

"Freelance"

55 T

Kingshyma Eng

Desmond V. Nicholson, Master

William Smith (Engineer)

Riffin Smith (Cabin Boy - Steward?) Able?

Donald Jackson (Danny)

Arthur Marshall (Cook)

Winston West ("Joe") (Rock Band)

Rec'd Dec. 5, 1958 from Anguilla
1 tank from Bode - distributed
mollusks + insects.

138 fms to basket, main line

45 fms + 1st wire 5 fms br. line

body lines 10-20 fms

sag = 8 to 10 fms

$$\begin{array}{r} 22\frac{1}{2} \\ 20 \\ \hline 440 \end{array}$$

$$\begin{array}{r} 11 \overline{)138} \\ \underline{77} \\ 61 \end{array}$$

Station Record

Acc. No. 217237

Smithsonian Bredin

Caribbean Expedition, II, 1958

J. Bruce Bredin
 J. F. Gates Clarke
 Carl N. Schuster Jr
 John Finlay
 Waldo L. Schmitt,

Yacht "Freelance"
 Capt. Desmond
 Nicholson
 Commanding

Offis schedule

Apr. 1-5 Tortola, West End (2 days) (Supers Bolo ^{Apr. 1.} ~~Apr. 1~~)
 Lost Van Dyke (2 days) (April 1 + 2)
 St. Thomas (2 days) (Apr. 3 + 4)

Apr. 6-12 Tortola
 Cooper Id (1 day) (Apr. 5, Supers Bolo)
 Virgin Gorda (1 or 2 days) (Norman Id. Apr. 6)
 Megada (1 day) (Apr. 6, and ?)
 Sombrero (1 day) (Apr. 8 - 9)
 (Apr. 9 Longline Friid
 Apr. 10 enroute St. Martin)

Apr. 13-19 Anguilla (2 days) *
 St. Martin (1 day) *
 (Apr. 11 and 12, Sint Maarten)

Fish dried

Redonda (2 days) *
 2 Apr. 17⁵ 5 a.m.
 Montserrat (1 day) *

Apr. 15 am St. Kitts after
 five setting traps
 Wed 16 St. Kitts
 Thru. 17-18 at staff Rodan
 Fri. 18
 Sat. Montserrat
 Moored at Eng. Br. at 6:15

Apr. 20-26 ~~Montserrat~~ *
 (via N. end Guadalupe, 2 days)
 Antigua (2 days) *

Apr. 27-May 3 Antigua *
 Barbuda (4 days)
 Antigua 3-4 days + packing

William T. Bode
Box 108 St. Johns
Antigua

h 1/1
u .011
- 21

Sta # 1-⁵⁸ March 25, 1958 St. Thomas
Caneel Bay, rocks alongside hotel pier,
mostly shallow water, to water's edge
Schuster & Finlay

Sta # 2-⁵⁸ Mar 25, 1958, St. John
E.L. over side, 5 fms, Francis Bay
anchorage, MacCarley's beach landing

Sta # 3-⁵⁸ Mar 26, 1958
From rocks N. end MacCarley landing
beach Francis Bay (molluscs, ascidians
2-3 ophiurans, ditto crabs)

Sta # 4-⁵⁸ Mar 26, 1958. Tortola
E.L. 5 fms Tortola Abr. anchorage
Nicholson's ^{with} sieve ^{St. John} at sealed beam headlight
below (pointing upward) structural larvae etc

Sta # 4a-⁵⁸ do do E.L. Tortola Abr. anch.
material scooped up at surface with
light from gangway

3a-⁵⁸ Dredging 10 fms. entering
Tortola Harbor, March 26 - 3-4 p.m., 1958

Sta. # 5-58 March 27, 1958 Tortola

Tortola Harbor, off Road Town,
collecting ^{Porites} on flats at Burt Pt., scattered
Porites clumps much dead coral. 9-10 a.m.
Finlay, Schmitt, Schester

Sta #6 - 58 March 27, 1958

Gandy mud from anchor fluke
Tortola anchorage, in 5 fms.

Sta. 7-58 March 27, 1958

From Sargassum "fished" over side by
Jack Clarke with his insect net
on way from Tortola to Guana Id.
March 27-58 White Bay

Sta 8-58 E.L. 8 pm. Guana Id. off
landing at anchorage 4 1/2 fms. moonlight
at bottom.

58 March 27-58

Sta 8a. Surface otherwise as above

Sta 9-58 Mar. 28, 1958 White Bay
A Guana Id. reefs in cove
from honey combed coral rocks and Porites
clumps, diving ^{15m±} and just off shore
All hands coll.

Ghost crabs dug from sand by Winston

March 28, 1958.

Sta 9a-58 15 min tow net haul (3 drags back &
forth bet ship & reef White Bay, Guana

Sta 10-58, March 28, 1958

(turtle)
From eel grass, Parites, Millipora, and some
Acropora flats, east of Vixen Pt. shore to
1 fm ±, ~~Virgin~~ Gorda Sound

Several anemones; and associated shrimp

~~2 pr.~~ 2 pr. shrimp and 1 pr mysids by Desmond.

Schuter got a Gnathophyllum.

Finlay with Needham scoop, shells etc.

Sta 11-58, March 28, 1958

Two seine hauls to west of Vixen Pt.

and 1 to ~~west~~ ^{east} (latter had larger and needle
fish (call this # 11a-58)) includes 1 Callinectes.)

Sta. 12-58 March 28, 1958

2 fish caught with hand line over side
at anchorage off Vixen Point ~~Virgin~~
Gorda Sound.

Sta. 13.-58 March 28, 1958, Virgin Gorda

E.L. at anchorage $6\frac{1}{2}$ fms. depth. (Sd.)
bet 8:45 and 9:30 p.m. (Halobates) and usual
1 jelly fish } Larval fish.

Sta 14-58. March 29, 1958, ~~Virgin~~ Gorda Sd.

Dips with tow-net, 6:15 a.m. (2-3 mins)
at Vixen ~~at~~ anchorage (2 jelly fish)

Sta. 15-58 March 29-1958. ~~Virgin~~ Gorda Sd.

Bottom sample with snapper. Very shell only
6 1/2 fms. at Vixen Pt anchorage closed once in
dozen tries.

Sta 21-58 March 30, 1958 - ~~afternoon~~
dredging in Little Bay, Peter Id. in 2 1/2 to 10 fms

Sta 22-58 March 30, 1958
diving in Little Bay Peter Id in 4 to 8 feet, off/landin

2 lge Petrodirus, and associated Porcellanias sep. bottled
~~two~~ Fish from empty Strombus also worm & small
1 tiny black fish from Pinna taken here
1 anemone shrimp but not anemone anemone

There were two large sea-urchins with high let
that may not have been labeled whole, 1 brow.

Anchorage

Sta 16-58, Off the Baths, Virgin Gorda
March 29, 1958 Hand line over ship's side
List taken by Smith (engineer) and crew.

Sta 17-58, March 29, 1958

The Baths, Virgin Gorda Id.

coll. from ~~reefs~~ ^{coral reef} off landing beach, shells.

Sta 18-58 March 29, 1958 (Little Bay,

^{1.7 miles} dredging about anchorage Peter Id.

in 12-15-9 fms. 3-4 hauls, small
fish/dredge. sand, shelly bottom, many shells

(*Cassiopea x... very common about
~~fish~~ sea urchin...)

