

Journal and Field Notes

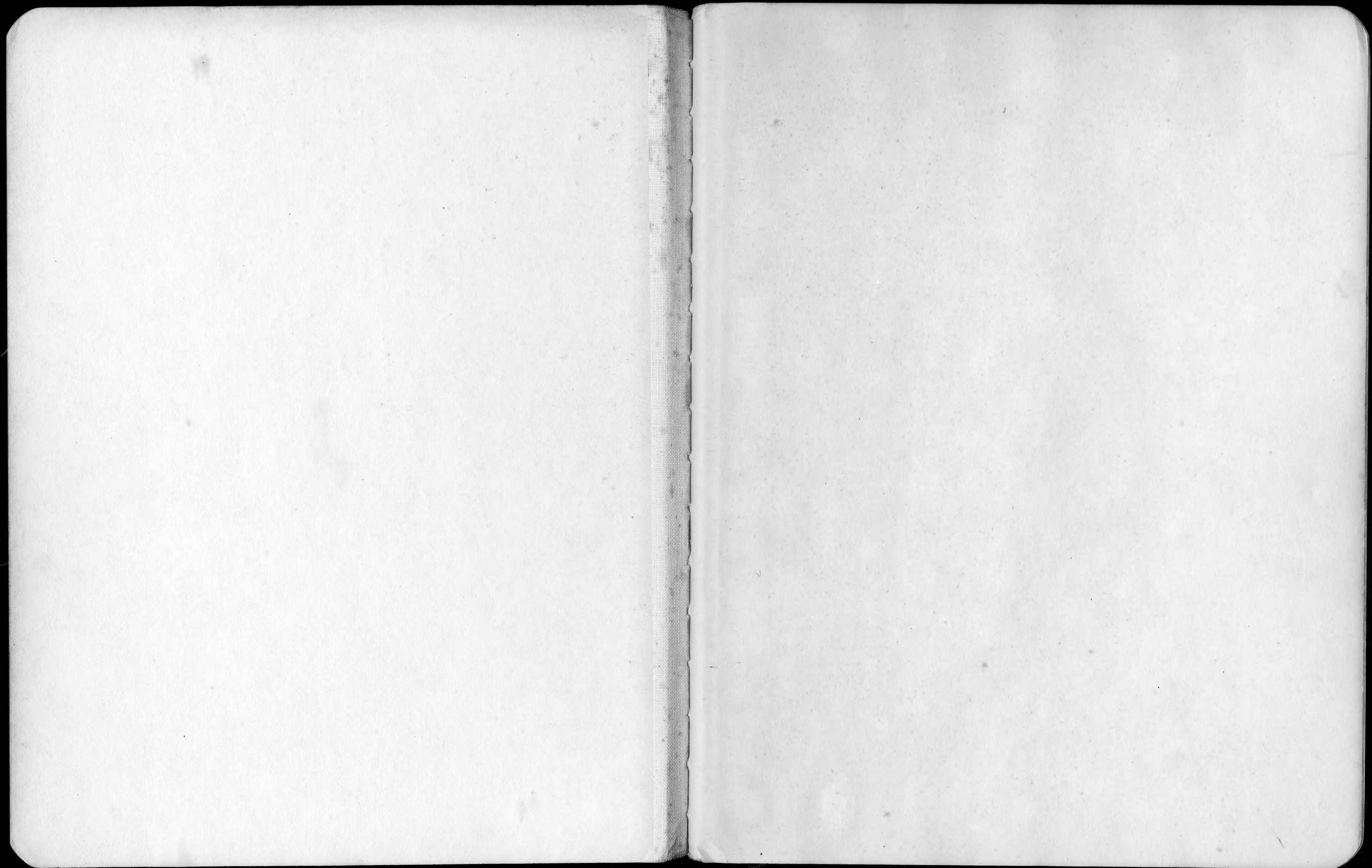
Mar. 1936 - July 1936

St. Lucia
(Martinique)

Dominica

West Indies Journal

Vol. 4



III-22-36

I spent most of the time on the passage from Barbados to St. Lucia working on the index to volume 3 of this journal. We also talked some with Mr. Bailey and Mrs. Williamson, whom we had met at the Skilstone's, and who continued on the Nerissa to Trinidad and return.

The boat came alongside the dock at about 12:30 A.M. We waited a few minutes for the baggage. Then a porter from the Hotel St. Antoine came up and took us to the Custom House. There the letter from the gov't. got us by without any trouble, and we were driven up to the hotel. We were given a large room with private bath, but at the minimum rate.

III-23-36

The first thing this morning was to decide on a place to stay. The hotel rates seemed quite high, but when we said we would have to find a place for much less, Miss Lockhart seemed very anxious to meet our price. She said that they had a small cottage that they rent for \$20 a month, and give board for \$1.00 a day a piece. This would total \$80.00 a month for us both. As we can't expect to do better than that, we inspected the "cottage" and decided to take it. It has two rooms and shower, but no sanitary facilities; - complete maid service, of course.

Went down town to see Mr. Alan Peter, the American Consular Agent. He was very cordial, and was of much help. He took me to see the Treasurer, the Chief of Police, and several others about licenses, the Dept. of Public Works about maps, the Customs officials, and a Mr. & Mrs. Morris. He is a friend of Mr. Bon, and said he would be glad to go collecting with me at any time. He went with Bon when he climbed Mame Simie. We also met Bon, had seen him at the hotel previously.

At lunch Bon introduced his wife, and offered to take me to his lab in the afternoon. We went first to the Customs House to unpack the motorcycle. Had considerable trouble, because several of the bolts turned and were difficult to remove. I'll have to have them fixed before I can use them again. It was nearly four o'clock before we were through. Then we drove to Bon's office in the same fields in Cul de Sac Valley about 3 miles south of town. He showed me where the key is kept, and urged me to use any of the facilities at any time. There are microscopes, literature, a collection of insects, etc., etc. We got home for a late tea.

III-24-36 Spent the morning finishing the index to volume 3 of this journal. In the afternoon I made some adjustments on the motorcycle and cleaned it. The battery was run-down but the motor was running fairly well.

III-25-36 Mr. Peter phoned that there was mail, so I rode down to town. He also had my license to use the motorcycle, and I got the mail contained a letter from Paul Dermoy in Guadeloupe saying the glasses had not arrived; one from the Postmaster in Trinidad saying he had returned two ordinary letters to the senders, and was forwarding an Air Mail letter. This letter was a letter from True, editor of S. J., discussing my letter about my manuscript. It was mailed from Washington in December 1935!

After lunch Ruth and I walked up the main road to Government House about the hotel.

III-26-36 Mr. Peter phoned again that there is mail. It was forwarded from Barbados, and sent by a stoop. It contained letters from Wetmore, E.B., the Mac Cays, etc., and also ten copies of my thesis. Wetmore's letter contained the news that A. N. Audell had died suddenly. It also gave the publication date of the "Morphology of the Calopteroous Family Staphylinidae" as March 2, 1936.

Spent the rest of the morning cataloguing the paper. After lunch we walked down to town. Got some of the new postage stamps, went to the library, and went to see Peter. Tried to get some large envelopes to mail the separates, but couldn't get any. Inquired for Stanley John, naturalist who was recommended by Prof. Lanforth. He is interested in birds, and may be able to get me some skeletons to take to Wedmore. Bob also spoke well of him.

III-27-36

This morning I explored the northern road to its end at Gros Islet. Passed one or two pastures that look promising, and several streams. The beaches are all perfectly clean.

As I passed through Castries I stopped to get air at the only garage that has a compressor. They couldn't find a pressure gauge, so I had to do without.

Returned an hour before lunch, and found Ruth rather upset by the loss of sleep the last night or two, which was occasioned by noises about the house. I think ~~that was~~ partly caused by annoyance at the flying insects. After lunch two men came down to try to get rid of the mice, rats, or whatever is causing the noise. As usual they're any-

thing but efficient, and the results may not be strikingly obvious. We may have to move, but I don't know where to.

Found a lot of white fungi (rather dry) on a log near the hotel. Put some of them in a paper bag to keep till whatever is there has died. This is Station 205.

A Hotel St. Antoine, Castries, St. Lucia. Fungus, and
B flying to lights. This latter will be kept open during our stay here. The contents of the former will be listed later.

I have one or two more errors in my thesis as published. On page 82 in caption of Fig. 28, *K* should be *Philonthus politus* (Linn.) since *P. aeneus* (Rossi) is now considered a synonym. This has already been corrected in the list of species at the end. On page 5, line 21 "is" should read "are". In the list of species *Pseudopsis obliterateda* should be added, I believe to the Amaliini. On fig. 9C, *ptar* should be *ptgr* (or *tt.9*).

We have rearranged our bedroom today, and I hope now Ruth will be able to rest better. This house is not exactly vermin-proof, but our mosquito bars should keep everything off at night. Had breakfast a little early today, after a somewhat better night. Two of the men at the hotel started out to drive to Soufriere (town) and climb the mt. They wore ordinary clothes and shoes, and took

III-28-36

a huge lunch. They may be able to report on the road - it is 60 miles, clear around the island. By nine I was dressed and ready to go out too. Drove along the main road through the Cul de Sac Valley, over the ridge, and almost to Dennery. I stopped to collect in a pasture at Station 206.

About 1 mile north of Dennery on the east coast. In dung in a small pasture found ^{3W} Staphs (Paederinae - 1, Xantholininae (large) - 1, Aleocharinae - 1), and 8 Aphodius. The dung was scarce and rather dry.

This road is fairly good, and goes through some fine country. Real tropical forest, with many tree ferns, palms, bromeliads, etc., etc., but there is more or less cultivation mixed in.

I spent the afternoon writing letters. These were to True, American Consul at Martinique, Dr. Meyers of Darmstadt, Germany, Dr. Fenyos, Violet Lovell.

III-29-36

Mr. Bon invited me to go out into the forest with him today. We left at 8:30, but stopped at his lab in the Cul de Sac Valley to get some equipment. Then we crossed the ridge into the Roseau Valley - principal sugarcane center, by way of the road to Anse La Raze. We turned east on an unmarked road that follows the right bank of the Roseau River for about six miles.

The road finally ended at an elevation of about 350 ft. at the edge of the virgin forest. We picked up a native boy to carry our lunches and a plant press and then walked southward from the end of the road. From a hill we got a fine view of Morne Gimie, the highest peak on the island - 3145 ft. (Pronounced with French G - zzh).

Station 207.

- Bridge over Millie River just above its junction with the Roseau River. Inside a rotten coconut husk found 6 Staphs (Psepheninae - 5, Aleocharinae - 1), 7 Forficulids, and several Myriapods.
- B Banana stems found 14 Staphs (Psepheninae - 1, Omalininae - 6, Paederinae - 6, Aleocharinae - 1), and 5 Forficulids.
- C Under stones and excrement along a stream found 6 Staphs (Paederinae - 1 and 1 and 1, Aleocharinae - 2 and 1), 2 Caprinae, and 3 Forficulids (two very large). Also 2 small hemispherical beetles.

Station 208.

- About 1 mile south of sta. 207, elev. 750 ft.
- A In fungus on a log found three species of Staphs, apparently all Aleocharinae (about 37 specimens).
- B Under bark of fallen log found 7 Staphs (Omalininae - 6 and 1; both species slender, parallel, and flat, and may be Psepheninae), 3 Bosstrychids, and 2 Forficulids. Took one Lampyrid flying in the forest. This species was quite abundant. 2 Passalids in the log.

Sta. 208. C

At this same place opened a large termitarium of *Nasutitermes* sp. on the ground. Failed to find the royal chamber or the queen but took samples. Station 209.

A

The Roseau River at elevation 250 feet; at its union with a small branch from the right. Found 102 Staphs (Oxytelinae - 20, Paederinae - 1 and 11 and 6, and 4, Philonthus - several spp. 6, Aleocharinae - 42 and 7 and 1 and 4), 5 Carabids, 3 Aphodiinae, 1 larvae, + several others. On the trail between this station and the last we found in fungi on a log 119 Staphylinids, (red and black Aleocharinae) and many living ants.

Sta. 209. B.

During the day Mr. Bon spent most of his time getting Staphs for me. This of course greatly increased the day's catch. We were just at the edge of the truly virgin forest, and it was really tropical. There were many palms, ferns, tree ferns, vines, hardwoods, mosses, etc.

