

4/7/59

RADIOACTIVITY* OF WESTERN PACIFIC SAMPLES R

-COUNTED, MARCH 1959; NOT CORRECTED FOR DECAY FROM TIME OF COLLECTION-

407854

	June	Oct	Jan	April
Spider Snail Liver				
Guam	135	131	783	
Palau	19.9	16.4	18.7	
Thailand	—	—	—	
Algae (Caulerpa & Halimeda)				
Guam-Caulerpa	21.9	14.8	78.8	
Guam Halimeda	8.8	5.4	34.6	
Palau Caulerpa	2.8	3.3	3.9	
Palau Halimeda	1.5	2.8	5.2	
Thailand Caulerpa	—	—	—	
Thailand Halimeda	—	—	—	
Fish Muscle				
Guam	9.3	12.2	18.4	
Palau	9.7	10.7	9.0	1320
Thailand	8.8	11.3	9.0	9
Fish Liver				
Guam	21.1	35.3	18.7	19
Palau	12.6	12.8	11.2	
Thailand	11.4	6.6	6.6	
Hermit Crab Skeleton				
Guam	50.8	31.8	97.5	
Palau	17.8	12.1	36.1	
Thailand	—	—	—	
Tridacna Kidney				
Guam	119	103	278	
Palau	110	101	99.0	
Thailand	24.9	—	—	
Spiny Lobster Liver				
Guam	—	50.6	—	
Palau	9.0	8.8	2.3	
Thailand	—	—	—	

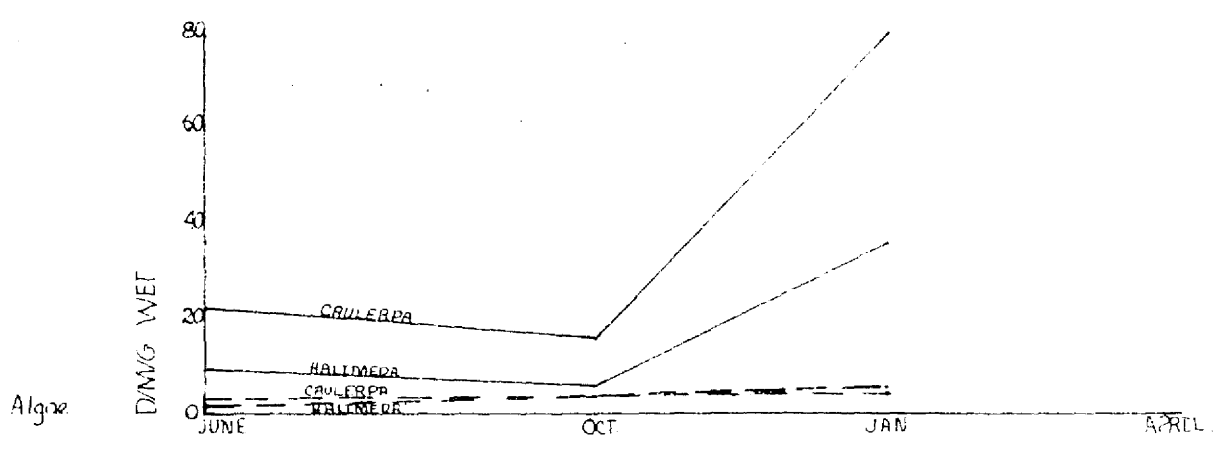
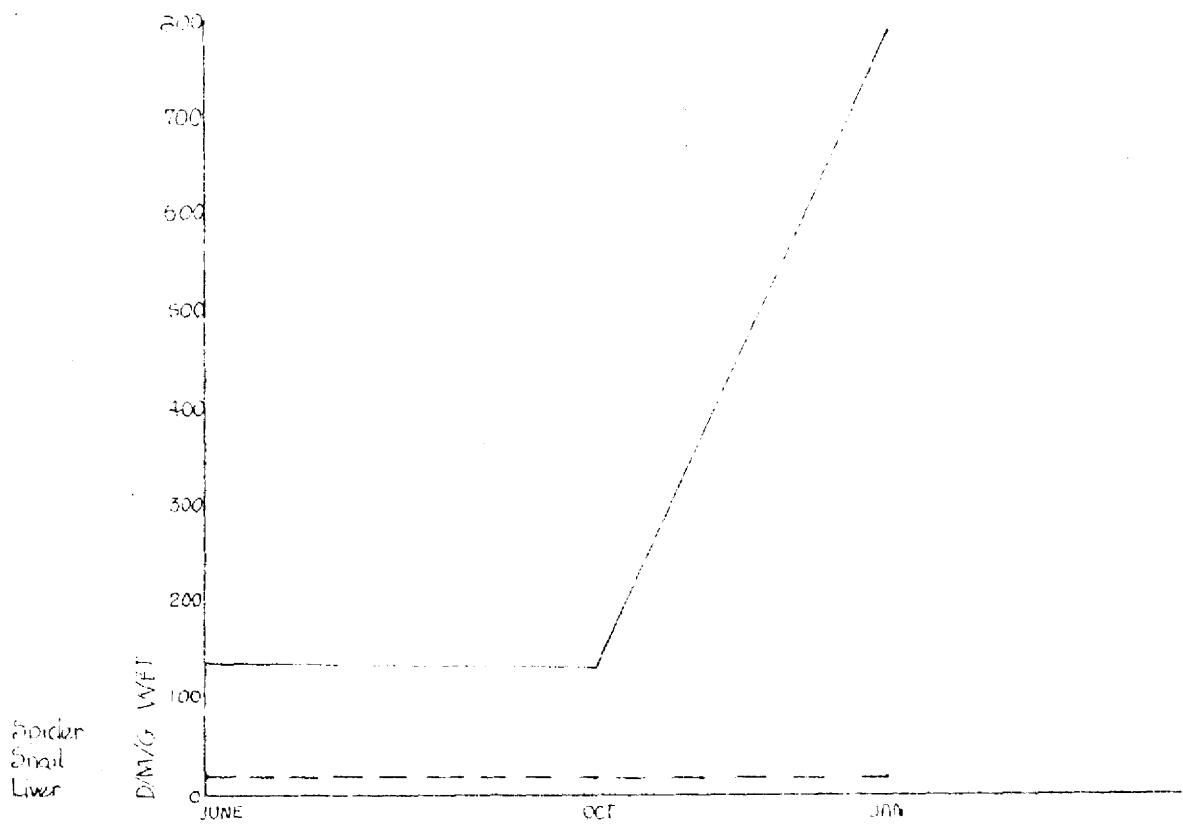
US DOE ARCHIVES