Sta 19-58 March 29, 1958, Peter Id.

Cenobitas picked up on shore by
Jack Clarke

Sta 20-58 March 29, 1958, Peter Id

E.L. ^{surface} at anchorage, over 9 1/2 fms.

~~9:30~~ 10 p.m. 3 dips. salsps for first time

#21-58 and 22-58
see opposite page

~~Sta 21-58 March 30, 1958 Peter Id~~

~~2 1/2 to 10 fms. Little Bay dredging as yesterday~~

~~Sta 22, ^{March 30, 1958} DIVING near landing, hermit
(Petrochilus) crabs, shrimp in anemone, siphos from can
Pinnus and associated list, ^{feathered} worms expanded.~~

← Little Bay, Peter Id.
4-8 feet

Sta 23-58 March 31, 1958

Sopers Hole, West End, Tortola ^{at head of bay,}
From flats before mangroves, rocky
muddy, and few corals, turtle grass also.
2-3 feet water

Sta 24-58 March 31, 1958

Sopers Hole, West End, Tortola
From mangrove roots.

Sta 25-58 April 1, 1958

dredging, Sopers Hole, Tortola
3-6 fms. ^{from} shelly ^{to contact} sandy (like ^{almost} concrete)
by water and rocks go to 30

Sta. 26-58 Fish poisoning in and about old
wreck (30x15 feet), with collateral
diving for shells, 1 spiny lobster, 1 si-
punculid.

~~April~~ April 1, 1958 Sopers Hole Tortola
Single and few fish of ~~all~~ kinds ^{all} saved
common and numerous species counted
and largest smallest and intermediate (av.)
sized spec. saved with label giving total
count (poisoning was in and about ^{at depth} ^{diving on} ^{looking out of} ^{out of} ^{bay})

Sta. 27-58 April 1, 1958

Little Harbor, east Van Dyke Id
Shore coll among boulders to left of
Carenage beach.

2 nemerteans which later fragmented.
shells + porcellanids, flat worms
one Sponoid under ^{boulders} ^{with} waters also, only one seen

Sta. 28-58 April 1st 1958

E.L. at anchorage over 7 fms.
West Van Dyke Id, Little Abr.

Sta 29-58 April 2, 1958

Coral reef, west side Little Harbor
West Van Dyke, diving at about a fm. ±
Desmond, Carl and John. 500 fms. + assoc. shells
peckers, hermitz
small isopods on sea fans.

Sta 30-58 April 2, 1958

Sand flats at carenage, Little Harbor

West Van Dyke Id. Large pecken, 3 porbunids
2 shells + spire shell small
Schmitt

Sta 31-58 April 2, 1958

dredging in 8 fms 10-11 a.m.

in middle Little Harbor West Van Dyke Id.

small conchs + algae, ^{of these} Schuster measured 73; all odd perhaps. 4 more (Desmond 3
Schmitt 4-6)

Sta. 32-58 April 2, 1958

Little Harbor West Van Dyke Id.
downnet hauls made while dredging. 10 a.m.

loc. as above.

Sta 33-58 April 4, 1958

Charlotte Amalie
St. Thomas Harbor

Dredging, ^{mostly near ~~east~~ north shore.} perhaps half dozen to dozen hauls
in 2-5 fms; ~~last~~ ^{last} one in 4 ± - shelly sandy mud -
bottom

Sta 34-58 April 5, 1958 - 8:30 p.m.

surf. E.L. Sopers Hole, West End, Tortola

April 6 1958

Sta 35-58 April 6, 1958; 9³⁰ to 11³⁰ a.m.
Norman Id. shore collecting at Treasure Pt.

Sta 36-58 April 6, 1958 9 p.m. ±
E.L. at bottom, at anchorage off Vixen Pt
at 11 fms. ~~Virgin~~ Gorda Id.

Sta 36a-58 April 6, 1958 9 p.m.
~~At~~ At surf while light at bottom was
in action. as above otherwise (over
depth of 11 fms)

Sta 36b-58 April 6, 1958 9 p.m. ±
Surf light only. as above, otherwise

~~Sta~~ 37-58 April 7, 1958 7-11 a.m.
shore collecting Colquhoun Reef (beyond 2 ft high)
ll but Palaeonoma, misc. ~~Virgin~~ Gorda Id. sand shoal
from ~~the same~~ well. just day to reach

38-58, April 7, 1958
Rocks, East side, N.E. Point, Mosquito Id
~~Virgin~~ Gorda Sound ("Rocky Pt., Mosquito Id")

April 7, 1958
39-58 Turtle grass flats, 2 ft water ±
off East side, Mosquito Id.
~~Virgin~~ Gorda Sound
coll over flats

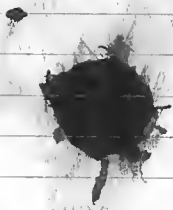
40-58 April 7, 1958 1400-1500 hrs. Dredging,
11 fathoms, SW of Vixen Pt., Prickly Pear Id.
(Virgin) Gorda Sound. Clay & calcareous sand-
(bottom sample). ✓ 1 ~~pl~~ ~~or~~ ~~any~~

41-58 April 7, 1958 3⁰⁰ to 6 p.m.
Poisoned reef off east end Eustatia Id
(by long beach). Fish collected with dip nets
3 morays in bag other fish saved in jars; ident.
& measured spns. discarded,
Virgin Gorda Id.

Most of small silvery fish saved, but many more not
dipped up, otherwise all fish dipped up were saved in
quart jar (morays in bag in dunk); common, identified fish
approx. measured and discarded, viz:

1 Nassau grouper	7 inch to base caudal fin
1 Yellow grunt	6 1/2 "
5 " "	4 5/8 - 4 3/4
11 " "	3 1/2 - 4
11 " "	2 1/2 - 2 3/4
12 " "	1 3/4 - 2 1/2 ±
1 White grunt	4 inch
6 " "	under 3 ±
1 " "	2 1/2 (the smallest)

+ ~~Caravan~~



1 - 8' 11" White-tipped shark

Eulamia longimanus

Diagram in Caribbean Fisheries book

has ~~dorsal~~ ^{dorsal} to far forward is approximately
half way bet. pectoral and pelvic pairs

} Daws saved cut out by Sw. R. & cleaned
& put in tank.

} Upper lobe of tail had more of white tip
than ^{1st} dorsal

#42-58 April 8, 1958

Collecting over reef edge and eel grass flats of Pomato Point, Anegada, in 0-3 feet dipnet, turning "stones" and using Weber and Needham scrapers.

Variety of materials, sea-anemones, fish, flat worms crustacea off beaches

Fish taken in seine all juvenile and small

Caranx ^{prob. jack} and Polynemus sp. Eucerosomus sp. Trachinotus sp. Apogon → number used small
500 bait to catch large bait for long line

#43-58 - April 8, 1958

Collecting land snails; Genus and one other specie? on Pomato point - Anegada I.s.
50-100 meters back of shore line.

#44-58 2 Tubs Long-line bet. Anegada and April 9, 1958 }
Virging Gord ^{off} 900 to 1000 line
at 330 barracuda chunks for bait
4x6 x 3 to 4 wide.