Coming home we discussed systematics, the proper foundation for such work, the conception of species, the propriety of a scientist entering a strange field, as in the case of the physiologist and the origin of vertebrates. We seem to have much the same ideas. His systematic specialties are ferns, *Diaprepes*, and *Diadorea*, his chief published work being on the last.

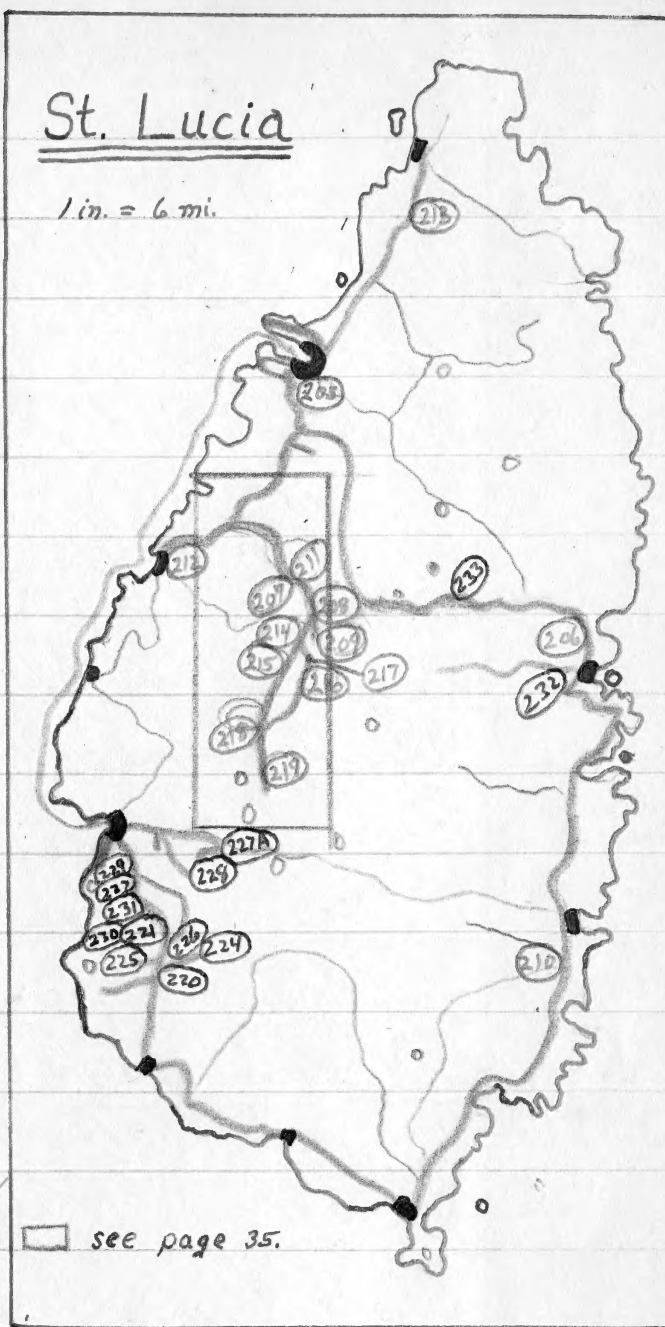
III-30-36

Went to town in the morning to mail letters, get stamps, inquire for mail, and try to get some large envelopes for mailing my thesis. Mr. Peter didn't have any, but I finally got 6 for 3d. at govt. office.

Wrote letters to Kiki and Iron, with checks.

In the afternoon recounted the Staphs taken in Jamaica, Haiti, Dom. Rep., Guadeloupe, + Trinidad. Got same results as before except for Jamaica, which came to 400 this time. ^{+ Trinidad 800.} With the last two months added, the total is now 6500 Staphs.

After tea I rode over to Bon's lab to use the binocular for counting yesterday's catch. Bon was there, but left before I had finished. Had a funny conversation with men loading cane where I parked. "Will it be in your way here?" "Yes. Yes." "It will be in your way?" "Oh, yes. Quite all right, leave it right there." !! No is an unknown word when a question is asked. If one asks two opposed questions, he generally gets "yes" to both.



III - 31 - 36

Up early today and got away from town by 7:45. Wasn't quite sure where I was going, but had my lunch and a tank full of gas. Went over the Cul de Sac Valley road to Lennery, south through Micoud to Vieux Fort, then west to Laborie and Anse Chaiseul, and north to the town of Soufriere, second largest in the island. I hoped to be able to go from Soufriere to Anse la Paye, but was told at the Police Station that it was quite impossible. Returned same way.

Stopped only once to collect. This was at Station 210.

1 mile south of Micoud on east coast, or $\frac{1}{2}$ mile south of Traumassie River on the main road. Under dung in a large pasture took 55 Staphs (Paederinae - 1, Xantholininae - 1, Philonthus - 4, Aleochara - 3, Aleocharinae - 46), 3 Sphaeridiinae, 8 tiny Nisterids, and 86 Aphodius.

This region is drier than the Castries coast, and is more rugged. The road passes over many ridges and skirts several bays. The only beach that appeared good for collecting was at Lennery. Near the southern end of the island the bays are lined with mangroves. Much sugarcane is grown in the vicinity of Vieux Fort, and a very interesting hill south of the town bears a lighthouse. It is Cap Maule à Chique, the

southernmost point. From Chaiseul the road climbs rapidly up a long ridge, affording a fine view of Gros Piton. This is a massive rock 2619 ft. high, rising from the seashore. The road then dips down into the Soufriere Quarter (not a real valley), and just before it enters the town, gives an amazing view of Petit Piton. About a mile north of Gros Piton, this one is almost as high (2461 ft.) and very much steeper - a real Matterhorn. It is one of the most impressive peaks I've ever seen.

I stopped at the Police Station in Soufriere and inquired about boarding houses. The one I wanted (that Bon had told me of) was about three miles back along the road. I stopped there and talked for half an hour with Miss du Boulay. She has a private home into which she takes a few guests. The governor, administrator, chief of police, etc., are among her periodic visitors. She has a very nice house, clean & well-painted, with modern fixtures. She was very willing to meet our desires as to price, etc. Only drawback is lack of electricity. The country round about would undoubtedly be much better for collecting than Castries, and we may go to stay there later on. I saw several large cocoa groves, several rivers, forest, etc. The scenery is more pleasant than any of the northern part of the island.


I ate my lunch before I reached Soufriere, and on the return trip I remembered I hadn't gotten any gas. I coasted down to Choiseul, but couldn't get any there. I was told the Rector on the road home might have some. I stopped at the Rectory and asked. The young Rector had little to spare but did give me one gallon. He had corresponded with Hatch in St. Vincent and knew Simmons and Haydock in Carriacou.

I made much better time coming home, but took advantage of every hill to save gasoline. Got clear home on that one gallon (imperial).

IV-1-36

April Fool's Day. Spent the morning on notes and the Report for February. Ruth didn't feel very well after lunch so I read to her till tea. Drew the map on the previous page last night. Meant to see Box today but he was in the country. Also intended to see Stanley John, but since today is a half holiday, I put it off.

IV-2-36

Went to town in the morning. Tried to mail copies of my thesis to Bierig, Varis, Watson, Ferris, and Watson. Found ~~at~~ they would cost 29¢ apiece, so decided to think it over! Went to see Stanley John. He says he can probably get me a few bird skeletons. I didn't talk to him about the cost, but hope it won't be prohibitive. 

Wrote report for March and a letter to Ed. Also wrote to Varis. Spent the afternoon packing specimens. Didn't get very far with it.

Just before dinner the S.S. Ingama came in. She brought from Trinidad (via Barbados) Sir Geoffrey Evans and a group of 8 students from the Imperial College of Tropical Agriculture (including Mr. Fennah).

Mr. Box loaned me a pamphlet on the Geology of St. Lucia. From it: St. Lucia is separated from Martinique on the north by 20 miles and from St. Vincent on the south by 25 miles. It has a maximum length of 25 miles and a maximum width of 12 miles. The highest peak is M. Gimie (3145 ft.). There is a central mountainous area, with more or less plain around the edge. Topographically it is an almost exact replica of Dominica. In St. Lucia the mountains are more "hummocky", the rivers smaller and less gorge-like. The Gros Piton (2619 ft.) and the Petit Piton (2461 ft.) rise from the sea on the southeast coast. Between them is a bay, surrounded on the third side by a continuous ridge of hills about 1000 ft. high. This forms an extinct crater, the western side of which has been carried away by the sea. The Petit Piton is a veritable matterhorn, with an apical angle of not more than 70°. Viewed from the south side it is seen to be split into two peaks by a N.W. - S.E. fissure. It was for long considered unscalable.

IV-3-36

This morning Mr. Box talked with us for a few minutes after breakfast. He was going to a meeting of some sort, over a matter involving him and Fennah. The latter apparently has been brought up here in connection with the citrus root borer, on which Box is working. Box naturally resents it.

At ten o'clock I decided to take a lunch and go out collecting. I went over into the Roseau Valley and up the Roseau River to the Millette River bridge.

Station 211.

- A Same as sta. 207. Under stones and sand along the edge of the stream found 56 Staphs (Oxytelus 11 and 1 and 4, Paederinae - 5 and 2 and 9, minute Aleocharinae - 10, other Aleocharinae - 14), 7 Carabidae, 3 Aphodiinae, and 1 other beetle. In dung found 8 Staphs (Paederinae - 3, Xantholininae - 1, Aleocharinae - 4), 2 Sphaeridiinae, 1 Forficulid, and 2 larvae.
- C In rotten cocoa pods found 1 Piestinae and 4 Forficulids. Caught one Lampyrid flying.
- D In a rotting banana stem found 10 Staphs (Piestinae - 2, Analiinae - 4 and 4), 5 Hydrophilids, 2 Weevils, and 1 ant.

There was a considerable crowd of natives about, this being the depot for loading bananas onto trucks - the end of the motor road.

I started back along the same road, stopped to eat my lunch overlooking the valley, and then turned off on the road to Anse La Raye. This road passed through the most parched-looking country I've seen lately. The effect is heightened by the habit of turning along the edge of the road. The little valley of Anse La Raye is a great contrast, being very green, with an abundance of water, a fine beach, and large groves of palm trees. I waded through the town, noticed that there was no seaweed on the beach, and then stopped just outside of town. Station 212.

Anse La Raye, 8 miles south ^{west} of Castries. In dung found 99 Staphs (Oxytelus - 96, Oxytelinae - 1, Paederinae - 1, Philonthus - 1), 1 Sphaeridiinae, and 37 Aphodius. This brings the day's total of Staphs to 174, and the island total to about 500.

IV-4-36

Spent the morning talking to Box and putting away specimens. Mr. Fennah was on the porch and remembered us. Sir Geoffrey and the students were out on a trip. Just before lunch I went to town to mail a letter for Ruth. It was to Scott's.

After lunch Mrs. Box left on the launch for a few days in Soufriere. Mr. Box showed us the pictures of his trip up Morne Gimie. They are small but very clear and complete, and show well the real tropical forest as well as the peak.

At 3 o'clock, in spite of the intermittent showers, I rode out to Box's lab house the microscope for counting specimens. Among these were the bugs taken from the fungus, as on page 5. Station 205, in fungus, 4 Staphs (red Aleocharinae-2, black Aleocharinae-2), 3 Hemiptera, 20 tiny red ants, 1 termite, and a dozen or more other miscellaneous things. Managed to get home without getting wet. It has been showering all day, and blowing hard.

The Lady Hawkins was in all day, and left in the evening. The two men who came here with us from Barbados, left on it for Dominica.

After dinner, to pass the time, I started making a set of 1"x2" slips to use in making the index to these journals. They will help make the volume indices as well as the one for all the volumes at the end of the trip.

My stomach has been annoying me some lately. I occasionally have a stomach-ache before a meal, lasting till afterward, but more often have an uncomfortable feeling a few hours after eating, just before going to bed, and when I wake in the morning.

IV-5-36

Had a talk with Box this morning after breakfast. He talked mostly of Fennah and what he is doing. He says Fennah suggested that the first thing to do on this project

was to obtain identification of the weevil pest. Box has been working on this problem of the control of the weevils on citrus for some time and has a large collection of the genus from all the islands. His specimens have been named by Marshall (D.A.K.), who is the recognized authority on weevils at the British Museum. Fennah has already suggested spraying the trees with lead arsenate, as a repellent, but according to Box the leaf-injury caused by the weevil is insignificant compared to its damage to the roots.