BEST COPY AVAILABLE

Job	1326
Box	9
Folder	19

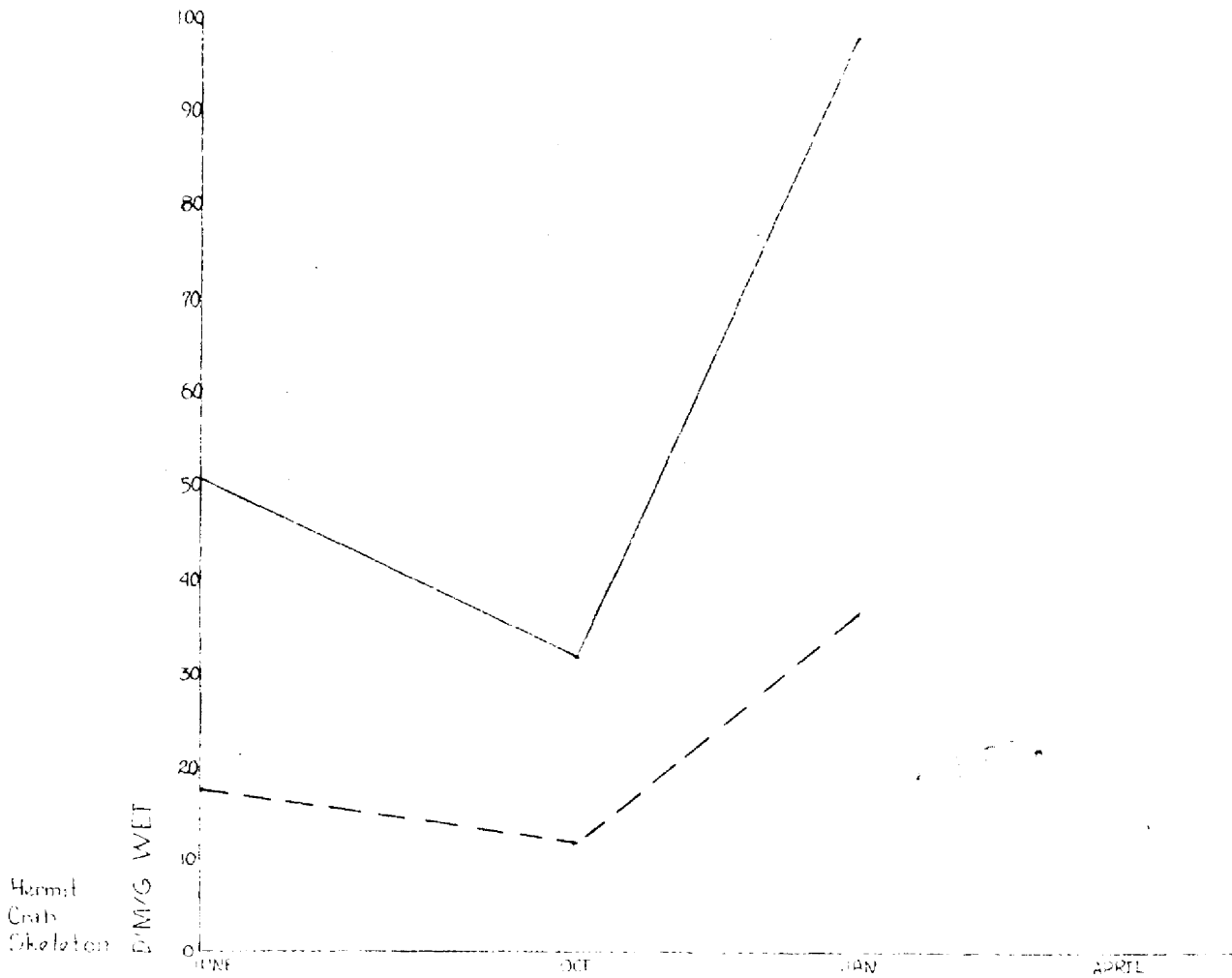