Line hauled at 530 start 6 pm hauled shark
Line set 7 miles, 295° true of Pajaros Pt. Virgin Gorda
Line hauled 6 miles at 280° true " " " "
Drifted 2 miles 345°; Wind E Force 4
Depth stated at 900 to 300 fms.
Bearings from sea weed // Side Capt Nicholson

a + b over side hauls off stern haul "b"
#45-58 Couple of tow net hauls 10-15 min
Apr. 9/1958 while walking SW set. haul about 30 ft of line

46-58 April 11, 1958 2:30 - 6:00 p.m.
Off lighter landing, east ^{side} Grande Bay Sint ^{Ma} Martin
Diving over rocky bottom, 1-2 fms. { John Finlay
Nicholsen
Shuster

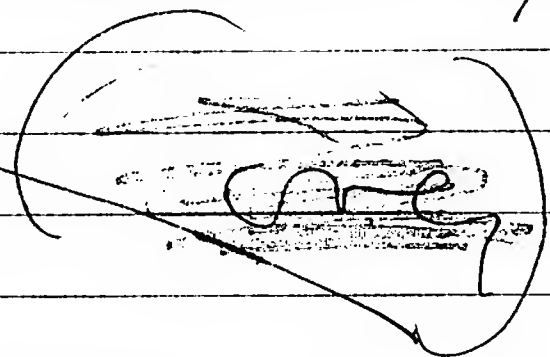
47a-58 April 11, 1958 2:30 - 6:00 p.m.
west lighter landing east side Grande Bay
Sint Ma^{ca}artin. shore coll. from rocks + weed

47b-58 Apr. 11, 1958 2:30 - 6:00 p.m.
east of beach (east of lighter landing)
east side Grande Bay Sint Maarten
under and on boulders. These p-ella and tiny dragonid
found on under side same boulders

48-58 Apr. 11, 1958 11:30 to 11:40 p.m.
(several sweeps each under light)
4 dip nets full (large size aquarium nylon)
E.L. at anchorage (over 3 fms. bottom)
Grande Bay, Sint Maartin.

49-58 on site of #46-58; April 12, 1958
diving 1 puffer ^{in tank} and an anemone with associated
~~shrimp~~ shrimp. Desmond who got it says not
usual ~~shrimp~~ associate; not usual anemone.
[shrimp not found - eaten by anemone?]

49a-58 Bottom sample at anchorage Grande Bay
Sint Maarten, 3 fms ±
April 12, '58



April 14, 1958

Croesus Bay
Anguilla

Native seine haul Bat Caves Beach (Croesus Bay)
got about 50 "bonitos" of which we bought 22 1/2
3 weighing 8, 8, and 6 1/2 lbs.
most were as large or larger
Seine haul took about 1 hr. from actual start

Gymnosarda alteterata

The 3 for \$5 Bwee
20¢ per lb (13¢ U.S.)
@ 20¢/lb = \$4.60 actually

This locality should be
off Croesus Bay & Bat Caves, Anguilla

50-58 April 12, 1958 Road Bay, Anguilla
E.L. at anchorage, light at bottom, and haul
from bottom up. $3\frac{1}{2}$ fms ~~and eel~~

51-58 April 12, 1958. Road Bay, Anguilla,
E.L. at ^{surf.} anchorage, $3\frac{1}{2}$ fms; surface dip-
netting. "Real plankton soup". 2 qts. including
one "eel", separately wrapped in tanks.

52-58 April 13, 1958
Fiddler crabs, Jack coll. by salt ponds
Road Bay, Anguilla, 9 a.m.

53-58 April 13, 1958
Snapper bottom sample at anchorage
 $3\frac{1}{2}$ fms. Road Bay, Anguilla

54-58. April ¹³ ~~12~~, 1958
Sandy Island, off Anguilla
 vicinity; 1 to 2 fathoms

55-58. April ¹³ ~~12~~, 1958
Shore collecting, NE corner of Sandy Is.
{ dark brown Petrolishes were under tentacles } off Anguilla
{ edge of large anemones }
marginally fine toothed xanthid light, greenish back, white margin little
less than $\frac{1}{8}$ inch wide around ^{edge}
{ hippas, 1 portunid, 1 whitish, sand colored gobies all screened from
beach ^{by "lips" of waves}
got purple colored porites here; and at #37-58
Colquhoun Reef.

56-58 April 13 - 1958.

E.L. off Flat Top Point, Anguilla
anchorage
Immediately in front of Butt Caves
Groves Bay, Anguilla. 4 fms
among other things
one needle fish (99r)
rest at 10:30 p.m.

57-58 April 14, 1958.

✓ Bottom sample, at Bat Cave anchorage
Anguilla. 4 fms. in sacks

58-58 April 14, 1958

Tow net haul about 5 mins off Crocus
Bay beach (proper) Anguilla over about
4 fms

59-58 April 14, 1958

dredging Morrison dredge (not hauled)
over stern in 4 fms. eel-grass and shelly sand
Crocus Bay proper.

60-58 April 14, 1958

both hauled
with Albacore
endails

Mollusc trap in layer in
hauled April 15

See #
65-58

" # 61-58 April 14, 1958

see # 65-58
Finlay mollusc trap in
hauled Apr. 15

62-58 April 14, 1958. Fish from

Rotenone poisoning - windward (reef^{on})-east
side of Sandy Island, off ANGUILLA.
Discards noted on labels of same species
otherwise all fish saved, especially small ones

63-58 April 14, 1958, Sandy Id.

me 2 each on sand beach

" east side id, S. end,

" Hippas

#170a-58 April 17, 1958
Bottom sample we successfully dip out of 4 dried.
✓ (Black Sand) (rest rocky?)

Bought 2 ³⁰ lobsters this day, April 17/58 ✓
2.30 (1 U.S. 1 Bwee) from Nevis Fisherman

April 17th 1958

Bought from fisherman ✓
3 gar 1.00 U.S.
a number of Cenolabes ✓
and 2 land crabs for 1.20 Bwee

Apr. 17. 9:30 a.m.

64-58 April 14, 1958

E.L. 3 fm anchorage Crocus Bay proper of
landing at auto road, Anguilla
"Jo" - Winston coll.

65-58, April 15, 1958 8 a.m.
same as Finlay mollusc trap in 20 fms.
1 1/2 miles due west of Dowling Shoal
(Trap set in lesser depth drew blanks.)

66-58. Snapper sample, in 3 fms.
Apr. 16 at Crocus Bay anchorage 6:30 a.m.

67-58 Apr. 16 dredging about ship's
anchorage ^{Charlestown} 5-6 p.m. 2-3 fms
one large gelatinous organism in same jar
Weedy bottom, jar of algal "glass" scraps saved

68-58 April 16, 1958
E.L. over ship's side, anchorage 3 fms
off Charlestown, Nevis several fish (myxology) included

69-58 April 16, 1958 Charlestown, Nevis
E.L. lowered in water with screen
little below surface

70-58 April 17, 1958
Finlay trap set in 26 fms yesterday
off Charlestown, Nevis 2 ^{miles} west & S.W. off
Charlestown

71-58 April 17, 1958
Finlay trap set in 26 fms yesterday
(locality as above, within 1/2 mile)

Put back ashore at 8 p.m.