Box says Fennah was ignorant of the fact that this weevil occurs in Trinidad and So. America. It is not a pest there, and must be controlled by natural enemies. Therefore, the method to be recommended for its control here, involves the study of the weevil in Trinidad to find a parasite which can be introduced. Spraying is absolutely not feasible under the conditions found here, even if effective. There are as many as two dozen alternative native hosts, ranging from the Immortelle tree of the forest down to small shrubs. Fennah has had little or no experience, and Box feels he has gotten a little over-important because of being called here. He expects it to turn out to the detriment of both as well as the planters.

At 4 P.M. the Lady Drake came in from the north. She sails again tonight, and Sir Geoffrey Evans and the students go to Trinidad on her.

Mr. Box planned to bring the Morris's back to dinner tonight with us, but didn't see them. It continued showery all day, with strong winds, and rained hard during the evening. This may be the dry season, but this week has been wet enough.

IV-6-36

Rainy again today. Barnard Sons & Co. phoned that there was mail for us. It must have come in on the Lady Drake yesterday. I went down between showers, got the mail, and cashed our draft, getting part in cash and the remainder in a draft on Dominica. The mail consisted of letters from the Mac Coy's and one from E.B. This latter ^{had} inclosed a letter from C.H. Kennedy thanking me for a copy of the Morphology of the Coleopterous Family Staphylinidae. I don't know how he got it, but Ed will probably know. There was also a letter from Ferris, and a bundle of magazines, - 3 Sciences and a BBES.

In the BBES is an editorial that aroused me so that I spent the afternoon writing a reply to it. It really doesn't deserve a reply, but the subjects are worth discussing.

IV-7-36

The weather was a little less threatening than usual so I went out to do a little related collecting north of Castries.

Station 213.

1 mile south of Gros Islet or about 4 miles north of Castries on the Leeward road. In doing found 31 Staphs (*Oxytelus* - 21, *Amaliinae* - 1, *Paederinae* - 1 and 1 and 2, *Philonthus* - 1, *Aleocharinae* - 4), 3 Sphaeridiinae, 32 Aphodius, and 2 Forficulids.

The sky looked very threatening now so I came on home. Ruth had been to town with Mrs. Box.

In the afternoon wrote letters to EB and D.F. Ferris, enclosing the Reply to ^{an} Editorial in each. Also sent a check to the Smithsonian for my extra separates.

Met Box in the evening and he said he didn't think he could arrange the trip up Morne Kinie. Will get more details later.

IV-8-36

A wasted day. I finished up yesterday's manuscript and letters, and worked on the indices. Ruth went out to look at some fresh fungus on a stump and found some Staphs. Station 205, 24 Staphs (all one black species).

Sta. 205. A.

In the afternoon we both worked on stamps. Watched several small ships come in and go out of the harbor. One of them practically rammed the pier. It's very boring to wait around for good weather. I think I'll stop waiting.

IV-9-36

Today started out more threatening than ever, but it didn't really rain all day. I spent the morning writing a list of the entomologists I have met - 1924 - 1936. There are over 125 names. My idea is to arrange them chronologically in a notebook, with a line or two about each, where, when, & how I met them, and their specialty or subjects. I'll keep it in MS. for a while to make additions and corrections. It will be better than a Visitor's Book, I think.

In the afternoon I went out to Bon's lab. I transferred the steps he gave me (99 from Argentina and 3 from St. Lucia) to a smaller Bon for shipping and mounted two more lots under the microscope. (59 species + 3 species)

Bon suggested that we go collecting tomorrow up the ridge that ends in M. Reconnaissance, just below M. Gimie, at about 2000 feet.

After dinner I catalogued Wolcott's "Insectae Portoricensis", loaned to me by Bon.

IV-10-36

Got up at 7 A.M., and was ready to start by 8. A Mr. Leckie from the cable ship Enterprise came with us. We drove over ~~to~~ into the Roseau Valley and up to the Milette River bridge. We left the car and walked the mile up to the same Milette, from which there is a view of Morne Gimie, at 850 feet. This ridge heads almost south,

passes over a dome of 1600 feet, and one of 1800 feet, and apparently ends on the side of M. Reconnaissance. This peak (2000+ ft.) is shown on the maps connected by a ridge with M. Gimie, but actually is separated from it by a deep gorge.

At same Milette I climbed a high stump to take a picture of M. Gimie. However, the clouds hid the top and I took the picture of the valleys and ridges to the east of it.

We passed along the ridge, called Milette Ridge by Bon, sometimes walking for hundreds of feet without touching the ground - on interlaced roots, sometimes climbing so steeply we could only progress because of the strong roots and small trees that served as holds to pull ourselves up. There was more or less of a "track" for the first hour, but this faded out and we merely followed the ridge.

Before we reached the Milette Bridge we had picked up two natives to act as porters and cutters. One was a boy about 15, named Jacot or something pronounced that way (means Parrot), with a high falsetto voice and little English. The other was probably 25, named Enud. Both were bare-foot, and Enud did the carrying.

From the 1600 ft. peak, Bon took some compass bearings on other peaks to use on the detailed map he has been making of the isolated area.

Station 214.

On Milette Ridge about 1/2 mile south of Same Milette or 1/2 mi. south of Milette Bridge. ~~Under~~ *Dryfungus* on a log back 167 *Staphs* (*Alloch.* rinal, black 76, red 91), a *Torfucilid*, and many ants.

Station 215.

1/4 mile south of Sta. 214, on same ridge. Under leaves and rubbish found only 1 *Myriopod*, 5 snapping ants, one other ant, and 4 termites.

The ridge from here on becomes very narrow, with exceedingly precipitous slopes on the sides. In places there was scarcely room to put our feet on the crest, and again the trees and vines were our salvation. We had traversed nearly two miles from Same Milette when the ridge ran abruptly into a rocky hill. It seemed impossible to scale it without considerable danger, so we decided to eat lunch and turn back. Even turning had to be carefully done on this knife-edge ridge. I took a photograph of the party on the trail here with the abrupt drop on one side. A little farther back I had taken another of a very large tree covered with bromeliads. I'm afraid it was out of focus.

We had lunch about 1:30 and searched back to find a cross-trail to take us down to the

Milette River. Box stopped several times along here to pick new ferns for his collection. He must have gotten a dozen species. As we topped the first knoll we kept down the most obvious ridge, but soon realized we had swung to the east and were on a strange ridge. We went back and tried the next one to the left. This was still not the right one. We finally found our trail of cut plants and trampled ground, and followed it. Then Leckie recognized a certain tree that we passed as one we had seen since lunch! This caused a furor, and we got out the compass to check. Sure enough we had circled around on the knoll and followed back to the south! The natives were unconvinced but finally agreed to go with us. We took the direction we knew we should be following but failed to find the right ridge. As it was now four o'clock we decided to strike down to the Roseau River, and follow the trail from there to Same Milette.

We got down to a small stream and followed it for nearly two hours. It was rough going, and Box and Leckie were wearing light tennis shoes which didn't get any grip on the wet rocks. It was raining lightly almost continually from 3 to 6:30, and it sprinkled once or twice during the night.

We encountered several small waterfalls which had to be waded through the bush. This was a difficult proceeding since the valley was extra steep at these points. Finally, as the light was fading, and we figured we must be nearing the Roseau River and success, we came to a fall that must have been about 80 feet high. We decided to keep to the left bank and follow around the hill in the hope of finding the trail that leads up to Lame Mile. We climbed between 300 and 400 feet up the ridge, but the light was failing fast. We finally stopped and took stock of the chances. We were undoubtedly within half a mile of the trail, but might be several hours from it. There was no moon and we had no torches. So we decided to stay in this place for the night. The boys built a fire - one match - and we all set out to dry our clothes.

The only food left from lunch was fruit and a can of apricots. We ate the latter, made what shelters we could against the occasional showers and tried to sleep. On this particular ridge there were neither ferns nor palms to make beds, so we had to sleep on the ground. I had a three-foot square of canvas. It served alternately as mattress and tent!

Jacot went off by himself and apparently slept all night. He said he had fever, but Bob said he was quite cool. Mr. Leukie was restless all night and scarcely slept. I slept from ten to two-thirty, and Bob slept even longer.

Station 216

1/2 mile east of sta. 214, on a side ridge. Elev. 800 feet. Around camp fire took three *Lumpyrids* and one *Pyrophorus*.

Should also mention the luminosity of the ground under the leaves. Bob says it is due to the presence of *myrmica*. We found many leaves that glowed all over.

IV-11-36 We were all stirring before six o'clock, though it was not yet very light. We breakfasted on oranges, bananas, cheese, and native bread, and had enough water for one drink apiece.

We carefully checked the compass and the barometer to make sure of our direction, found a tree and started northward toward Lame Mile. We skirted the ridge, but as there was a chance that it joined the main Mile Ridge, I climbed up to the crest, and followed it to its top - a rounded knoll not connected to the main ridge. I rejoined the others below, and we soon sighted some fresh "clearings" which we knew were close to our destination.

The word "clearing" is quite misleading here. The natives cut down all the trees, burn a few of them but leave most lying in great confusion where they fell. There are interspersed with piles of brush and patches of red clay. Cutting ones way through the virgin forest is nothing compared to crossing these places, especially when the logs are wet and slippery.

It took us an hour to progress across less than half a mile of this, and it was the hardest going of the trip. We finally found the "owner" of the clearing, who showed us his track up to the main one on top of the ridge.

These clearings are made by the natives to get a little land to grow yams and bananas. By the end of the second rainy season practically all the soil has been washed off, and the land is abandoned. It never returns to jungle and the trees would not come back for many generations. There is no means of preserving this country from such wanton and useless destruction, though there is beginning to be some agitation about it. Even the timber that is cut is wasted. It is good water wood, but is left to rot there.

Just as we were starting up the trail I found a fungus with *Staphs*. All day we passed

fungus, but it was always the fleshy kind - *Polyzere*, not the gilled kind. The latter is the only one that yields any *Staphs* around here.

Station 217.

1/4 mile south of Lame Milite (and Sta. 208) at about the same elevation (750 feet). In fungus found 75 *Staphs*, all the red *Aleocharinae*.

Mr. Box had considerable to say about the destruction of the forest and the general intelligence of the negroes. He was extra hard on the boys too, and I suspect he was more tired than he admitted (which would not have been hard, because he admitted to no fatigue at all!). We followed down the main track on the ridge and then turned off to the left, down into the valley of the Milite River. This was to stop at a native plantation and get some coconuts to drink. Box seemed to think that 1¢ each was more than they were worth, but we took them. I guess he thought hospitality should have allowed the weary wayfarer a free drink!

I drank almost a whole one, the first time I've been able to since I was in Panama. We then proceeded down the trail to the road, and down to the car. Here we got some bananas from a native. The boys ate at least half a dozen apiece!

We were soon on our way. We dropped the box along the way, and then stopped in Roseau to phone ahead. In about half an hour we were home, and I had breakfast brought down here, so I could rest after a shower and shave. Rested all morning, - dozed off for a while.

Went up to lunch feeling merely tired, and then sat on the veranda listening to Rex tell what is wrong with St. Lucia. He had some good sales, but is a little over-critical.

The *Merissa* came by southbound yesterday and there was mail for us today. I got a letter from Ed and one from Laddy, and two newspapers. In the afternoon I wrote some in my journal, and Ruth took a nap. After dinner a three-inch centipede fell onto her from the roof. It has joined the collection of Arachnoids.

IV-12-36 Sunday. Spent much of the time on the cards for indexing these journals. Listened to Major Bowes on the radio in the evening.

IV-13-36 Went up to breakfast but didn't feel like eating. Came down and went back to bed. Apparently had no fever but felt rather unsettled inside. Managed to eat a little, and took a couple of aspirins. This apparently isn't a result of the trip.

IV-14-36 Got up for breakfast again and managed to eat it. My muscles haven't recovered from the trip, because the bed is so uncomfortable, but stomach is ok. Spent most of the day on the Indies and reading.

IV-15-36 Ruth didn't feel very well today. I went to town in the morning, and after tea we walked up the Morne (Fortuni) behind the hotel, then came down past Government House. We stopped there long enough to sign the Guest Book. Made it look as unimportant as possible, as we don't want to be bothered to go to any official functions. There is little danger, from what we hear.