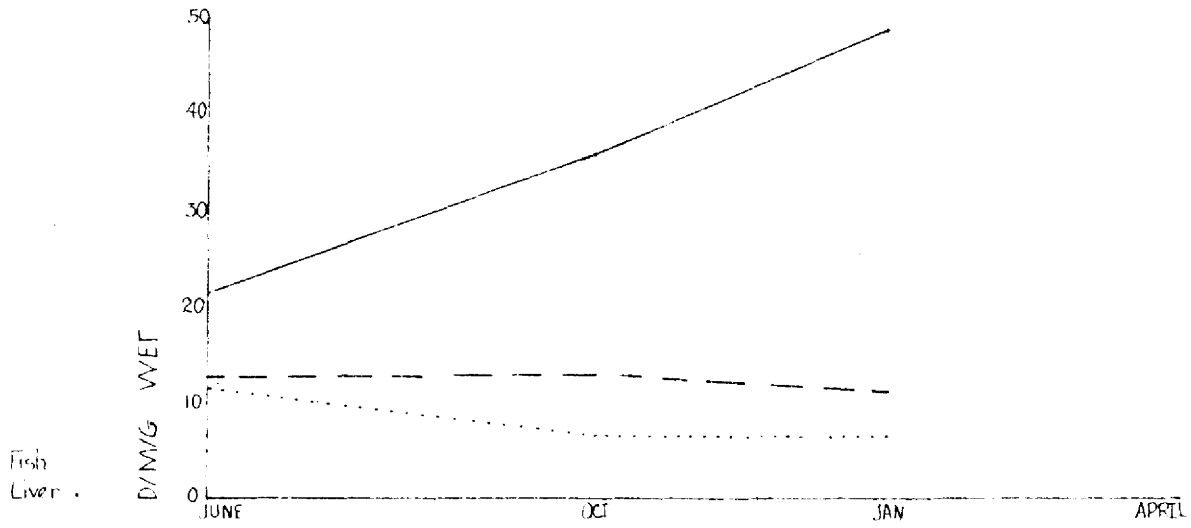
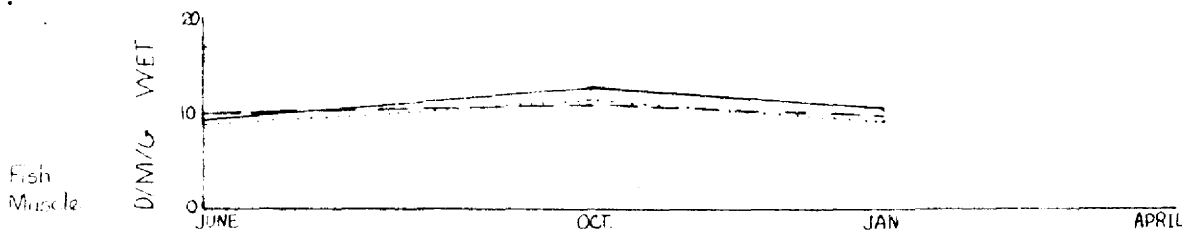
HYGIENIC OFFICE
INVENTORY CONTROL