Malacanthus plumieri

Got two whitey at setting of traps
one on each soundin^{line} provided
with hooks ~~Shuster~~ blood
serum sample from each

Cat ate hand full of raw meat no
ill effects though had vomited about
an hour before from sea sickness

April 18 off Redonda windward side
caught 3 more Malacanthus on had lines
while drifting. cut up some for eat

has unhappy with motion of ship all day
ate very little (if any)
Cook says had nothing
else all day...
refused pills in a.m.
(at break fast time)

← April 17 - 1958 →

- # 72-58 off Redonda in 30 fms
Finlay trap set 6 p.m. Draw blank
— April 17 - 1958 — down too long
- # 73-58 off Redonda in 35-40 fms
Finlay trap set 6:05 drew blanks
out too long

- # 74^{A-C}-58 Redonda anchorage (E.L.) April 17/58
- | | | | | | |
|-----|--------------------------------|-----------------------|---|---|---|
| 74A | Bet. 6+7 p.m. | <u>Anchored haul</u> | " | " | " |
| 74B | Bet. 8+9 p.m. | <u>Fish haul</u> | " | " | " |
| 74C | Bet. 10 ³⁰ +11 p.m. | <u>My meager haul</u> | " | " | " |
| 74D | Bet. 1+2 a.m. | | | | |
| 74E | Bet. 4+5 a.m. | | | | |

- # 75-58 April 18, 1958
Pownet sample off Redonda fishing trial
about 15-20 feet below surface
1/2 hr. tow, more wless. —

- # 76-58 April 18 Set of 3 tubs long
line off Redonda toward & westward
of Montserrat, set at 8:45 (start) all
out by 9:15. On middle line set 2 on
an every other bait

- # 76a-58 coll. Redonda Jack Clarke, Apr. 17-18, 1958
Ant. v.a.
- # 77-58 Entering Eng Harbor, off of Fort
April 19, 1958 5 min surf tow 5⁴⁵
1 Delibates in tow.

#78-58 April 19, 1958 (afternoon ^{and evening})
Scrapings (Weber scoop) from seawall
"Freelance" mooring, English Hbr. Antigua

#79-58 April 19, 1958 (afternoon)
From ^{and about} eel grass patch — Freeman's Bay
English Harbor, Antigua.

#80-58 April 19, 1958 (evening)
E.L. from "Freelance" at mooring by seawall
English Hbr. Antigua.

#81-58. April 20, 1958
Dredging on fluid (yet hard to wash) black
mud bottom, English Harbor.

#82-58 ~~April~~ April 20, 1958 M
Dredging on coral to

#83-58 April 20-1958, (Evening)
~~#85-58~~ ^{see #85-58} asump. on mossy rocks
East outside entrance to CARLYSLE
Bay - Antigua

#84-58 April 20, 1958 (afternoon)
From bottom of yacht moored by seawall
English Harbor, Antigua.
(^{swim}Crab in his jar, from seawall itself)

Experimental Fishing Vessel Commands
under command Ralph Camacho,
Fisheries Officer, Antigua B.W.F. # 90 5⁵³

Tuesday April 22. English Harbor to French Banks
9 m. N.E. Grand Ysle Pt, Guadeloupe
O.H.S. Set course from Eng. Har.



85-58 East side Carlisle Bay, Antigua
Some ~~83~~⁵⁸ April 21, 1958 about 3 water,
as Shuster + S. Bates { 161 s Atlantic }
Crab + Shells { Daytona Beach, Fla. }
1 Vassum to Miss Bates, on rocks

86-58 April 22, 1958
Mast Pond, mud flats, (fiddler crabs)
English Harbor, Antigua. Clarke coll

87-58 April 22, 1958
From on and among mangroves
in bight opposite dock yard
English Harbor, Antigua. Shuster coll

88-58 April 22, 1958
From piling by mangrove swamp Shuster
loc. ~~marked~~ as above.

89-58 April 22, 1958
Dow net haul at fishing set (below)
Nine miles N. of Guadeloupe (over 300 fms water
surf haul, 5 miles)

90-58 April 22, 1958
Long-line 5 tubs, baited with mullet 15-21 in
long, and in small part with gorgies and ballbaes
± 12 inches over all.

91-58 April 23, 1958.

Bat fish caught ~~by~~ ^{by} 2 small boys
just out of the hbr. proper

91a-58 From Fishermans traps ^(inside) (Eng. Abr.) April 23, 1958

92-58 April 23, 1958. Dredge hauls in
3 to 4 fathoms, between Bird and Green
Islands, Nonsuch Bay, Antigua

0 a 23^h
9a 24^h } 10 of small conchas } to Luck 2, Desmond Shuster⁷
9 to Museum

93-58 April ~~23~~ 23, 1958. Electric light
off the side at anchorage just South of
Bird Island, Nonsuch Bay, Antigua; over 4 fms

94-58 Desmond coll. ^{while and during} diving Non-such Bay off
April 24, 1958 Green Id. Antigua
Got fish nest of Sargassum weed
save (crab inside) pick up shore

Dredging of this day ^(Apr. 24, 1958) combined with 92-58 of
yesterday (Apr. 23, 1958) in same place, 4 fms
Non-such Bay bet. Bird and Green Ids

95-58 shore coll Green Id. Jack Clarke
April 24, 1958 shells under rocks at
fringed edge. (Antigua)

96-58 shore coll. north side ^{on + under rocks 1-4 feet water} Bird Id. Non-
such Bay, Antigua, April 24, 1958 } ^{Peropora}
7:30 - 9 a.m. } + Millepora, es-
pecially plentiful

96a-58 rotenone over shore area yielded few
(8-9 a.m.) small fish; April 24, 1958.

97-58 Tur net sample, in way to Barbuda, 1:30 p.m.
(out of Antigua) surf. April 24, 1958

98-58. April ^(24th) 24, 1958

Wire trap over ship's side anchorage
West-side Barbuda 4 fms.

2 Swimming crabs larger one night of 24th
9 pm, smaller lacking chelipeds 6 a.m. (trap pulled)
Also four fish tied on bd. under cloth ~~tray~~
(2 pieces) dried

99-58 April 24, 1958

F.L. ^{surf} over gangway, anchorage west-side
Barbuda, over 4 fms.

100-58 April ⁽²⁵⁾ 25, 1958

Various things, soil, rocks, "insects", and crustaceans
(amphipods and "shrimp" from ~~Bar~~ Dark
Cave, Barbuda, (also 1 jar mud from surface
of bottom for possible animal
organisms)

101-58 April ⁽²⁵⁾ 25, 1958

Bryant Soil, lickers(?) rocks, protozoa, shells
from Brand. Cave Barbuda.

102-58 April ⁽²⁵⁾ 25 + 26th (2 days "fishing") 1958

From Finlay (metal) trap over side of Free-
lance, at anchorage of S.W. side
Barbuda. 2 worms, 3 amphipod and large
"ark" shell(?) separate in tank. (\pm 4 fms)

103-58 April 26, 1958 [all labels 25th, should be 26th]

Mollusks, Crustacea, Worms, & Fishes - from
vegetation and sand shallow water sw. shore of
Lagoon, Barbuda (1 to 3 ft depths). [Portunid crab
w/ cast]

#104 b - 58 April 26, 1958

(1 dead snail
shell on rd to
Darby Cave)

104-58 - April 26, 1958

From Darby Cave, frogs, insect, one or two land shells, live crab (Clarke), ^{boys} (F.W.)