IV-16-36 We have decided to go to Soufriere on Monday, to stay probably till we leave the island on May 17th. Telephoned Miss du Boulay, and set out to persuade Ruth that she will like it in Soufriere.

IV-17-36 Fully recovered now. Even my muscles are ok. Spent the morning and afternoon counting and labelling the specimens from the trip. I find I forgot to record several stations of April 10th.
Station 218.

1/2 mile south of sta. 215 on same ridge. In large termite nest could find no guests. Took queen and others.
Station 219.

1/4 mile south of sta. 218 on same ridge. Took one Lampyrid flying.

At sta. 218 I also found a single scale insect on

a vine which Box says is *Marcgravia* sp. The species is the southern form of the two recorded from the West Indies in the Flora of Jamaica.

So far on this island I've taken 924 plants. I seem to have wasted more than the usual amount of time and to have expended much less energy than in either Barbados or St. Vincent.

IV-18-36

Went to town in the morning - as did Ruth. Left a roll of films to be developed, got mail at Barnard's, and bought a 2/6 stamp for Ruth. I rode around to Vigie, past the golf course and bathing beach, and up to the old barracks and forts on the hill. I also got a box of excelsior for mailing the mounted plants from the Argentine that Box gave me. I went to see the launch Jewel which goes to Soufriere. It appears to be large enough to take the motorcycle.

At dinner-time we said goodbye to the Bois. He is going to Antigua and St. Kitts for a month while she is moving over to Vigie to live with the wife of one of the Cable Enterprise officers. This boat left today. The Lady Drake took Box, as well as Mr. & Mrs. Marris. We had seen very little of the latter.

IV-19-36

Sunday. Did some packing, but left most of it for tomorrow. We said goodbye to Major & Lady Dillingworth, who are leaving this evening on the Lady Nelson. In the evening I persuaded the large cat at the hotel to let me carry it down to our house. It stayed for nearly an hour. Listened to a very exceptionally good Major Bowes Amateur Hour on the radio.

IV-20-36

Spent the morning packing. Were leaving the trunk here as well as the damage bag, so put in them the radio and everything we can do without for about a month. I went to town to get our reservations on the launch Jewel, got some mail, including a letter from Westmore and 2nd Class.

We had lunch at the hotel and then I rode down to the quay to load the motor. Ruth came in a taxi with the luggage. The boat was ready to leave by 2:15 but waited for an invalid until 2:45. We finally left without him. From Castries Bay we went south along the coast passing the Grand Cul de Sac Bay, Roseau Bay, and stopping first at Anse la Pige and then at Anse des Canaries. This coast is not at all tropical-looking. It is xerophytic, but the hills behind are densely forested except where cleared. The latter places show up red-brown, because of the clay left by the rains.

As we rounded the point into Soufriere Bay we had a wonderful view of the two impressive peaks - Gros Piton and Petit Piton. The latter certainly appears inaccessible. The north side is very nearly perpendicular. We came up to the pier and landed the motor safely. There was a taxi waiting for us, and after I got some gasoline, Ruth followed me in the taxi to Miss du Boulay's. She gave us the large downstairs room, and then we had tea. We did some unpacking and rearranged the furniture before dinner. During and after dinner we collected hardbacks at the gasoline lamps.

IV-21-36 Spent most of the day unpacking and getting settled. We went for a short walk before lunch and I went for a short ride in the afternoon while Ruth rested. She is being bothered again by hay fever. We collected again at the lights. This is Station 220.

A Du Boulay Estate, St. Remy, 3 miles southeast of Soufriere. At light took one of the largest vials full of brown Melobantiniinae (three species, at least), with an Elaterid. Will keep this lot open for further captures. The hardbacks aren't scarce!!

IV-22-36 Ruth broke the frame of her glasses, but I managed to mend it with silk thread. She went walking with Miss du Boulay, and I went out collecting.

Station 221.

1/2 mile northwest of St. Remy on the road to Soufriere. In weevil old cocoa pods found the best collection of the trip: 677 Staphs (3 sp. Piestinae - 13, 4 or 5 sp. Pauderinae - 38, 2 sp. Philonthus - 10, Coproporus - 226, Aleocharinae - 390 of 4 or 5 sp.), 32 Hydrophilids (?), 11 Mhidulids (3 sp.), 2 weevils, 21 Scolytids, 6 other Coleoptera, 26 Forficulids, and bugs, ants, and thrips. One of the Piestinae is a small narrow rostrate form similar to an American species - possibly *Pseudopsis*. The other two are the usual rocoa type. The Coproporus seem to be all one species, the same as on the southern islands.

This brings the island total to 1601, and the trip total to 8000.

IV-23-36

Today I packed a few odd specimens that have been lying around for months. Two of them require new station numbers. They are

Station 222.

Home Hotel, St. Georges, Grenada. One cockroach.

Station 223.

½ mile east of St. Georges, Grenada; elev. 600 ft. ±.

A large humble-bee, taken by Wilfred-house boy.

Spent the morning putting away specimens to clear a few large vials and in ~~part~~ drawing the diagram on next page to illustrate the two trips I made with Box along the ridge north of Morne Gimie.

In the afternoon I catalogued one Pan-Pacific Entomologist, one Entomological News, and one Bulletin Mensuel de la Société Linnéenne de Lyon. The March Ent. News did not have the record of my paper on Morphology of the Col. Fam. Stephylinidae.

I went for a short walk down behind the house, and found some pieces of grapefruit. This is station 220. I found 5 Staphs (Tachyporinae-1, Aleocharinae-2 and 2) and 4 Mischidulids.

The Tachyporinae is a shiny black Coproporus.

Washed some vials, and spent the evening reading. As usual we caught several dozen of the brown scarabs at the lights. Have the second vial half full now.

IV-24-36

I wasn't feeling very spry today, my digestion working poorly, so I accomplished little. Cut a lot of vial squares for packing specimens, and taped several of the large vials to protect them. Read quite a bit, and caught more of the Melothrinae at the lights in the evening.

Miss du Boulay left to go to Castries for the week end.

IV-25-36

Ruth and I went for a short walk down the hill behind the house. I collected again in the old grapefruit rinds.

c. This is station 220. On the fruit found 74 Staphs (Paederinae-1, Coproporus-40, red Aleocharinae-33), 5 Hydrophilids, 3 Mischidulids, ants, & par. Hymenoptera.

d. In very old cocoa pods found 21 Staphs (the usual broad Psepheninae-2, a smaller very slender Psepheninae-10, Paederinae-8 and 1), 4 Forficulids, and a few ants.

After lunch I did a little exploring on the motor. Followed the side road past the house down along the Durogne River to Unionville.



Diagram of area between Roseau Valley and Morne Gimie.

This is an estate at the end of the road just at the base of the Gros Piton. I then returned and followed the road to Belleplain Estate. Here I stopped to work some very fresh cocoa.

Station 224.

Belleplain Estate, 4½ miles southeast of Soufriere. In freshly cut cocoa pods found 61 Staphs (Paederinae - 8, Coproporus - 15, Aleocharinae - 38), 7 Hydrophilidae, 6 Nitidulidae, 4 Selysids, 2 minute beetles, 4 Forficulids, mites, ants, bugs, and a spider. The pods were too fresh.

After tea Ruth and I put stamps in the notebook she is using as albums. They are much better than the stock cards she has been using before.

IV-26-36

Spent the morning on the motorcycle. It has been missing lately, so I removed the rear head in quest of oil or carbon. It was only a little dirty. I then tried changing plugs and high tension cables but without bringing the rear cylinder back to normal life. Adjusting the carburetor mixture seemed to help considerably, so I let it go at that. The battery is low again. It probably needs distilled water. After lunch I read to Ruth and brought my Field Notes up to date. They were two months behind this journal.

After tea we had a call from Mr. & Miss Leonard Leveson. He works at Minvielle & Chaumont in Castries and is here for a vacation. He collects stamps, so we talked stamps all the time. They came on a one-cylinder BEA motorcycle, and apparently ride together on it a lot.

IV-27-36

In the morning I walked down the hill behind the house, crossed the river in its deep narrow canyon, and climbed up the other side to a pasture.

Station 225.

½ mile southwest of St. Remy, across a branch of the Durogne River. In dung found 9 Staphs (Paederinae 2, Aleocharinae 7), 51 Aphodius, 6 Coprinae, & 2 ants. Also took a Lampyrid flying, and a Psephenid in a log.

Ruth followed me down to the river and we walked back together. Stopped to look at the grapefruit again but it was too dry.

In the afternoon I went to Soufriere to get some stamps (for postage and collection), and we worked on stamps the rest of the day. Miss du Boulay came back on the launch at tea time.

IV-28-36

Ruth finally put on her new trousers and went for a very short ride on the motor. First time I've ever gotten her out on one of my motorcycles! I didn't do much else this morning. I've gotten terribly shiftless. Perhaps that's because collecting is so very easy here.

After lunch we walked a short distance from the house and stopped at a pile of cocoa.

Station 226.

1/4 mile northeast of St. Remy. In fairly old cocoa pods (still colored) found 358 Staphs (Pis. 22, Amal. 2, Paeder. 12, Phil. 3, Coproporus - 173, Aleocharinae - 146 of several species, 7 Hydrophilids, 4 Nitidulids, 1 Scolytid, 10 other Coleoptera, 12 Forficulids, and a few ants.

Teuth was a little tired so we came home when I went out on the motor for an hour.

Station 227.

1/4 mile north of station 221, or 3/4 mile north of St. Remy on main road. In fresh cocoa pods found 271 Staphs (Pis. 2, Paeder. 7, Coproporus - 65, Aleocharinae - 200 of several spp., 1 Hydrophilid, 1 Nitidulid, 1 Forficulid, etc.

Now the island total is 2400, and the trip total about 8900.

A copy of the local paper The Crusader brought up the subject of the recent St. Vincent riots and the Administrator's subsequent censorship of the press and cable office. His actions were upheld by the Secretary of State for the Colonies, but the man was very shortly transferred to the Seychelles as Governor. It is actually a raise in rank, but the point is that they immedi-

ately transfer an official under whom occurs such disorders, rather than leaving him to settle the matter and make a satisfactory ending to it. The man who is to succeed him comes from Fiji, and it is rumored that his experience is limited to "aborigines", while here he will find a large percentage of partly educated blacks with a few wealthy and influential ones. The British should have learned by now how to manage their colonies but this doesn't appear to be a good example. Neither is the Imperial Institute of Entomology. It has at least three men working on sugar cane moth-borer control in the West Indies, yet they are completely independent and working on different theories. No one benefits by anyone else's studies, unless they happen to be published later on. The men know they may be transferred at any time to the other side of the world. The result is a great deal of duplication and wasted effort - paid for chiefly by the local planters, and to some extent unpleasant feelings between the men themselves, - each being sure of his own particular system and its advantages. The men themselves see the need of some means of coordination, but it is not supplied by the Institute at home.

IV-29-36 Had planned to go collecting in the Soufriere Valley today, but it set in for an all day rain. So I spent the morning on accounts and checking over correspondence, and wrote a letter to Bailey in Puerto Rico, and one to Stanley John in Castries about the bird skeletons.

I read to Ruth most of the afternoon, and after tea we rode over to visit the Sevans. We took along some stamps to exchange, but so far I think we got more than they. He gave us a lot of the Martinique pictorials, some fine Sweden, St. Lucia, etc.

I was much amused at his comments about the motorcycle. Thought it was too heavy - built for sidecar service!

IV-30-36 Started out raining again. Ruth was not feeling well so I read to her some and worked some on stamps. After lunch I rode into Soufriere to mail letters. I then rode along the "road" that runs along the beach toward the Petit Piton. It is only about a mile long, but I followed for a short distance a rough trail that circles the Piton. This track is quite rocky and I failed to give one rock enough clearance. The result was a broken brake rod - which is serious. I managed to make a temporary repair, and then came down the hill in low gear

without needing to use the brake. Found a man in town who says he can fix it, but it was too late to do it today. Came on home, riding rather gingerly, - without a brake.

We expected mail today, but a phone call reported that none had come for us.

V-1-36 Went to town in the morning and succeeded in getting a new brake rod made and installed. Another part of the brake assembly was found to have a bad but not recent crack. Will have to come back to morrow to have that fixed. Wrote to Harry Iron to send new parts for both.