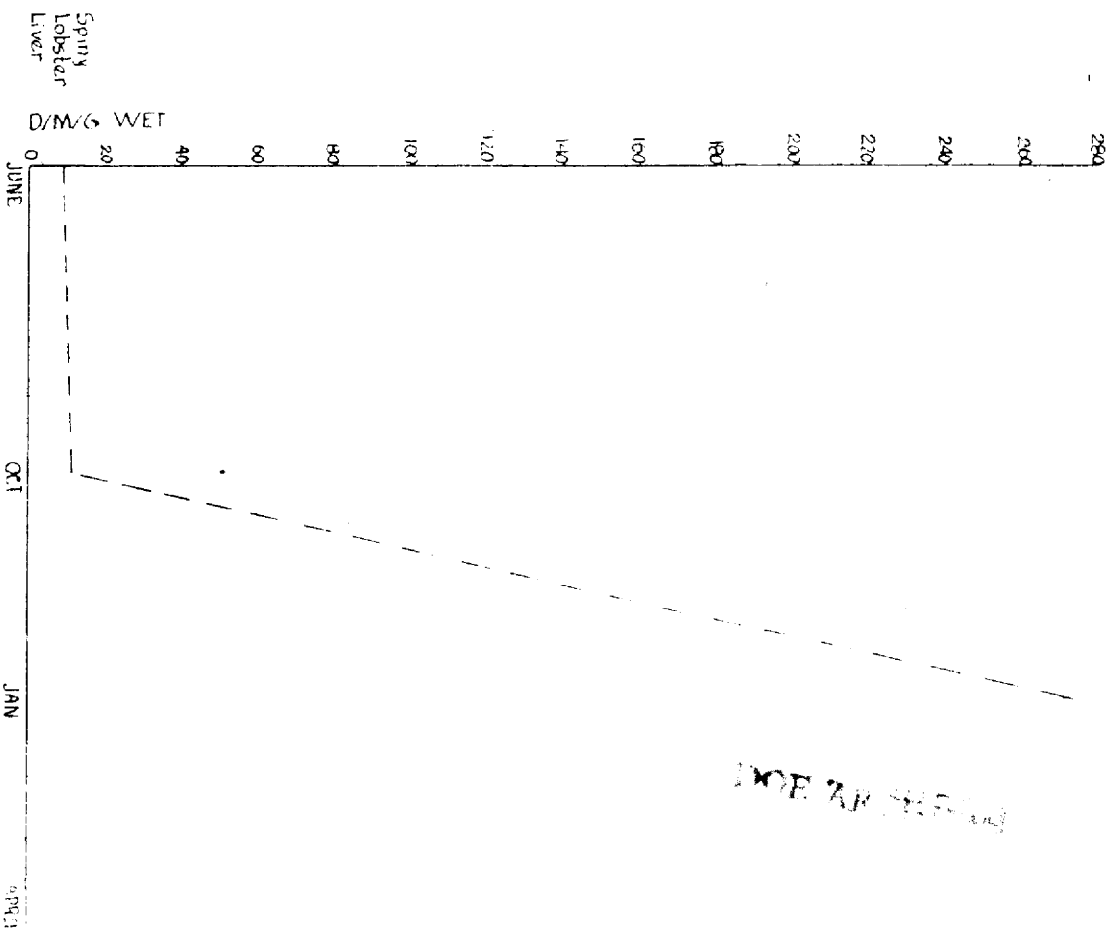
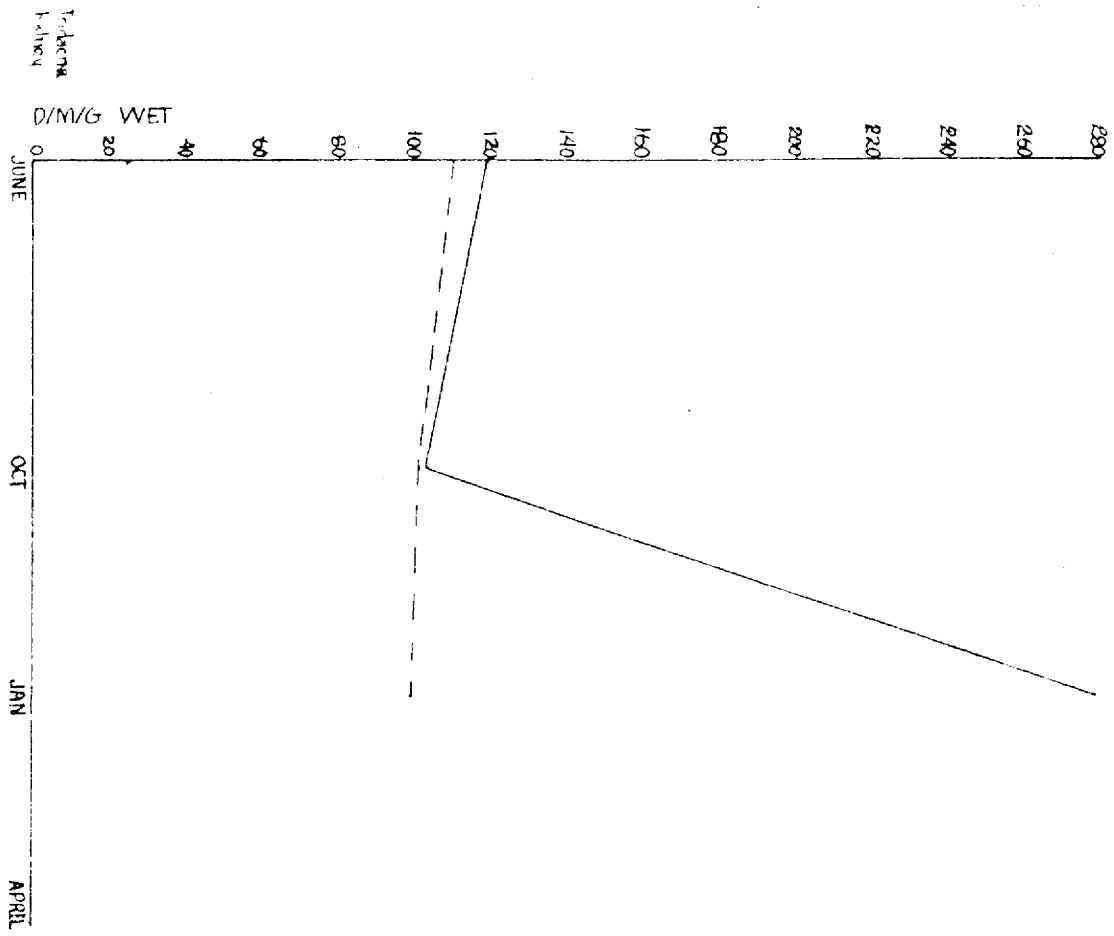
* Gross beta counts - neutron counter
Self absorption correction factor based upon K⁴⁰