104a-58 April 26, 1958. From "spring" ^{Fed} pool, inside walled enclosure, N.W. Codrington Village, Barbuda

105-58 - April 27, 1958

purchase from boys ^{Portunid.} crabs & shrimp. From vicinity of jetty, Codrington Village Barbuda, for \$2 U.S. + 1 B.W.T.

106-58 - April 27, 1958

Mud from anchorage Barbuda = 4 fms down. Watch for shells several distinctive ones, and small! ~~to~~

107-58 April 27, 1958

"Beach fleas" from beach wrack, east side of Cocoa Point, Barbuda

108-58 April ²⁷ 28, 1958

Crustacea, mollusks, fishes, etc. obtained by haul seine over turtle grass & other vegetation = east side of Cocoa Point, Barbuda.

109-58 April 27, 1958

"Hippa" from beach seine, west side of Cocoa Point, Barbuda

110-58 April 27, 1958

Surface haul, electric light off the side, at anchorage just west of Cocoa Point, Barbuda

3 specimens given to
Mr. William T. Bode
in exchange for
Vasum nuttingi from
Antigua

111-58 April 28-1958
Desmond coll porites flats } Conchs +
east of Spanish Point } Purple porites
from this area
Doo

112-58 April 28, 1958
{ Schmitt-Shuster of Rocky point, =
Vasum. Spanish Point, Barbuda

112a Schmitt cracked from dead coral + living
coral bases, off Spanish Pt. Barbuda
west side + moreless south of Pt. Barbuda

112b. Land snails on Rocky pt. = Spanish Point
on Spanish Pt. from fossil coral above level
~~more or less south of~~ on dead (fossil) coral and vegetat

113-58 April 28, 1958
Gravenor Landing, Barbuda (1 to 3f depths)
Vasum + Strombus from turtle grass.
Where get 112a: see bot
next p.

113a April 28, 1958
Gravenor Landing, Barbuda
Along shore in honey-comb coral rock + limestone. ^{in part} _{mainly} turtle grass

113b April 28, 1958
Gravenor Landing, Barbuda
{ Seine haul (2 hauls) a few fish of each
kind saved (except pi-ze fish which
is from 113a { Desmond coll)

Hirudinella ventricosa (Pallas, 1774) Baird, 1893

off
Barbus

see previous
page

#114-58 5 min plankton haul, April 29, 1958
during setting of long-line, see #115-58

#115-58 April 29, 1958. Long-line trial.
Got 1 Blue marlin, 2nd or 3rd hook from end
Over 400 and probably over a thousand fins.

#115a. ^{broken} Stomach contents of wahoo caught on troll line
→ (including 2 trematode worms)

#115b. { " " of 5 dolphins ditto
2 were virtually empty, 2 had few small fish
1 had bulk of this jar of debris, pretty well
digested.

#115c. Remoras ^(in tank) and young? from dusky shark

#115d Remora from blue marlin.

#112c (see previous page) April 29, 1958
Crustacea from "purple-stained" Porites
Spanish Pt., Barbuda (east shore as yesterday)

#112d April 29, 1958
Internal skeletons of Spirula from
beach wrack on east side of Spanish
Point, Barbuda.

#112e April 29, 1958
Snails from tide pool, east side Spanish Point,
Barbuda. Pool etched in coral rock, 5 ft.
above sea level.

#116-58 April 30, 1958

From Finlay (metal) trap over side of
"Freelance", at anchorage east side
of Cocoa Point, Barbuda (3 fms.)

#117-58 ^{May 1} April 30, 1958

Bat Cave, Antigua 18 yds plus 10
Soil samples, rocks from inside (disintegrated)

#118-58 ^{May 1} April 30 from R.W. pond on
way back from Bat Cave, algae, mud
for organisms etc.

#119-58 May 1, 1958,

E.L. at Sea Wall mooring of Freelance
12.50 p.m. numerous copepods one "fish",
Antigua

#120-58 May 2, 1958

From rocks at low tide (normally
found at 4-5 ft. below mean tide -
Small cove ("Little Galley Bay") north end
of Galley Bay. [Shuster + Bode].

#121-58 May 3, 1958

Finlay trap in 50 fms over night of May
2nd, outside English Harbor Antigua

#122-58 May 3, 1958

Purchased from got fisherman Eng thr

123-58 Purchased from 2 little boys
one of whom was Kenneth Potter's son,
English Harbor, May 3, 1958.

124-58 3 May 1958 ANTIGUA.
Collected from rocks and coral rocks
around Johnson's Point (near village
of Crab Hill). Shuster + Bode.

125-58 3 May 1958 ANTIGUA
Collected along shore from coral rock
in shallow water, Windward Bay. ^{Shuster} & Bode

126-58 3 May 1958 ANTIGUA
Collected from around salt ponds, Pigeon
Point. Shuster + Bode.

2 - Isopods, copepods, mysids, etc - unsorted. -
1 small fish with parasitic isopod in gane -

Station 3. amphipods - 7 ✓
Isopods - 6 ✓
Flatworms - 2 ✓
Polychaetes - 9+ ✓
Crabs - 5 ✓
Brittle stars - 5 ✓
Hermit crabs - 2 ✓
Copepods - 3 ✓
Tunicates - 5+ ✓
Sergoanin - 1 ✓

all debris etc.
in with Tunicates
for other small spec -
if needed - in algae
on large tunicate.

Sta. 3a. Sponges - 3+ spec. ✓
growing at base on coral
Brittle stars - found inside cup of sponge
2 spec.

4

#4 a

5

- * Sponge - 1 lot^v
Anemones - 4^v
Zoanthids - 100^{+v}
Polychaete - 12^{+v} small polychaete in with "
Sipunculids - 7^{+v}
* Copepods - 9^v
* Tanaids - 27^v
* Ostracods - 3^v
* Amphipods - 13^v
* Isopods - 7^v
* Cumaceans - 1
Porcellanids - 26 = 3 small in vial found in debris specimen
Shrimps - 27
Hermit Crabs - 27
crabs - 41
Stomatopods - 4
Holothurians - 2 (in small vial probably continuation F.M.B. suggests that it is from Antarctic)
Sea Urchins - 80 -
Brittle star - 6
Fishes
Mollusks
Forams

#6

#7. Shrimps - 48
Copepods - 10
Pycnogonid - 1
Polychaete - 1
Barnacles - 9+
Crab - 1
Fishes - 2
72

8 - Copepods - 9 spec - # 8a -
Cumaceans - 9 spec -
Mysids - 5
Polychaetes - 7
Amphipods - 4
34

9 - Sipunculids 7 # 9a -
Nemertean - 1
Polychaetes - 27
Sea Anemone - 12 spec -
Zoanthids - 10+
Copepods - 25
Amphipods 96
Isopods - 13
Flatworm - 1
Cumaceans - 3 -
Ostracods - 5 -
Shrimps - 54
Hermit Crabs - 2
Porcellanids - 46
Crabs - 24 spec - (3 lots)
~~Stomatopod - 1~~
Brittle Stars - 14 -
Sea Urchins - 2
Star Fishes - 2 -
Algae
Fishes - 4
Mollusk
Worms

#10 - 1 jar with Sea Anemones - 2 spec -
label reads - had with it 2 myriids (1 found)
2 lg. red shrimps (5 found) 2 small transparent
shrimps (1 found) & 2 spec - like largest

Sponge - 1 lot

Anemones - 9 spec (2 lots)

Polychaetes - 30+ spec -

Copepods - 12 spec.