The Post Office had a big batch of mail for us. Must have been some sort of mistake yesterday. I got a letter from Mother & Daddy, a San Francisco Chronicle, and two Sciences, one N.E.S.A., one Ent. News, and a Ward's Ent. Bull. Ruth received letters from her family, various friends, and the hinges from Leo's.

We spent the afternoon and evening putting stamps in the little copy book albums, and decided to keep our top picks in these 2 penny books also. After tea Mr. Sevans and his sister came down and we exchanged a few more stamps. His conversation doesn't get more pleasant on further acquaintance. I was quite bored and probably looked it.

V-2-36

Went to town again and waited all the morning for the mechanic to do the job. He finally finished and I got home to lunch. These repairs cost me four shillings.

Spent the afternoon putting stamps in the albums. Went through two of the "1000" packets of hinges! Evening at same thing except for an hours diversion with the gasoline lanterns. One broke down completely, one had a broken mantle, the third leaked, and only the entrance of a new one saved us.

V-3-36

Sunday. Intermittent showers dispelled whatever ideas I had of going out. So I spent the day on stamps and periodicals. We found a bedbug on clothes in the closet, and that perhaps accounts for four large bites I've received about my waist.

V-4-36

Still more rain than usual. I intended to go out, but found no opportunity. So worked on stamps and read. We now have all the stamps in albums - 1600 of them, and about 2900 in the duplicate books. Can't do any more till we get more hinges. We have become used to running down both large and small cockroaches, and tonight I caught a large spider which I with saw underneath my chair.

V-5-36

The weather was not quite so threatening today, and I started out for Soufriere Valley. After mailing letters in town I rode up the valley for about two miles. I saw little chance to collect, but finally stopped near the river where a side "road" starts up the south side of the valley.

Station 227A. ($\frac{1}{2}$)

Along the Soufriere River about 2 miles up from the town. Searched along the river bank without any success. Crossed over and opened several old coconut husks. Found 24 Staphs (Psepheninae - 15, Pseudopsis - 3, Staphylininae - 1, Philonthus - 1, Aleocharinae - 4), 3 Hydrophilidae, 1 Curculionidae, 1 Scolytid, 2 larvae, 1 other beetle, 1 Forficulid, and some ants.

I followed a trail to the top of a nearby hill.
Station 228.

$\frac{1}{4}$ mile southwest of sta. 227A on hill over the river. In dung found 7 Staphs (Platystethus 1, Xantholininae - large - 1, Aleocharinae - 4 and 1), 5 Aphodius, and a few ants. This specimen is not exactly a Platystethus but is similar. It is a new species to my collection, at least. The Staphylininae mentioned above is a very slender species resembling the Philonthus; it may turn out to be a Tachininae.


I returned home without finding other place to collect, but caught a beetle flying in road. Station 229.

1 mile southeast of Soufriere, along main road. *A. Mucedula* () caught flying.

This afternoon the Adm. & the Mr. Baines, the Attorney-General Mr. Bell, and Captain Wright-North of Public Works came down to stay overnight. I spent the evening work here in our room so didn't even meet them.

Last Sunday I made out a list of the things I particularly like to eat and those I don't eat, since then the meals have been prepared for me. My preferences weren't expensive. It was the fear of repetition that spoiled them before.

This morning at breakfast we met the visitors. (See Ruth's journal for descriptions.) I didn't go out, but wrote letters to Stanley John, and some notes. I remaned the battery from the motorcycle. It had overflamed a little and was spalling the paint. So I washed the case and battery and greased everything carefully. After lunch I went to town to get gas and some change for Miss du Boulay. It is half-day holiday as usual, but Mr. Endonil was at his store. He showed me some old coins he has picked

up in circulation, and gave me at face value two shillings - 1822 and 1826. He also showed me a fine example of the old Spanish coins used here by the French. It is dated 1793, has a bust of Carolus III, and was worth between four and five shillings. The French would cut them into three, four or five pieces - thus:  These pieces are stamped "S. Lucie". He is willing to part with them but doesn't know their value. They are quite rare here - none at all in circulation.

He also gave me a fine 5 shilling piece - a crown. After tea Ruth and I walked down into the woods below the house. Under chips on fresh stumps we found quite a few beetles. This ~~Station~~ is Station 220. Found 53 Staphs (Psephenae - 51, *Cephus* 1, *Aleocharinae* - 1), 2 sp. of Hydrophilids - 19 and 7, ~~1~~ 1 Carabid, and other Coleoptera. We also caught flying 2 Staphs, 1 Psephenae (like *Leptochirini*) and 1 Staphylinid (as at bottom of page 43). Total 2484 St.

I-7-36 In the morning wrote letters to EB (asking for new boots), Archer and Coals Tar lique in *Tomia*. It rained harder today than usual, and it was useless to go out. I spent the afternoon on accounts, trying to make up the summary to send with my report. It is very tedious work. Rest at it all evening. Just

before bedtime the messenger arrived with some mail. Ruth got three letters from her family, and I got letters from Mother, Tim Gressitt, and two concerning my thesis, from Jan Moore, San Diego, and R. L. Post, Ward's Nat. Sci. Est.

V-8-36

Continued with the accounts, and Ruth helped. We had a long argument about the proper way to keep our account. Neither could see the other's points at all. Finally gave it up.

In the afternoon we went collecting together on the motorcycle. Stopped first at Station 230.

Same as sta. 221. In cocoa pods found 232 Stapho (Piestinae-1, Philonthus-6, Paederinae-2, Coproporus-123, Aleocharinae-100), 1 Carabid, 11 Hydrophilids, 23 Nitidulids, 1 weevil, 19 Scolytids, 28 other Coleoptera, 24 Forficulids, etc.

After tea we went down again to the stumps mentioned on page 45. This is station 220. Found 40 Stapho (Piestinae-34, another very slender same-3, Omaliinae-1, Platyskethus-1, Coproporus-1, Aleocharinae-1), 19 Hydrophilids, 1 Scolytid, and 3 Forficulids. The Platyskethus is the first I've seen, but quite similar to this genus. The Omaliinae is a very flat but broad (not parallel) species like some of the flower species. The Coproporus seems new. Spent the evening reading a mystery story.

V-9-36

Wrote letters to R. L. Post, J. Moore, Soc. Ent. France, Stanley John, and a card to Rev. Oscar Blackwelder in Washington. Toke to town to mail these (12 with Ruth's), and on the way stopped to climb a hill and take a photo of the Petit Piton.

After lunch Ruth and I went collecting again. Station 231.

Between sta. 221 and sta. 227. In cocoa pods found 628 Stapho (Piestinae-11, Paederinae-16, Stelini-1, Philonthus-10, Coproporus-236, Aleocharinae-354), 25 Hydrophilids, 2 Histerids, 63 Nitidulids, 1 Acarid, 67 other Coleoptera, 8 Forficulids, etc. The island total is now 3385, and the trip total 9900.

V-10-36

In the morning wrote letters to Arner in Trinidad, Jester in Barbados, the SA, Tim Gressitt, and Paul Avery (started). The weather was good but we didn't go out at all. After lunch I read to Ruth for a while and then worked on stamps. After I typed the letters, and after supper read aloud from a mystery story to Ruth.

Miss du Boulay brought some local newspapers with the first definite news of the collapse of (Ethiopia) Abyssinia. They record the sacking of Addis Ababa and the flight of Haile Selassie into French Somaliland and then aboard a British ship.

II-11-36

Very rainy this morning. Wrote letters to Tim Bressitt and some more on Paul's. Copied Field Notes up to date. At 3 o'clock we were scheduled to go down to see the sulphur springs and baths, but the car didn't come till four. We went directly to Diamond Estate, where Ruth and Miss du Boulay sampled the hot baths. There is a stream nearby of very whitish sulphur water. We went back to Soufriere Estate for tea, and later down to the beach at Soufriere. Then back to St. Pierre.

II-12-36

Started writing the report for the year. Wrote also the application for extension of the Scholarship. In the afternoon Ruth helped me to finish the Expense Account.

After tea we went down the hill again to look for Staphs. The stumps yielded little.

- H This is station 220. Under chips of stumps and in rotten wood of logs (both breadfruit tree) found 20 Staphs (flat Piestinae - 5, slender Piestinae 14, Aleocharinae - 1), 1 other Coleoptera, 1 Histerid, and 3 termites. In very old cocoa pods found 22 Staphs (flat Piestinae - 2, slender Piestinae - 15), 2 Nitidulids, 3 other Coleoptera, and 4 Forficulids.
- K In fungi (fleshy) found 2 Staphs (Aleocharinae) and 8 tiny but long red ants.

Have recently added a good number of Scarabs to the large batch taken at lights when we first arrived here. There are three species. Have also a small vial of miscellaneous things from this station. Mostly flying: 7 Lampyrids of 3 species, 2 black weevils (probably *Diaprepes*), 2 Aedemeridae, 2 Coccinellids, 1 Chrysomelid, 1 Cysticid, 1 Postrychid. A large vial has: 1 large spider, several Scarabs, 1 green Cerambycid, and one or two other beetles. In fungus Ruth took one *Aphodius* and 1 other small beetle, and we found one bed-bug on our clothes.

II-13-36

This is our last day here. I spent the morning on the letters to Wetmore, and then Ruth and I rode down the road about a mile and a half to see the Soufriere - sulphur springs, etc. It was quite a sight, - a sort of amphitheatre about 150 yards across, all broken up into spring holes that ^{are} bubbling out furiously a dark gray liquid. The whole area is covered with sulphurous deposits, and there is steam escaping continually. The ground is quite warm and not very safe. The sulphur is evidently too much for the forest plants as the near by slopes are covered only with a coarse grass. An American company has left the remains of its attempt to produce the sulphur at a profit. We took three photos.

but I also made one triple exposure. Took a few samples for etc.

After lunch I rode to town to make reservations on the Jewel for tomorrow morning. On the way home I passed the Soufriere again and followed the road further. Passed the Versine Falls, which can be duplicated along any road in the Serras, and took another photo overlooking the "crater." This is anything but a "road," but I managed it.

Ruth had callers after tea, - a farewell visit from Miss du Boulay's mother & sister. Spent the evening packing.

VI-14-36

At 8:30 the taxi came up. I rode on the motor while Ruth and the baggage went in the taxi. We said goodbye to Miss du Boulay and St. Remy, and reached Soufriere ~~at~~ before nine o'clock. I mailed some letters, put the motor on board, and paid out a lot of shillings! We started about nine fifteen, and as we passed the point I took two pictures of the Pitons. The trip was uneventful. We ~~we~~ stopped at Anse des Canaries and Anse La Raye. As we entered the bay I saw half a dozen very pretty white gulls, long winged and slender, and more graceful than ordinary gulls. Also some quite a few frigate birds. Passed the

Photo #104
#105

Grand Cul de Sac Bay and Roseau Bay and arrived at Castries at 10:45. A taxi was waiting, and Ruth went right up to the Hotel St. Antoine. I got the motor, stopped for gas, to see Mr. Peter, to see the customs people about the crate, and at the Post Office to direct our mail.

Spent the rest of the day unpacking and re-arranging. I went to the customs to take apart the crate for the motorcycle and have the bolts fixed so they won't turn. Left the bolts at a blacksmith shop.

VI-15-36

Rode to Rennerly, the only place on the island where I've seen a beach with seaweed.

Station 232.

Beach at town of Rennerly, windward coast. Under seaweed found 3 *Cephus* and one of the brown Carabids.

On the way home stopped at a stream to look. Station 233.

Ford d'Ar River at the highway bridge. Found no insects, but took one legless salamander^(?).

At dinner we took a large vial of Scarabs at light. Station 234.

Same as sta. 205. About 4 species of Melolonthine Scarabs, including six of a large black one. One is the same as taken at Soufriere, but the other three are new.

V-16-36

Went to town three times in the afternoon. Made reservations on the Nerissa, arranged for the motorcycle and taxis, said goodbye to Mr. Peter, got some stamps for Ruth at the Post Office, and a letter from Wilfred. Later got the bolts for the crate from the blacksmith. Ruth wanted to see Vigie, so we rode across there after tea. When we got home we had a call from Leonard Devaux. He wanted to use the previously despised Scott's catalogue. Ruth says I was very rude to him, but I was merely "stinko bored".