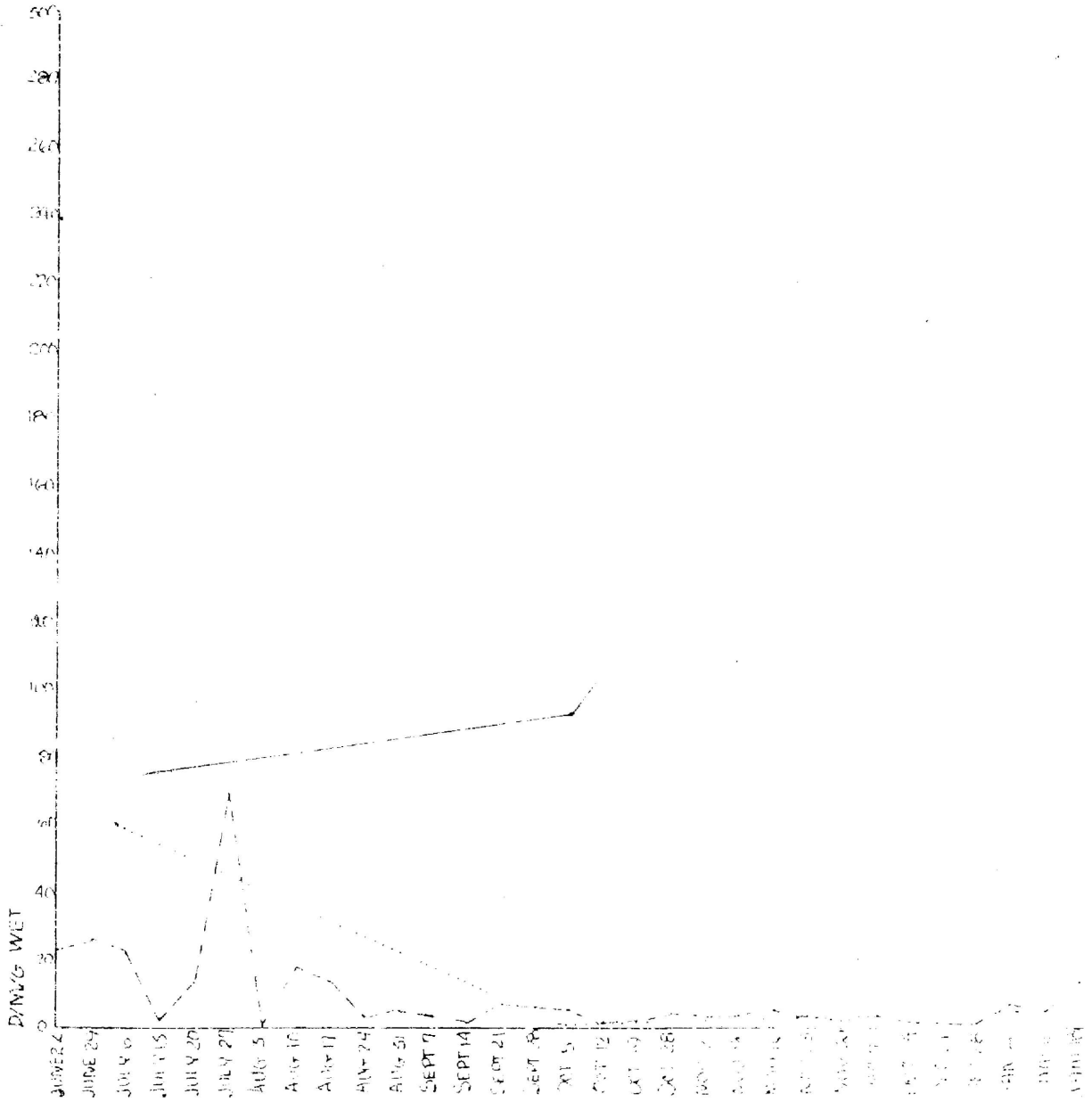
Key

- GUAM (Dotted line)
- PALAU (Dashed line)
- THAILAND (Solid line)





DO NOT WRITE IN THESE SPACES



Key

- Guam ————
- Palau - - - - -
- Thailand>

U.S. ENVIRONMENTAL PROTECTION AGENCY

beta counts - Autor Counter

self absorption correction factor

AVERAGE D/M/G WET

4/7/59

Counted in March, not corrected to date of counting

Guam

Palau

Thailand

June Oct Jan April June Oct Jan April June Oct Jan Apr

MUSCLE

Surgeon fish	9.3	13.4	11.3		10.0	10.7	11.2					
Goat fish	10.1	13.5	10.8		10.8	12.3	9.9					
Grouper	8.5	9.7	8.3		8.2	9.1	7.8	10.4	9.0	11.3		
Hermit crab	7.7	9.9	6.5		7.2	6.3	5.4					
Spider snail	10.3	11.9	30.4		8.4	14.4	8.3					
Tridacna	8.0	7.2	12.6		4.7	5.5	7.6	6.0				
Spiny lobster		14.3			6.8	7.7	12.1					
Coconut crab					5.0							
Leiognathus								8.0	13.9	8.1		
Anchovie								5.6	14.6	9.8		
Tuna (light muscle)								10.8	10.6	8.2		
Tuna (dark muscle)								9.2	8.4	7.6		
Swimming Crab								5.8	4.9	5.2		
Pinna										4.8		
Pteria										3.9		
Arca (foot)										2.7		

LIVER

Surgeon fish	18.2	43.7	56.6		11.6	14.2	16.9					
Goat fish	23.4	24.8	53.2		11.4	8.8	10.0					
Grouper	21.6	37.4	35.0		14.7	15.4	6.8	12.4	4.4	5.5		
Spider snail	135	131	783		19.9	16.4	18.7					
Spiny lobster		50.6			9.0	10.8	273					
Tuna								10.4	8.8	7.8		
Swimming Crab								8.6	3.0	6.7		

VISCERA

Hermit crab	18.3											
Leiognathus								5.2	31.7	4.9		
Anchovie								8.7	10.5	7.6		
Pinna										8.9		
Pteria										6.3		

SKELETON

Hermit crab	50.8	31.8	97.5		17.8	12.1	36.1					
Coconut crab					21.1							

BONES

Tridacna	119	103	278		110	101	99.0	24.4				
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CO-