Isopods - 5 spec.

Amphipods - 9 spec.

Hermit Crabs - 10+ spec.

Shrimps - 21 spec. (2 lots) 1 ^{lot} with anemones

Porcellanids - 16 spec.

Crabs - 41 spec.

Stomatopods - 3

Brittle stars - 30+

Mollusks

115 g - 58
Contents of wa
sbnach, Cuv
"old line" Apr
"Commands" 5/11

Crab - 1 spec. -

12 -

13 =

14 - Jellyfishes - 5+ spec - many copepods not
sorted -

- 15 -

16

17 - Medusae - 3 spec - Cassiopea - listed under # 18

18. Amphipod - 14

Barnacles - 14+

Hermit Crabs - ~~#~~ 10

Crabs - ~~#~~ 12

Sea Anemones - 5

Shrimp - 1

Tanaids - 8

Worms - 1 -

19 Hermits - 13 -

20

21 - from algae on bottom - Amphipods - 104⁺
Many more unsorted - 1 lot. Isopods - 2 -
Polychaetes - 19 -
Tanaids - 31 -
Shrimp - 2 -
Cumaceans - 10
Ostracods - 10⁺ -
Crabs - 8 -

22 - from strombas - Polychaetes - 15 - Barnacles
Shrimp - 1 - _{2 spec.}
crab - 1 -
Stomatopod - 1 -
Brittle star - 1 -
Tunicates - 2 -

Hermit #1 + 2 - 2 spec -

Porcellanids - 31 spec. #1, 17 spec. #2

" lot. #1 has parasitic isopod

continued over

#22 continued

From tin can - shrimp - 1

Crabs - 3

Usual Anemone Shrimp - 1 -

Sea Urchins - 4 -

Fish from Pinnac

#23 - Sponges -

Hydroids -

Bryozoans -

Sea Anemone -

Polychaetes - 22

Copepods - 4

Amphipods - 10

Isopods - 2

Ostracod - 1

Tanaids - 14

Shrimps - 29

Porcellanids - 19

Mysids - 16

Hermit Crabs - 17+

Stomatopods - 4

Crabs - 41

Tunicates - 18+

Brittle Stars - 2

Holothurians - 2

Mollusks

#24 - Polychaetes & tubes - 40+ spec.
Barnacles - 75+ spec.

#25 - Polychaetes - 5
Amphipods - 15
Isopods - 5
Tanaids - 17
Shrimps - 2
Hermit Crabs - 2
Crabs - 5
Tunicate - 1
Fishes

#26 - Shrimp - 1
Spiny lobster - 1
Sipunculid - 1
Crab - 1

#27 - Nemertean - 2
Barnacles - 2
Crab - 1
Flatworms - 5
Hermits - 4
Porcellanids - 4
Sipunculid - 1

#28 - Polychaetes - 1
Amphipods - 4
Copepod - 1
Ostracods - 2
Mysids - 17
Tanaids - 41

#29 - Porcellanids - 2
Hermit Crabs - 9+
Brittle stars - 2 (from purple sea fan)
Isopods - 21 " " " "
Amphipods - 8 (in sponge on " " base?)
Crabs - 8
Stomatopod dactylos - 1
Starfishes - 2

#30 - Crabs - 4
Mollusks

#31 - Polychaetes - 1
Amphipods - 193
Crabs - 2
Brittle star - 1
Tanaids - 21
Barnacles - 20+

32

33 - ~~For~~ Vermit Crabs - 3 /
Urchins - 3
Polychaetes - 4 /
Shrimp - 1

#34

18. The following table shows the number of students who took part in a school sports day. The number of students who took part in each sport is given in the table.

Sport	Number of students
Football	12
Netball	8
Table Tennis	5
Badminton	3
Table Tennis	5
Badminton	3

35

Sponge - 1
Sea Anemones - 6+ -
Flatworms - 15+
Barnacles - 25+ -
Copepods - 80+ -
Ostracods - 5
Isopods - 84+
Amphipods - 500+ -
Polychaetes - 33+ -
Sipunculid - 1 /
Shrimps - 2 /
Porcellanids - 18
Hermit Crabs - 2 -
Crabs - 8 -
Callinassid - 1
Tunicate - 1 -
Nemertean - 3+ -
Pycnogonids - 4 /
Mollusks

#36

#36 a

36 h.

37. Sea Anemones - 2 (2 lots - 1 lot with ^{*}shrimp)
Shrimps - 2 lots - ^{*}5 spec - could here
Amphipod - 1 ✓
Polychaeta - 2 ✓
Tanaid - 1 ✓

37-38-39 mixed lots

Polychaetes - 9 -

Barnacles - 10+ -

Copepods - 9 -

Ostracods - 9 -

Amphipods - 35

Isopods - 9 -

Shrimps - 35

Tanaids - 10

Porcellanids - 38 -

Spiny Lobster - 1 -

Hermit Crabs - 4

Stomatopods - 4

Crabs - 58 -

Brittle Stars - 3 -

Starfishes - 3 -

Urchins - 2 -

Tunicates - 2 ✓

38 - Hermit - 65 +

Sea Anemones - 8 yellow
Sponge - 1 (not gorgonian) - algae
Polychaete - 1 ✓

39 - Sea Anemones - 3
Crabs - 6

40 - Flatworm - 1
Polychaetes - 7
Shrimps - 1 ✓
Crabs - 3 ✓
Barnacles - 5 +
Hermit Crabs - 3
Wrchins - 3 5 ✓
Star fish - 1 ✓

41 - Crab - 1

42 Sponge - 2
Sea Anemones - 4
Polychaetes - 29
Sipunculid - 1
Flatworms - 2
Copepods - 6
Ostracods - 6
Amphipods - 55⁺
Isopods - 28
Tanaid - 1
Cumacean - 1
Porcellanids - 6
Squilla - 3
Hermit crabs - 7
Crabs - 12
Stomatopods - 2
Nephas - 3
Tunicate - 1
Holothurians - 2
Starfish - 1
Mollusks
Algae
Hydrozoans - 1

46

Sipunculid - 1
Shrimps - 2
Hermit - 3 +
Crabs - 5 -

47-a - Amphipods - 2
Barnacles - 16 +
Porcellanid - 1
Crabs - 17
Fish - 1
Hermit crabs - 10 +

47-b - Sponge
Hydroids
Polychaetes - 8
Barnacles - 4
Copepods - 5
Amphipods - ~~2~~ 1
Callinassid - 1
Porcellanids - 15
Hermit - 11
Tunicate - 1
Crabs - 15
Mollusks - (Soleno gastrea)

49 - Anemone - 1

52 - Crabs - 3

54 - Zoanthids -
Polychaetes - 1 -
Copepods - 3 -
Isopods - 3
Astracods - 2
Shrimps - 3
Porcellanid - 1
Crabs - 2 lots - 12
Holothurians - 5 ✓
Sea Anemone - 1 ✓

55
Sponge -
Sea Anemones - 6
Copepods - 40+
Isopods - 1
Ostracods - 9
Tanaids - 2
Cumacean - 4
Amphipods - ~~2~~ 2 lots - 22 spec.
Shrimps - 22
Pycnogonid - 1
Porcellanids - 4
Polychaetes - 17+
Crabs - 45
Stomatopod - 4
Barnacles - 25+
Nippas - 27
Tunicates - 1
Starfish - 1
Mollusks
Fish