After dinner I went up to the hotel and found a lot of beetles around the lights. One of the waiters had brought me a fine Prionid, and now I found another green Cerambycid, several kinds of Melolonthinae, Aedemeridae, and what seems to be a Meloid.

Some time today I seem to have lost my pen. I'm afraid it was left at the Post Office. If so, there is some chance of recovering it.

The S.S. Lady Hawkins was in today. We met a Mr. _____ from her at lunch.

V-17-36

I spent most of the morning reading. After lunch I went to town to work on the parking of the motor, but found the customs yard locked. Had to wait till after tea, when the Lady Drake came in. Then we discovered that

someone had stolen several of the small pieces of metal, and had to scare up a blacksmith to make some new ones. Finally got the crate to the dock and put the motor in. It was nearly eight when I finished and walked home.

Stanley John was there with two skeletons. He had them prepared and poisoned, but since we were practically broke we had to promise to send him the money from Dominica.

Spent the evening packing. Kept the radio out till the last moment. Said goodbye to the Loharts, the Box's, and Capt. Wright-North. The Nerissa arrived about 12:30, and we went aboard about 1:30 A.M. We came ashore again to go to Skeeter's Curiosity Shop, where Ruth arranged to buy stamps and I got two coins for the collection.

V-18-36

Anchored off Fort de France, Martinique about 8 A.M. I had planned to go ashore to see the American consul, but the time in port seemed too short. We sailed at ten, passed M. Pile and lava flows, and watched the very rugged and densely forested northern parts. We met a Mr. & Mrs. J. J. Crain homeward bound from Barbados. They were very pleasant people. Took 3 photos, — 1 double exposure!

V-18-36

We anchored off Roseau, Dominica shortly after two P.M. Mr. Archer, the Furness Agent, came aboard, and we were plagued again by hotel porters. We had had cabin #4, and Pragnell was our steward again. We had the same English waiter that we had once before, - he is still pretty terrible. Came ashore in a row-boat.

The customs was not quite as easy as usual. Had to sign an estimate of value of everything.

We then got a taxi, went to the bank to cash the draft, then went to two boarding houses and one hotel. Mrs. Macgrane's B.H. impressed us rather poorly. Lady Nichol's B.H. appeared to be satisfactory but we couldn't see the rooms. She wanted \$25 a week. At the Cherry Lodge #.

Mr. Tavernier brought his price down to \$250 a month a piece, and we accepted. We arranged the rooms as bedroom and sitting room.

Today has been very warm here, but I might hear that it is actually a very exceptionally warm day - for any season. It was 85°.

It was too late to do any government business today, so we had tea and then unpacked.

For dinner Ruth had fried Crapaud - the Dominican specialty. Not only the legs but body are eaten. I had an omelette instead.

V-19-36

The evening we left St. Lucia Mr. Bon gave me 5 vials of Staphs from Antigua and St. Kitts. He had just gotten back from a ~~week~~ ^{month} trip up there. My actual total for St. Lucia was 3432 Staphs, about 1000 other beetles, and many other insects.

Like yesterday, today was overcast and gave us frequent showers. I spent the morning at the Treasury trying to arrange for the motor. Finally, after considerable discussion, I was allowed to post a guarantee (with Mr. Archer's signature) of £19. I couldn't find the Chief of Police in, so licenses must wait.

Yesterday's heat continued today. We'll have to get used to it again, I guess.

V-20-36

So rainy this morning that I didn't go over to unpack the motor. In the afternoon Ruth and I walked over to the Post Office and got stamps for postage and collation. Leeward Islands stamps are used conjointly with Dominica ones. Certain of the former that we got are of an older type which should be out of circulation. Why???

Forgot to mention that we got letters on Monday and a package of second-class matter yesterday.

V-21-36

After paying wharfage fees and standing in lines for nearly an hour, I got the motor freed. After lunch the hotel porter Freddie helped me unpack it. It was in good condition.

Spent the rest of the rainy afternoon on the index to Ruth's Journal #3. Tried to get in touch with someone selling stamps.

Mr. Tavernier has told me of the roads on the island. There are even less than on St. Vincent. Three short routes from Roseau, and one across the northern end of the island. The latter is reached by launch to Portsmouth.

V-22-36

Went to see the Chief of Police. He is out of town, so I was to see Sub-inspector Lieutenant Lawes. He was out, so I left a card and came home. Ruth had been to do errands. At twelve Lt. Lawes phoned and I went over again. He said I would have to take a driving test (5 shillings). So I came back to get the motor and then let the Serjeant follow me about town. Then the Lt. gave me a recommendation which I took to the Treasurer. He said they would arrange a free license, but would charge me £1/10/- wheel tax on the motor. As I demurred he said he would see what could be done by tomorrow. I also had to arrange for the storage of the crate.

After tea we got a few stamps (Cat. #3.21 for #0.81) from a chauffeur who sells to tourists on board. Finished Ruth's index, and talked for a while to Mr. Tavernier.

V-23-36

More trouble about the licenses. The Treasurer sent me to the Government Offices, where I talked with Mr. Cools-Fertigue and the Administrator (Acting) Mr. Baynes. The conclusion is that the only way to get out of the high tax is to apply to the Legislative Council for refund. The Treasurer said the license could not be issued till Tuesday, but I could ride till then anyway.

It is very warm again today, and cloudy. After lunch I rode along the northern coast road to the Imperial Road which leads to the interior. Followed the latter for about a mile, but decided it would be too far to any interesting country. On way back stopped at the Baery River, about a mile north of Roseau. Found nothing along the stream, and could find now here else to collect.

V-24-36

Sunday. Rode along the southern road today to Ewarton, then turned onto the road over the ridge and down to Grand Bay. This passes through some very fine country - tropical and wet, but offered little chance for collecting. At Grand Bay I found the beach composed entirely of six-inch boulders! The flaunted swimming here is in the river! Stopped in a small pasture but could find no fresh dung. Another collecting failure.

Also rode about two miles up the southern
of the two roads east of Roseau. Cultivation
all along, but no cocoa.

The prospects for collecting are not bright,
to say the least, and other things that
we learn do not endear the island to us.
Mr. Tavernier talks to us during most meals,
and his remarks scarcely amount to ads,
though they are almost intended as such.
The power plant for Roseau is powered by a
direct engine, in spite of a super-abundance
of water power! The land is so productive
that no one has to work, and as money is
therefore scarce there are practically no taxes.
The government is run on duties & licenses.
No one supplying milk in town runs more
than 2 cows! Ruth mentions some advan-
tages in her journal, but I'd classify things
differently, - not advantages & disadvantages,
but 3 groups, - advantages, things properly to be
taken for granted, and disadvantages. I've seen
scarcely any of the first, a few of the second,
and quite a few of the last.

We expected a mail boat today, but it won't
be in till Tuesday. I'm hoping it brings the
microscope. Listened to Major Baines on the
radio and went to bed early.

V-25-36

Empire Bay. Went out collecting along the nor-
thern road. Crossed four rivers in ten miles,
Roseau River, Baery River, Mahaut River, Layan
River. Only found one place to collect, though
I tried the beach also. It is very rocky, and
only occasionally has a trace of seaweed. I
found nothing alive under it.

Station 235.

Hillsboro, estates Mr. Rolle, near the mouth of
the Layan River, just south of St. Joseph. In
A very old cocoa pods found only 2 Paederinae, 2
other Coleoptera, and 4 myria pods.
B Then found some freshly cut pods, and took
142 Staphs (Paederinae - 1, Coproporus - 65, Aleocharinae -
76), 91 Hydrophilids, 77 Nitidulids, 1 Coleoptid, 4 weevils,
50 other Coleoptera, 3 Termitids, etc.
Returned home without finding other places.

V-26-36

Stayed home today and spent most of the day
on stamps. Bought some from a boy who has
quite a few very good ones. A Furness boat
was due today, but isn't expected till tomorrow
evening. Mr. Tavernier of the Hotel has been worry-
ing about a sharp increase in electricity recorded
by his meter since we put in the radio. He had
a man come out to test it, and found that it
takes 70 watts on the 220 line. That doesn't
nearly amount for the increase, but I'm afraid

he isn't entirely satisfied. Current here costs 30¢ a kilowatt.

V-27-36 Spent nearly all day on stamps. Bought quite a bunch from a boy whom we suspect of selling for Mr. MacIntyre at the Treasury. He had a great many medium value stamps at a reasonable price. The boat is due ~~tomorrow~~ tonight (S.S. M.C. Holm), but the mail won't be distributed till tomorrow.

V-28-36 Got some mail this morning. Letters from Buchanan, Voris, ~~and~~ Ding, and E.B. The letter sent back the copy of MS on Reply to an Editorial. He considered it OK, and Ferris is submitting it to AESA. There was a package for me at the customs, but it turned out to motor parts from Iron. The Treasurer refused to let it in free, so I went to see Cook-Larigue. He said it was a proper ruling. Ding being now so I don't expect any help from the government, - I'll be lucky if they just don't hinder me any further.

Worked on stamps again to get my mind off the Customs. Bought a package of Guadeloupe and Martinique, - mostly duplicates.

The radio man came back to install a special line for our radio. No meter - flat rate of \$1.50 a month. It took me a long time to make him see what a simple job it was, but he finally did get through. The parts cost 2 shillings.

V-29-36 In the morning Ruth and I went collecting on the motor. We stopped in a citrus grove near the Boery River to collect in dung. Station 236.

4 mile north of Boery River, at its mouth. In dung found 30 Staphs (*Oxytelus*-26, *Paederinae*-1, *Philonthus*-1 and 1, *Aleocharinae*-1), 1 *Sphaeridiinae*, and 104 *Aphodius*. In flowers took 5 small black weevils.

Rain made us come home early. Ruth didn't feel very well in the afternoon, and I read to her some. Also drew the map on the next page, from one loaned me by Mr. Janernier. It was taken from a rather old book, but is the only thing available except the chart.

Mr. Archer told me that my experience with the Customs was quite typical. He told several other wild ones. However, I found out that there will be no trouble over the microscope, as the law allows ^{all} scientific instruments free!

Signed the book at Government House. V-30-36 Decoration Day. Stayed home today, but can blame that on threatening weather. Have a lot of insects waiting to be packed, but am waiting for the microscope. It may come tomorrow on the Lady boat. Went to bed early, as Ruth was rather tired.

V-31-36

Sunday. This week has passed incredibly fast, but very little has been accomplished. I had thought to ride up the Imperial Road, but didn't. The day turned out perfect, and not too hot. Both the ^{S.S.}Lady Nelson from the north and the ^{S.S.}Lady Anne from the south came in early. We got some mail from each: from Lou Friggell, Howard Hinton, and Ruth's friends on the former, and from Stanley John on the latter. He reports the recovery of my fountain pen and will send it soon.

The day brought some more stamps yesterday, but we cut our price way down. It still accepted. I've been preparing new albums for our West Indian stamps, but can't do much more till we get some more hinges.

Wrote a three-page letter to Ed, with the latest monthly report. Haven't heard from him for more than a month. Don't even know whether he has actually sent the microscope.