Jan nr

	Guam				Palau				Thailand			
	June	Oct.	Jan	April	June	Oct.	Jan	April	June	Oct.	Jan	April

MUSCLE	Hermit crab	26.4										
%	Arca								7.6	5.1		
Parts	Arca										3.8	
ALGAE	Caulerpa	21.9	14.8	78.8	2.8	3.3	3.9					
	Halimeda	8.8	5.4	31.6	1.5	2.8	5.2					
	Sargassum		11.4									14.5
	Laurencia								10.0			
	Dictyota?								25.1			11.5

not in table

Guam d/m/g Wet

	Surgeon fish muscle		Goat fish muscle		Grouper muscle		Hermit Crab Skeleton	
	d/m/g	Ave.	d/m/g	Ave.	d/m/g	Ave.	d/m/g	Ave.
June	9.3 9.1 9.4	9.3	10.7 9.9 9.8	10.1	10.5 7.7 7.3	8.5	45.6 <u>56.0</u>	50.8 26.4
Oct.	11.7 11.6 16.9	13.4	11.2 13.6 15.6	13.5	10.9 10.5 7.8	9.7	39.4 23.5 32.5	31.8
Jan.	9.5 12.6 11.7	11.3	9.8 10.4 12.2	10.8	7.7 8.1 9.2	8.3	22.5 23.1 44.3	97.5

April

	Surgeon fish liver		Goat fish liver		Grouper liver		Hermit Crab Muscle	
	d/m/g	Ave.	d/m/g	Ave.	d/m/g	Ave.	d/m/g	Ave.
June	18.1 20.8 15.7	18.2	29.5 12.8 28.6	23.6	24.2 18.8 21.7	21.6	7.6 <u>7.8</u>	9.7 18.3
Oct.	50.1 37.3 43.6	43.7	22.4 25.7 26.2	24.8	58.2 29.4 24.7	37.4	9.3 11.5 8.8	9.9
Jan.	50.8 63.9 55.0	56.6	40.1 63.9 55.5	53.2	34.8 19.0 46.5	35	7.0 6.7 5.8	6.5

April

NOT ARCHIVED

	Spider snail liver		Clam (Tridacna) kidney		Algae (Caulerpa)		Spiny lobster muscle	
	d/m/g	Ave.	d/m/g	Ave.	d/m/g	Ave.		
June	183 808 141	135	136 109 35.1	119	22.3 20.9 22.4	21.9		
Oct.	160 165 58.4	131	118 89.9 102	103	14.8 14.7 14.9	14.8	14.7 10.6 17.5	14.3
Jan.	629 609 1020	783	367 265 202	278	113 56.4 66.9	78.8		

April

	Spider snail muscle		Clam (Tridacna) muscle		Algae (Kulmsia)		Spiny lobster liver	
	d/m/g	Ave.	d/m/g	Ave.	d/m/g	Ave.		
June	6.3 11.5 13.0	10.3	7.3 9.7 6.9	8.0	7.8 10.7 8.0	8.8		
Oct.	10.3 12.1 13.4	11.9	5.9 7.8 7.8	7.2	5.8 5.0 5.3	5.4	78.1 51.6 22.1	50.6
Jan.	25.0 25.4 40.8	30.4	16.0 4.7 12.2	12.0	32.2 37.0 34.5	34.6		

April

DO NOT WRITE

Algae (Sargassum)
d/m/g AUE

June

Oct. 11.4 11.4
11.9
10.8

Jan.

April

SEARCHED INDEXED

Palau d/m/g Wet

	Surgeon fish muscle		Goat fish muscle		Grouper muscle		Hermit Crab skeleton	
	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave
June	9.2	10.0	12.5	10.8	9.0	8.2	2.11	2.11
	11.2		11.3		8.1		15.7	
	9.6		8.5		7.4		19.8	
Oct	10.6	10.7	10.9	12.3	10.3	9.1	10.9	12.1
	10.4		13.0		9.2		8.5	
	11.2		13.0		7.9		17.0	
Jan	9.9	11.2	11.4	9.9	8.0	7.8	29.4	36.1
	13.7		9.1		6.9		51.8	
	9.9		9.3		8.5		27.1	