59 - Shrimp - 1
Crab - 1

62 - Isopod - 1
Sea Anemones - 3

65 - Hermits - 2
Crab - 1
Tunicate - 1

67 -

Sponge -

Bryozoans

Polychaetes - 110+

Flatworms - 5

Ligulanulids - 2

Copepods - 30

Isopods - 10

Amphipods - 117+

Cumaceans - 4

Ostracods - 13

Neobaliaceans - 3

Tanaids - 58

Hydra - 1

Nemerteans - 25+

Shrimps - 2

Polychaetes - 1

Urchins - 7

Starfishes - 8

Tunicates - 10+

Mollusks

Algae

Crabs - 20

69

Copepods - 11
Isopods - 2
Nektonic - 1
Tanaids - 8
Mysids - 2
Shrimps - 3
Polychaetes - 2
Stomatopod - 1

70 - Shrimp - 1
Fish (tooth)

70a - Copepods - 15+
Amphipod - 1
Polychaetes - 2
Ostracods - 2+
Forams - (Bottom sample)

71 - Hermits - 2 lots - 2 spec - 1 lot with
Sea Anemones - 3 spec -
Crabs - 2
Encrusting - Anemones - 1 lot.

74-A - Isopods - 4 ✓
Foram

115a - 58
Contents of Wahoo
stomach, caught on
trawl line, April 29/
"Command" ^{fish} trial / 68

78 - Sponge -
Polychaetes - 35+ -
Sipunculid - 1
Copepods - 15+
Isopods - 4 -
Amphipods - 6 -
Ostracod - 1
Tanaids - 7 -
Garnings - 5 -
Porcellanid - 1
Hermit crabs - ~~2~~ 5+
Crabs - 2-1
Tunicates - 1
B. Stars - 4
Mollusks

79 - Polychaetes - 7

Amphipods - 8

Shrimps - 21

Spiny lobster - 1

Crabs - 22

Stomatopod - 1

Sponge

80 - Copepods - 100+ ✓

Isopods - 12 ✓

Ostracods - 7 ✓

Shrimps - 100+ ✓

Mysids - 5

Crabs - 4

Tanaids - 5

Hermit larvae - 7 ✓

Stomatopod larvae - 15 ✓

Spiny lobster larva - 1

Amphipods - 3+

81 - Polychaetes - 4
Ostracods - 14
Crab - 1

82 - Sponges - 3 +
Amphipods - 3
Crabs - 5
Gorgonian - 1

84 - Hydroids
Polychaetes - 100 +
Amphipods - 22 /
Crabs - 3 /
Teleostacean - 1 lot /

85 - Crab - 1

86 - Crabs - 29

No. no. Grapous - sea wall - April 22 - Tapes

87 - Bryozoans
Barnacle - 1 ✓
Crabs - 33 ✓
Tunicate ✓

90 - Isopod - 1
mollusk - (Trematode)

92 - Bryozoans
Amphipods - 33 ✓
Copepods - 2 ✓
Terebratulaceans - 2 ✓
Polychaetes - 8+ ✓
Crabs - ~~1~~ 1+ ✓
Tanaids - 3 ✓
Starfishes - 5 (3 dry - 2 alc.) ✓
Hermit - 1 ✓
Tunicate ✓

93 - Shrimps - 14 ✓
Fish ✓

94 - Breyozoa -
Copepod - 1 -
Tanaid - 1 -
Crabs - 20
Stomatopod - 1 -

96A - Gorgonian - 1 -

96 - Sea Anemones - 5 spec. -
Copepods - 4 -
Ostracod - 1 ✓
Amphipods - 2 -
Tanaids - 3 ✓
Hermit - 1
Sipunculid - 1
Barnacle - 1
Porcellanids - 22
Polychaetes - 9 ✓
Starfish - 1
Holothurian - 1 -
B Stars - 3
Shrimps - 3
Stomatopods - 3 -
Isopods - 6
Crabs - 32

98 - Crabs - 2 -

99 - Amphipods - 9

Isopods - 30

Ostracod - 1

Mysids - 40

Polychaetes - 50 -

Tanaid - 1

100 - Amphipods - 35 (1 uncat.) Bark Cave

Shrimps - 3

Mollusks

Sample from ^{bottom} pool ~~at~~

101 - Bryant Cave

Protozoans? -

Forams

Algae

Hermit - 6 -

#102 - Polychaetes - 3+
Amphipods - 2
Hermits - 7
Crabs - 3
Mollusk - (nudibranch)

#103 - Sponge
Polychaetes - 12
Copepods - 3
Amphipods - 4
Isopods - 25
Tanaid - 1
Hermits - 7
Crabs - 6
Buttle star - 1
Nudibranchs

#104 - Hermits - 9
Crab claws - (dry)

104 - a -

Oligochaetes - 100+

Outracles - 50+

105 - Shrimps - 26
Crabs - 47

#107 - Oligochaetes - 10

Isopods - 96

Amphipods - 500+

Forams

Mollusks

108 - Zoanthids - 1

Shrimps - 6

Spiny lobsters - 2

Crabs - 9

Stomatopods - 2

Urchin - 1

#109 - Heppa - 1 ✓

#111 - Sea Anemones - 2 ✓
Cnidarians
~~Porcellanids~~ - 2

Mysids - 2

Shrimps - 7

Porcellanid - 1

Crabs - 6

Polychaete - 1 -

#112-a - Amphipods - ~~4~~ 95 -

Copepods - ~~6~~ 15 -

Shrimps - ~~15~~ ~~9~~ 11 -

~~Cumacean~~
~~Porcellanid~~ - 1 -

Mysids - 2 -

Polychaetes - ~~4~~ 62+

Crabs - ~~16~~ 21 -

Callinectes - 1 -

Tunicates - 3

Barnacles - ~~1~~ 4 -

B. star - 1 -

Mollusks

Fish

Hermit - 3 -

Lymnecid - 1 -

Sea Anemone - 1 -

Porcellanids - 53 -

Isopods - 19 -

#112 c Polychaete - 1
Shrimps - 19 -
Crabs - 6 -
Stomatopod - 1 -

#113 - Holothurian - 1 -

#113 a - Sponge
Zoanthids
Sea Anemones - 9
Copepods - 5
Isopods - 1
Tanaids - 5
Cumacean - 1
Mysid - 1
Amphipods - 23
Shrimps - 5
Porcellanid - 1
Hermit - 8
Crabs - 47
Stomatopods - 13
Tunicate
Washings
Fish
Polychaetes - 21 +

#113 b - Crab - 1

#115a - Trematodes

#121 - Sponge
Polychaetes - 53+ from sponge
Crab - 1

#123 - Shrimps - 26 - (Bag. on several)
Crabs - 42

#124 - Scyllarid - 1
Crab - 1

no. no -

Jelly fishes - 15
Astracods - 36
Arguloidea - 2+
Acanthocephalen - 1
Shrimp - 1, 1, 1,
Barnacles - 53
Amphipods - 200+
Polychaetes - 3
Hermits - 8
Isopod - 1
Wrchins - 3

no. no -

Crabs - 33, 1, 1, 1, 2, 2,
Starfishes - 3

next page Bide collection

April 9 over side hand lining, Smith got
10-12, 10-12 inch long grey grunt, Haemulon plumieri

April 9 Lx Megada, 11¹⁵ hrs by trolling over

#1 Scorpaenopsis cavalle

38 1/2 long 6 depth 19 lbs (17 1/2)

#2 Baracuda, Sphyræna baracuda 11²⁰ d

30 long 4 1/2 deep 7 lbs

#3 Baracuda,

#4 Spanish mackerel: Scorpaenopsis maculata
11⁵⁵

#5 Yellow lined grouper, ^{11¹⁰ p.m.} bet Megada + Virgin Gard.
26" ~~31"~~ long, 7 1/2 deep 11 lbs

Trioscopus venenosus

#6 Baracuda, S. b.