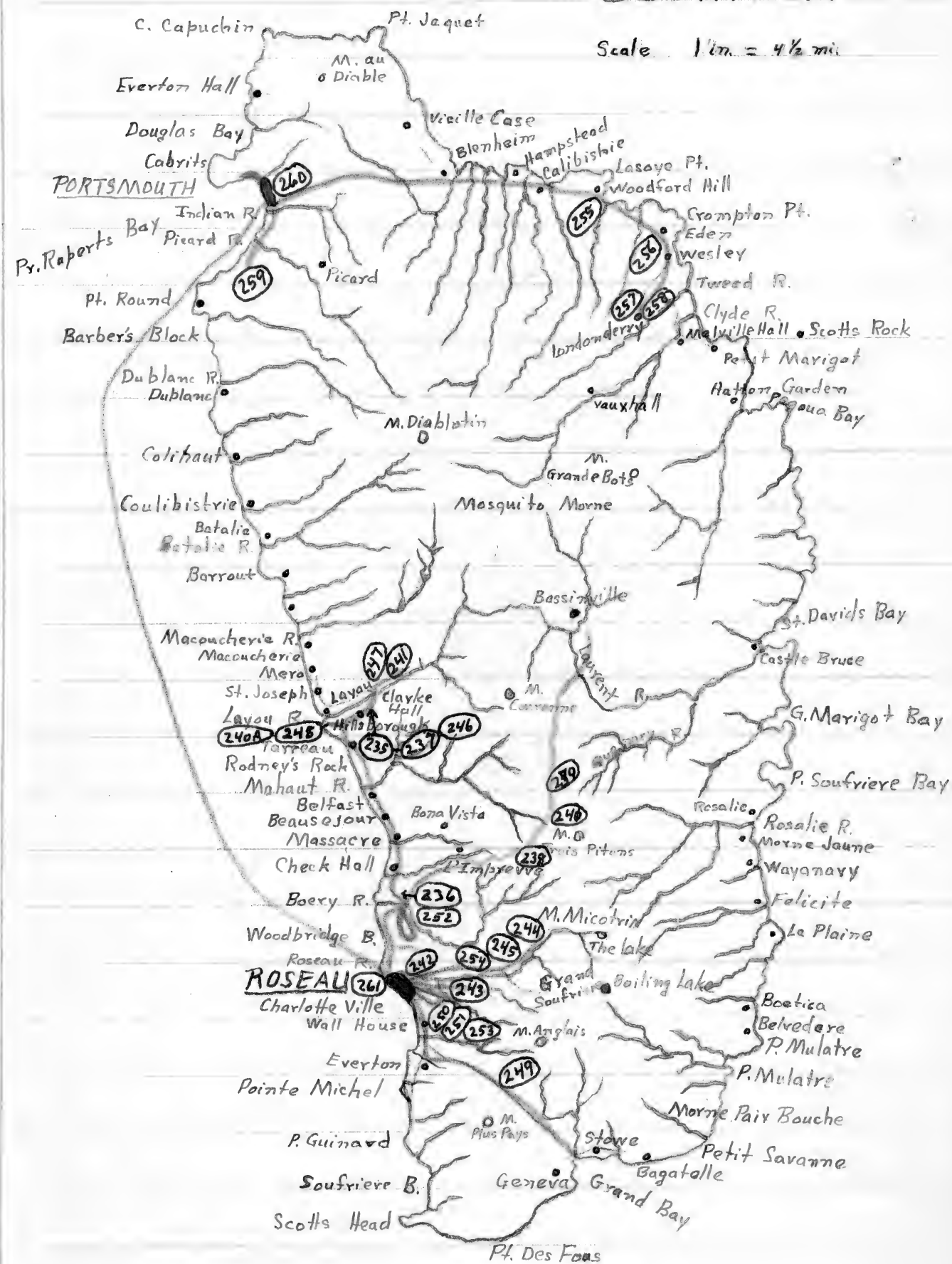
VI-1-36

First Day of Second Year of Scholarship.

Whitson^(?) Holiday. Spent the day wishing that the Post Office and Customs were open. I worked on stamps quite a bit. The S.S. Ingrid came in from the south, but of course we won't know till tomorrow whether she brought any mail. We're expecting several packages but are afraid to have them come here, where we'll have to pay duty.

DOMINICA

Scale 1 in. = 4 1/2 mi.



VI-2-36

Ruth and I started out collecting early. Followed the same route as on May 25th to Killbuck Estate, Station 237.

Killbuck Estate, at mouth of Jayou River. Same as station 235. Insects pods (using aspirator for the first time) found 988 Staphs (Psephenae-12, Paederinae-103, Philonthus-6, Coproporus-701, Conosoma-6, Aleocharinae-160), 112 Hydrophilids, 16 Nitidulids, 6 Histerids, 1 Orlomid, 1 Aphodiinae, 2 weevils, 160 other Coleoptera, 39 Forficulids, and bugs, spiders, mites, & ants. The *Conosoma* (gen.?) is very small and pale.

This is certainly a much faster way to collect. We worked for only an hour and three-quarters.

When we got home we found that the long-awaited stamp hinges had arrived from Scott's. I went to the Post Office, got a letter from a Mr. John Standish in Oklahoma and some Staphs from Bon. The Treasury said there was no U.S. Parcel Post on the Lady Boat, - so no microscope.

Spent the afternoon and evening on stamps. Put all the West Indian ones in the new album. Dine made, and also put in some duplicates. Found I'd used a thousand hinges, but I think the packets must be short-counted. Ruth had another pain today, and finally resolved to write to Dr. Schweyermann. I think he may be able to help with suggestions of some sort.

VI-3-36

Another day at home. Somewhat rainy. The S.S. Ingrid came in from the south this morning. We were surprised to get two letters by her direct from Washington. One was from Aunt Fannie and the other from Bierig. He invites me to come to Cuba and will help me collect there. Will have to write him of the change of plans.

Borrowed a small map of Antigua from Mr. Tavernier and traced it off to use later.

Wrote first draft of a letter to the Attorney-General of the Leeward Islands, about the treatment we've received here. Plans to send copies to the Administrator ^{here} and Mr. Jester in Barbados.

Spent the evening putting in duplicate stamps. We now have 2550 of them in the books.

VI-4-36

Started out early to ride up the Imperial Road into the interior. The road leaves the coast just north of the Berry River and climbs rapidly, with occasional stretches of oiled surface, till it enters the drainage basin at the foot of the Trois Pitons. These are said to have been pronounced by P. G. Lamer to be slightly higher than the Klotin in the north. The road is at first in a semi-xerophytic zone, but enters real tropical forest in the interior. At the head of the valley is Sylvania Estate owned by an American named Knowlton, mentioned to us by Mr. Jester.

Station 238.

About 1 mile southwest of Sylvania Estate on the Imperial Road. In dung found 101 Staphs (*Crypticus* -100, *Aleocharinae* -1), 16 *Hydrophilids*, and 36 *Aphodius*.

Used only forceps as the dung was wet from rain.

Continued along the road for some miles. The country is very wet and the road full of springs. It is cut straight through the forest with no clearings except near Sylvania. Found no place to collect though I stopped once at a banana loading station. Stopped at a small stream to eat lunch. Could find nothing along the stream, in fungus or in bromeliads. Stopped to look at fungus again, with slight success.

Station 239.

About 1 mile north of Sylvania Estate on the Imperial Road. In fungus took ⁴ *Aleocharinae*, and ⁵⁰⁻¹⁰⁰ ^{45 mm.} *Coleoptera*. ¹ *Myriopoda*.

Station 240.

Sylvania Estate, along the Imperial Road. On a large savannah pasture, found in dung ¹⁵⁶ Staphs (*Crypticus* -100, *Aleocharinae* -1), ¹ *Sphaeridiinae*, ¹ *Hydrophilids*, and ⁵ small *Aphodius*. Used ^{aspirator and cloth} ~~only forceps~~ as the dung was ^{dry} ~~wet~~ ^{and lying on sand} ~~from rain~~.

Returned home without further stops, except to speak to the guard with a gang of sawmills working on the road. He said I had been 35 miles from Roseau, but that seems unlikely.

Wrote a letter to the Attorney-General in Antigua to ask for a ruling on matters here. Will send copies to the Administrator and Mr. Jester. Mr. Archer said this way was OK, but that the proper procedure is to send it through the local authorities first.

The *Merisa* came in last night but I was too tired to go aboard her to see about the extensions of our tickets. Will do it when the boat comes back from the south later on.

Got some mail today but not nearly all we expected. Letter from U.S. Dispatch Agent with Bill of Lading for the microscope and receipt, and one from Ed with more receipts. Went to Archer's and got a form filled out to take to the Customs. From there took it to Tariff Clerk who had to show it to the Treasurer. The scope was admitted free as scientific instrument, but I had to pay 4d for wharfage. By the time the forms were OKed, the cashier had left for lunch, so had to return later. Also got Ruth's hosiery sent by Martha, for which had to pay 4/9 (the cashier overcharged me 1/-) and a newspaper from E.B. Never saw so much red-tape and stoppiness. Expected some second-class mail, but none came. Came home and unpacked the microscope. It was in perfect condition.

VI-5-36

VI-6-36 Spent the day counting specimens with the aid of the microscope. Haven't finished up-to-date, but did over 1200 Staphs. As usual there were many *Coproporus pulchellus*, but also several specimens of another Pachyporinae, similar to a very small *Conosoma*, though not very common. I think there was a larger number of species than usual, both in Paederinae and Aleocharinae.

Expected mail from the south, on the S.S. —? — of American Caribbean Line, which arrived last night. None came, however. Rained most of the day.

VI-7-36 Finished counting specimens up to date. Have now taken 1423 Staphs. It was much warmer again today and raining. In the afternoon wrote letters to Mother, and Vavis, and receipts to Dispatch Agent in New York and to the Sm. Cust. Worked on duplicate stamps after tea. In the evening wrote Ed a list of questions about Part II of Pachyporinae monograph. If he answers them right, I can fix up the MS and send it in.

VI-8-36 Wrote letters all morning. These were to Johnny Franklin, and Albert Watson. Also cleaned up my desk (quite a job) and went over correspondence file to find any unanswered letters. Did little in the afternoon except stamps after tea. The day was sultry and raining. A steamer was expected from the north, so may get mail tomorrow.

VI-9-36 Didn't see the sun all day. It rained hard intermittently. Put away some specimens and wrote a letter to Ferris. Also worked on the list of entomologists.

In the evening changed the tubes in the radio, but it didn't improve reception. Think part of the trouble is deficiency in voltage.

We are enjoying less and less the meals here. The meat is all mutton and fish, and real green vegetables are practically unknown. Luckily there is usually fruit.

VI-10-36 We walked up to the library and to see the Museum. It has collections of butterflies, corals, hardwood samples, rum, coins, Carib implements, etc. Not very exciting — or well kept up.

At the library found a copy of Walker's Catalogue of Coleoptera of the Canaries (1864). It had never been out of the library, but they let me bring it home to catalogue. As I was short of cards I had to go out again to have some cut. Even paper is hard to find in this town, but I finally got some writing pads cut into cards. Spent part of the afternoon and evening cataloguing, but also put away some specimens, and did some stamps with Ruth. We've used over 3000 of the hinges already.

Listened to Republican Convention on the radio.

VI-11-36 Went out collecting again. Chiefly to escape laziness and boredom. Went along coast road to the Lagoon River, past Killshero, across the river, and up the left bank as far as Clarke Hall Estate. (Station 240, A.) = Sta. 240½.

- B Mouth of the Lagoon River. Under seaweed on the beach took 2 Staphs. Thought they were Cafius, but they are definitely different from those taken in St. Lucia. Will examine them later. In a small
- C fungus found 1 small red Aleocharinae. At the edge
- D of the lagoon, on the sandy bank, found 2 Staphs,
- E apparently Cryptelinae. In dung found 47 Staphs, (Cryptelus - 20 and 1, Paederinae - 1, Philonthus - 2, Aleochara - 7, other Aleocharinae - 13 and 3), 2 Sphaeridiinae, 4 Aphodius. A large dead crab yielded nothing.

Station 241.

Near Clarke Hall Estate on the Lagoon River, about 2 miles above its mouth. In old black cocoa pods, much wet by recent rains, found only 2 Staphs (Coproporus - 1, Larinola group - 1), 1 small Hydrophilid, and one other beetle.

These bring the island total to 1470.

Spent the afternoon rounding and putting away specimens, and in reading. In the evening I listened to the convention again. Heard the nomination of Alf Landon of Kansas. Unanimous, for the first time in history.

VI-12-36 Spent the day on filing cards, reading, etc. After tea we walked up behind the town to the Roseau Valley. It had been raining hard in afternoon. Station 242.

In the lime grove on north bank of Roseau River, just east of Roseau. Caught flying 1 Staph (Aleocharinae, like Larinola), 1 small Aphodiinae, and 3 other small beetles.

Station 243.

Along the road south of Roseau River, ½ mile south of station 242. From pods of a tree like an Acacia took 1 tiny Aleocharinae, and 1 other beetle.

Had to hurry home on account of rain.

VI-13-36 Before breakfast a native woman brought a basket with five male Gynastes hercules. She wanted 4d. apiece (except for a small one 3d.!) so I gave her that and asked her to get some of the hornless ones - females. These are so large that I could kill them only by suspending them in the alcohol tank, one at a time.

We went to the library to return books, and carefully looked over everything. Found a lot of British Museum publications, but none on Staphs.

After tea went for a walk about town, but as it was Saturday there were lots of people, and also odors. Didn't do any collecting.