April

	Surgeon fish liver		Goat fish liver		Grouper liver		Hermit Crab muscle	
	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave
June	13.3	11.6	14.5	11.4	8.5	14.9	5.0	5.0
	8.4		10.9		14.9		7.2	
	13.1		8.7		2.5		7.5	
Oct	18.3	14.2	6.4	8.8	26.7	13.4	5.6	6.3
	9.1		4.9		9.0		6.0	
	15.1		15.1		10.6		7.3	
Jan	23.9	16.9	14.1	10.0	9.0	6.8	7.0	5.4
	12.4		7.5		5.1		4.6	
	14.3		8.4		6.4		4.6	

April

11/11/78

	Spider snail liver		Clam (<i>Tridacna</i>) kidney		Algae (<i>Chaetopa</i>)		Spinny lobster muscle	
	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave
June	26.4 17.3 15.7	14.9	77.8 168 83.0	110	3.1 2.1 3.2	2.8	5.6 6.0 8.7	6.8
Oct	16.7 15.2 17.3	16.4	118 59.8 128	101	2.5 3.4 4.0	3.3	8.7 9.5 4.8	7.7
Jan	14.0 22.1 20.1	18.7	69.9 123 104	99.0	3.8 4.2 3.7	3.9	20.9 17.1 16.3	18.1

April

	Spider snail muscle		Clam (<i>Tridacna</i>) muscle		Algae (<i>Halimeda</i>)		Spinny lobster liver	
	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave
June	9.5 6.0 9.6	8.4	5.1 5.3 3.8	4.7	Bkgnd Bkgnd 4.5	1.5	9.9 7.9 9.3	9.0
Oct	20.6 16.7 6.0	14.4	6.1 3.7 6.7	5.3	2.3 4.0 2.1	2.8	16.1 10.2 6.1	10.8
Jan	9.0 7.4 8.4	8.3	7.3 8.3 7.2	7.6	4.9 5.9 5.4	5.2	308 333 177	273

April

NO ARCHIVES

Thailand d/m/g Wet

	<u>Leiognathus macleoti</u>		"Anchovie" muscle		Grouper muscle		Tuna light muscle & Liver			
	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave
June	9.5 7.2 7.4	8.0	6.2 6.5 4.1	5.6	8.6 10.6 11.9	10.4	11.4 10.3	10.8	9.9 10.9	10
Oct.	14.1 13.0 14.7	13.9	20.2 12.8 10.7	14.6	9.8 10.0 7.3	9.0	9.0 12.2	10.6	8.6 8.9	8
Jan	8.4 9.7 6.1	8.1	11.0 8.8 9.6	9.8	11.9 11.1 11.0	11.3	7.4 9.1	8.2	7.3 8.2	7
April										

	<u>Leiognathus viscera</u>		"Anchovie" viscera		Grouper liver		Tuna dark muscle	
	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave
June	5.8 8.4 10.5	8.2	8.8 10.0	8.7	9.8 11.8 15.5	12.4	9.3 9.2	9.2
Oct	Bkgnd Bkgnd 95.2	31.7	8.6 Bkgnd 25.0	10.5	Bkgnd 8.2 5.1	4.4	7.5 9.3	8.4
Jan	Bkgnd 7.2 7.6	4.9	6.5 7.7 8.7	7.6	4.4 6.0 6.1	5.3	8.5 6.8	7.6
April								

DR. A. K. HILL

	Swimming Crab Muscle		Clam (Tridacna) Kidney		Area		Algae	
	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave
June	6.0 6.1 5.3	5.8	27.5 21.3	24.4	1/2 8.5 6.6	7.6	Laurencia { 9.7 12.4 7.9 } Dietzoto { 25.3 22.0 23.7 }	10.0 26.1
Oct	4.9 5.5 4.2	4.9			1/2 4.6, 6.1 3.3, 4.3 3.1, 4.1	5.1	name? { 8.9 12.2 }	11.5
Jan	5.3 4.2 6.2	5.2	Pinna 19.8 visceral mass 8.0 Peziza 16.3 visceral mass 6.3	8.9 6.3	left parts minus font { 4.9 3.4 2.7 }	3.8	Sargassum { 14.5 14.0 14.9 }	14.3
April								

	Swimming Crab Liver		Clam (Tridacna) Muscle		Area	
	d/m/g	Ave	d/m/g	Ave	d/m/g	Ave
June	5.1 9.4 11.4	8.6	4.9 9.0	6.0		
Oct	3.2 3.9 3.8	3.0				
Jan	4.1 4.2 3.7	6.7	Pinna 15.3 visceral mass 14.4 Peziza 10.9 visceral mass 3.9	4.8 3.9	font { 3.2 visceral 6.0 }	2.7
April						

TOP ARCHITECTS