 6.	Body and organs male beachmouse 150' NE 0-10 ^{spleen missing}	13 Apr 78
	15.	T #8 5.	Body and organs ^{Female} male beachmouse ^{3 implantation sites} 150' NE 0-10	13 Apr 78
	16.	T #9 7.	Body and organs female beachmouse ^{3 implantation sites} 150' NE 0-10 ^{Spleen, liver, lungs & thyroid missing}	13 Apr 78
	17.	T #10	Body and organs male beachmouse 20 m WSW 0-5, Grid 2 T-10	14 Apr 78

18. T #11 Body and organs male beachmouse 14 Apr 78
50 m S 0-4 T-11
19. T #12 Body and organs female beachmouse 14 Apr 78
3. 200g 5. 12g
50 m S 0-4, Grid 1 T-12
- ✓ 20. T #13(A) Body and organs female beachmouse 14 Apr 78
4. 50g 100m NW 0-4 pups
100 m NW 0-4, Grid 1 T-13A
- ✓ 21. T #13(B) Body and organs four beachmouse pups 14 Apr 78
100 m NW 0-4, Grid 1 T-13B
- ✓ 22. T #14 Body and organs male beachmouse 14 Apr 78
100 m NW 0-4, Grid 1 T-14

BEACHMICE STUDIES --- Eglin AFB FL

T-12, FEMALE, 50 m S O-4, Grid I, 13 Apr 78

BODY = 16.6 gm

LIVER = 490 ppt

Histologically
Normal!

LIVER = 1.09

SKIN = 140 ppt

* PREGNANT... 3 fetuses (~ 7 days old)

Total whole body wt = 1.03 gm

Analysis = 60 ppt

T-8, FEMALE, 10 m S O-7, Grid I, 13 Apr 78

Body = 16.34

LIVER = 1,900 ppt

LIVER = 1.38

SKIN = 190 ppt

* NURSING ... 4 pups (~ 5 days old)

Total composite wt = 7.95

whole body analysis = 150 ppt

Time of Exposure Studies - BEACHMICE, Eglin AFB FL

MEAN SOIL CONCENTRATION (0-15cm) = 326 ppt

Animals released 16 SEPT 75

Animals re-captured 22 DEC 75

TEST TAGGED	ppt
SKINS	200 ✓
LIVERS	1,700 ✓

TEST CONTROL ^{untagged}	
SKINS	190 ✓
LIVERS	2,900 ✓

BEACHMICE Studies ... Eglin AFB FL

T-13, Female, 100m NW O-4, Grid I, 13 Apr 78

Body = 19.17 gm

LIVER = 1.23

LIVER = 500 ppt

SKIN = 140 ppt

Histologically
Normal!

★ Nursing ... 4 pups (3♂, 1♀)

Baby, MEAN wt = 6.78 gm / pup

LIVER " = 0.103 gm / pup

∴ 10% body wt = liver wt

Composite Livers = 1,200 ppt

Composite SKINS = 140 ppt

★ Pregnant ... 4 fetuses (~7 days old)

Total whole body wt = 1.893 gm

1st Analysis = 110 ppt

2nd Analysis = 70 ppt

MEAN = 90 ppt

Burrow concentration of TCDD

~ 290 ppt