} // fish
2) between
network

April 15, 1 barracuda, at 9⁴⁰ out of
Myrilla about size of #2

April 24 1 barracuda, at about 3 p.m.
after leaving Antigua for Barbuda.

over

Bode collection

Shrimps - 5, 4, 4,

Porcellanids - 3, 1,

Hermits - 3, 1, 2, 1, 4,

Crabs - 3, 4, 1, 2, 3, 14, 7, 2, 7, 10,

Tanaids 3

Guide to Commercial Shark Fishing in the Caribbean Area
Anglo-American Caribbean Commission, Wash., D.C., March, 1945.
pp. 1-149, (incl. 56 text figs., + explanations) (Kaufmann Press, Inc.)

Useful and Ornamental Plants in Trinidad and Tobago

R. O. Williams, + R. O. Williams, Jr.) 1951

\$ 2.00

Printed by Guardian
Commercial Printery, Port-
of-Spain, Trinidad

Escape to the West Indies, Bradley

Smith, New York 1956
Alfred A. Knopf.

The Windward Road Archie Carr, N.Y.

1956 Alfred A. Knopf.

~~St. Thomas~~
St. Apr. 25, Lv. 10:17 a.m.

Caneel Bay Arr. 13:30. ca 2 hrs run.

Francis Bay Arr. 16:30

— Apr. 26 —

Depart 11:45 to Portola, Rd Town 15:30

Lv. ~~Apr. 27~~ 13:30 to ~~Quinn~~
Anchored off Buena Id. 16:45

Apr. 28 Lv. " " 9:30

Arr. Gorda 13:30

~~Mar. 29~~

Lv. Gorda Id. at 10 a.m.

Arr. Baths 11:30

Lv. " 14:30

Anchored Little Abr. Peter. 17:00

— Sunday 30th ~~Apr~~ —

Lv. Peter 13:30

Portola Ar. Rd. Town 15:00-

— Monday ~~Mar~~ 31

Lv. R. Dn. 11:00

Arr. Sugar Hole 12:45

Tues Apr. 1

Lv. S. Dn. 13:30

Arr. Little Abr. Jost Van Dyke 15:00

wed L Apr. 2 in Jost v. D

Apr. 3 Lv. " " 8:00

Sund,

Apr. 3 9:50 Cruz Bay 10⁵⁵

Apr. 4 Fri. Arr. St. Thomas 12:30

Apr. 5 L.V. Thomas 14:00
Arr. Cruz Bay 16:00 - 16:30
Apr. 5 Arr. Soper Hole 17:30

Sunday 6th - L.V. do Nom 8:00
Arr. Norman 9:30
L.V. " 12:00
Arr. Virgin Gorda 17:00

Monday 7 at Virgin Gorda

Tuesday 8 L.V. " " at 8:30

Wed Apr. 9 L.V. Megada anchorage off
Bona Pt. 10 - 10:15 a.m.

Fishing set at 17:40
at 3:30 p.m. hauled, 18:40 finished

Apr. 10 Arr. ~~St. Martin~~ St. Mart 22:00

11 Friday Arr. St. Mart

12 Sat L.V. " " 11:00

Arr. Simpson Lagoon 12:00 p.m.

L.V. " " 13:15

Road Bay 16:30

13 At Anguilla ?

14 " " }

Apr. 15 L.V. Anguilla ~~16:30~~, 6:30

Apr. 16 Arr. 22:05

Lv St. Kitt 12:30
Ar. 14:30 Nevis

~~Ar. 11~~ Lv. 8:30 "
~~Ar. 18:30~~ at Redonda
Anch

Fish ~~Ar.~~ Redonda 6:00

Lv. Redonda 17:30,
^{8th} Ar. English 6 a.m.

~~Ar. East Jney Id. 14:15~~
Lv. Barbuda

Anch Bird 17:00

Lv. anch. 10 a.m.

Ar. Barbud 18:35

Lv. Apr. 30 7:10

Ar. Ant 17:00

217237

Bode collection
data

General Notes on Observations Pertaining to *Vasum nuttingi*

1. The *Vasum nuttingi* is found in water depth ranging from zero, i.e., right at the very edge of the water but not out of the water, to as a rule not more than six or eight feet of water.
2. No specimens were ever found on living coral.
3. The one exception in regard to coral is at Half Moon Bay. The specimens themselves were never found on the live coral there but some of the animals were almost completely incrustated with what appeared to be a living coral. This coral on some specimens completely covered and hid the shape of the shell with the exception of the mouth. The coral was a very light lavender in color when first taken from the water.
4. In some areas or colonies there appeared to be only adult specimens. In others only what appeared to be immature specimens were found. In most cases the adult specimens outnumber the immature ones considerably.
5. In every case except one the colonies of *Vasum nuttingi* were located in an area where they were protected from the direct waves from the open sea but at the same time they were always located in an area where there was considerable circulation of water. As a rule they were not found in areas that would be considered sheltered, such as a bay. The most sheltered place where specimens were collected was

just inside of the mouth of English Harbor where they were collected in very shallow water not exceeding a foot in depth. Their distribution in this particular area as it is in many of the other areas was restricted exactly to the area covered by a particular growth on the rocks. This growth is difficult to describe but on the other hand is easily recognized once a person has seen it. A very crude description of this covering would be a coarse moss of from a half inch to an inch and a half long that ranges in color from a grey to a brown. Specimens are frequently found partially buried in little pockets of loose coral sand that is deposited in crevasses of dead coral. On the other hand in some areas they are collected out in the open on top of the rocks but always under water.

7. None of the specimens were apparently traveling when they were observed. In most cases they appear to be at rest among the covering previously described or partially covered with sand.
8. Specimens that are collected and removed from the water frequently come partly out of their shells and appear to be quite active.
9. In areas where only one or two specimens are found it seems that they were most often immature and in some cases only immature ones were found.
10. Most collecting areas had a general physical characteristic in that the animals were found in fairly shallow water within a short distance of the beach among rocks and dead coral with a higher ridge of rock

and dead coral between the open sea and the area in which they were found. Often a bank of live coral would be located right at the edge of the reef and the water quickly dropped off to at least twenty-five or thirty feet. In most cases even though the *Vasum nuttingi* were found in shallow water, they were within a very short distance generally not to exceed fifty to a hundred feet from deep water.

11. An area that needs considerably more investigation is that consisting of the small islands off the northeast coast of Antigua, in particular the windward side of Long Island and Gauna Island, also Exchange Island and Little Exchange, Hellgate, Pelican Island and Maid Island. This general area has not been investigated but dead shells have been picked up that appear to be larger and longer than those found on the south side of the island.