VI-14-36 Sunday. Corpus Christi Celebration. Both the S.S. Lady Nelson and the S.S. Lady Hawkins came in today. About ten o'clock we got some mail, letters from the MacLays, Paul Anery, EB and JBB, Watson, and Post. I still have hopes for Wetmore's letter, - if it was registered it would be held till tomorrow. I finished letters to Ed and B. Bemish.

VI-15-36 (all next page) Rather rainy as usual of late.

VI-16-36 Went to the Treasury and found a big parcel of Second Class Mail. It was admitted free. Also got a package from Harry Dean. It contained piston rings and two wrenches. Hadn't expected such a package, but I paid the two shillings duty anyway. No sign of the pen from St. Lucia or the letter from Wetmore.

The parcel of 2nd class contained for me: 4 Sciences, 1 Ent. News, 1 Pan-Pan Ent., 1 R. S. L. Lyon, etc., also *Annales de la Soc. Linn. Lyon*. This has list of members with my name, but not as a life member! Spent the day reading and cataloguing. There was also a paper by Peter Zing.

VI-17-36 Rode up the Roseau River valley this morning.

Station 244.

- A 2½ miles east of Roseau, in the Roseau Valley. Sifting fallen leaves found 5 Paederinae (2 species), 2 Forficulids, 1 pseudoscorpion, and 4 species of ants. In and under excrement found 8 Staphs (*Aleochara* - 2, other *Aleocharinae* - 6, 2 sp.), 61 Hydrophilids, 2 Forficulids. The *Aleocharas* differ considerably in size.

Station 245.

Two miles east of Roseau; ½ mile west of station 244. In dung took 127 Staphs (*Oxytelus* - 121, *Paederinae* - 1, *Aleocharinae* - 5), 77 Aphodius, and 2 Coprinae. The aspirator helped greatly again.

These bring the island total to 1612.

In the afternoon sorted & counted Staphs, and packed some in vials. Ruth had a headache and I read to her from Paul de Kruif's *Men Against Death*.

VI-15-36

I apparently got mixed up on dates and left this day out entirely. Monday. We waited hopefully for more mail, but none came. The S.S. Nerissa came in from the south at 1 P.M., and I went aboard her with Mr. Archer. The Purser, Mr. Beam said he had found out about extending over Guadeloupe ticket but not about the St. Thomas one. Well do it this trip though. Went down to see the barber, and got Ken Baby Ruth candy bars. Back for lunch. We had ice cream with tea today. !!

Went walking again up east of town. Caught a few small beetles, but no Staphs. This was sta. 243. There were several Chrysomelids and a Lampyrid. Will put them in with the previous lot.

VI-18-36

Hot and rainy today. I felt so lazy that it tired me greatly! Did little but read, put in a few stamps, and sit around wishing there was something to do. Both of us are not too

well pleased with the food here. We get a lot of fish, have to ask often to get green vegetables which are then improperly cooked, and get very little fruit except mangoes and papaya. Something is upsetting my stomach - same symptoms that I had so long in college. The fish seemed to be causing it in St. Lucia, so I'm leaving it out entirely for a while. We've been pleasantly surprised to have ice cream for tea every day this week. Today it was custard vanilla - swell. We can't get any oranges or grapefruits, avocados, peas (pigeon or otherwise), any meats but mutton, no good pastries or cakes (the latter fair). We agree that it's the poorest food we've had on the trip.

VI-19-36 We went collecting again to the Layou River.

Station 246.

A Same as sta. 235. Tried using the seine on a pile of black decayed cocoa pods. Took only 8 Hydrophilids, 8 Forficulids, 4 ants, and 10 or 15 myriapods. In

B flowers of cultivated tobacco found 3 slender Nididulids. In rather ^{dry} dung Ruth found 4 Staphs (1 each Psepheninae, Psepheninae, Xantholininae, Aleochara), 1 Aphodius, and 1 large larva.

Station 247.

1/2 miles west of sta. 241, in Layou River valley. On fresh mango fragments found 1 Oxyselinae and 6 Nididulids.

Station 248.

A Same as station 240 A. Mouth of Layou River. In fresh chips of coconut husks found 69 Staphs (Psepheninae - 1, Caproporus - 42, Conosoma - 4, Lermioka-group - 5, other Aleocharinae - 17) 59 Hydrophilids, 302 Nididulids, 21 other Coleoptera, bugs, and ants.

B In a dead palm lag Ruth found (in with some termites)

C 2 small Aphodiinae. In dung found 1 Oxyselus and 1 Aphodius.

We have been much surprised to learn from several sources that there is a small island 100 miles due west of Dominica. It is Aves Island, entirely outside the chain of the Lesser Antilles, uninhabited, and seldom visited.

It took me all afternoon to count the specimens. In the evening my stomach bothered me a little, so I lay down. At 10 P.M. we listened to the Schmeling-Louis fight. Adds were 8-1 for Louis. He was down in the 4th, and out in the 12th. Apparently he won ~~on~~ only two rounds on points.

VI-20-36

Rather rainy most of the day. Ruth went to the library and brought me two mysteries, so I spent quite a while with them. I also made out several budgets for various incomes, and can't see how anyone could own a car (in Washington) on less than \$3000 a year. Figure we could get along on \$1800, but not easily on less. Also did a little work on stamps.

VI-21-36

Sunday. Planned to go up M. Bruce collecting, but Mr. Tavernier invited us to come to see his place on the road to Grand Bay. We went on the motor, but had to walk about a mile up the trail from Bellevue, at the top of the pass. It was quite foggy, but the vegetation was dense and tropical. The house we found to be rather ramshackle, but in a beautiful setting. A large tree in the front yard is completely covered with epiphytes, but no orchids were in blossom. Found a few beetles in roses.

Station 249.

Tidara Estate, 1 mile east of Bellevue on the Grand Bay road. In roses took 3 small *Allochaimas*, 1 slender *Meloidid*, and 1 pale weevil.

The fog was just lifting as we left, but there is said to be a fine view of Martinique, as well as M. Anglais behind the house. The latter we can see from the hotel, if it's clear.

Spent the rest of the day reading, etc. It didn't stay clear long, but rained again later.

VI-22-36

Spent the morning reading, etc. The government issues a schedule of steamer movements, and this had the S.S. Ingrid scheduled to pass here southbound (not stopping) today. We learned that it was actually due to stop here northbound at 8 P.M. It might bring mail from the southern islands.

VI-23-36

Another holiday. The king's birthday. At 1 A.M. there came up a high wind with occasional heavy showers. These lasted throughout the day. The parade scheduled for 8 A.M. was held in spite of it, but very few people attended.

In the morning we worked some on stamps, and in the evening heard the opening ^{speech} of the Democratic Convention. It was terrible - sounded just like Senator Windrip in Sinclair Lewis' book *It Can't Happen Here*.

VI-24-36

In the morning I rode up M. Bruce behind the town to try collecting.

Station 250.

West end of M. Bruce, overlooking Roseau. In dung found 20 *Staphs* (*Oxytelus* - 11, *Xantholininae* - 1, *Allochaiminae* - 8), 6 *Sphaeridiinae*, and 15 *Aphodius*. The dung was all soaking wet from the last two days of heavy rains.

We've been bothered quite a bit by mosquitoes lately, so today we bought some Flit. The gum and can of fluid cost 6 shillings!

In the evening we heard some more of the Dem. Convention, but it was rather dull.

Mr. Tavernier told us he had never experienced a hurricane, though he's been here many years. In spite of him, there was a bad one in 1933, and several others in the last twenty years.

VI-25-36 Spent the morning packing away specimens. I have accumulated a large number and they're beginning to dry out in the vials. I'm also about out of new vials, so I must empty some of the others.

After tea we walked up Morne Bruce. Had a fine view of Roseau Valley and the town but it was a little too cloudy for pictures.

Station 251.

East end or top of M. Bruce, above Roseau. At dusk caught flying 8 Staphs (Paederinae-3, Coproporus pulchellus-2, Coproporus sp.-1, Aleocharinae-2), 1 Hydrophilid, 1 Mordellid, and 1 Bostygid. In flowers took 7 Nitidulids, 2 Chrysomelids, and 5 other Coleoptera. The Coproporus was a large red species. The Mordellid is pale yellowish.

VI-26-36 I went collecting again to the Layou River. Asked at Hillsboro Estate about cocoa, but was told that they hadn't cut any for several weeks. Tried the beach, etc., but found exactly nothing. On the way home explored several side roads without result, and finally gave up.

Received the permit to own and operate the radio from Government Offices. It specifies that no code (or Morse) messages shall be decoded or divulged. Nuts!

After tea went to collect at dusk at

Station 252.

Same as sta. 236. 1/4 mi. east north of Baery River.

Caught flying about a large cattle pen 16 Staphs (Oxytelus-1, Paederinae-1 and 4, Stelici-1, Philonthus-1, Coproporus pulchellus-2, Coproporus sp.-1, Aleochara-1, other Aleocharinae-1 and 1 and 1 and 1), 1 Carabid, 5 Hydrophilids, 1 Histerid, 1 Nitidulid, 1 Bostygid, 1 Aphodiinae, 5 other Coleoptera, and ants, flies, Hymenoptera, and bugs. The Coproporus is similar to that taken on M. Bruce yesterday. There were 12 species of Staphs represented.

VI-27-36

The boat which arrived yesterday was the S.S. Frank Seemann. It brought mail for us, but did bring the extra wheel for the motor from St. Thomas. I didn't get it through the customs (free) till noon, and then spent the afternoon putting it on in place of the worn real tire, and in making other adjustments. These included cleaning the rear chain and completely disassembling the carburetor, which wasn't very dirty. While I was readjusting the carburetor I found the source of all my troubles. With the carburetor adjusted for idling the motor won't pull and vice versa. There's a wide difference between the adjustments. Don't know what to do to fix it.

The boots also arrived from E.B. Had to pay over two dollars duty. They're almost too nice to wear.

Listened to notification speech of Pres. Roosevelt. Didn't think much of it.

VI-28-36 Sunday. Both the *Lady Drake* and the *Lady Hawkins* came in this morning. We expected mail, but waited in vain. The day was rather rainy and we spent it chiefly reading.

VI-29-36 Spent the morning counting specimens taken lately. A letter arrived from Wetmore via St. Lucia. He must have misunderstood our addresses. It contained a check for \$1,000, and I spent most of the afternoon cashing part of it, and having the rest put in a Letter of Credit and a draft to Paly. The manager of the bank was very pleasant, and I had the L. of C. made out jointly to Ruth and me. Carlo Paulon came up with some stamps, and we spent some time evaluating them.

VI-30-36 Got a little mail. It was all for Ruth, except the invitation to graduation of Fair and Ruth. The mail came on the S.S. *Frank Seaman*, which was not the boat that came in on the 27th.

While I was at Mr. Archer's a large ship passed, and the telescope revealed it to be the Canadian National freighter S.S. *Cornwallis*. She seldom stops at any of these small islands.

Watched about 15 men and four boats seining the water near the jetty for small fish. They had two large nets but the haul was small. Sometimes they get more than they can haul in in one day! Carlo came back and we

paid him for the stamps. He never has any of the cheaper ones, but ones ranging from 25¢ to \$1.00 catalogue value. He sold them to us for 1/2 to 2/3 catalogue, which seems a bargain.

In the evening I pulled the remaining old hobnails from my old boots, and found enough good ones to fill the heels of my new boots. The soles are too thin to take a regular hobnail.

At supper time there was great excitement in the street. We finally found out that there had been an auto accident, - in the country, - and 40 men had been sent out in a truck to lift the car from the ditch and carry it up to the road. The 40 were celebrating ahead of time for the remuneration. It could not have been more than a few cents.

VII-1-36 Spent the morning putting away specimens. Went to see Mr. Archer and finally decided to go to Montserrat by the S.S. *Lady Drake* on the 12th. This will fit into our schedule better, and permit us to stay just two weeks in Montserrat. Wrote letters to Ed, Stanley, John, and Scott's. Our schedule now is Montserrat - July 12 - 27, Antigua - July 27 - August 18, St. Kitts and Nevis - Aug. 18 to September 15, St. Croix - Sept. 16 - October 12, and St. Thomas Oct. 12 until we can get a boat to Puerto Rico. Raining all day.

VIII-2-36

At my request Mr. Archer phoned to Capt. Skebings at Londonderry on the northern road to ask if I could put up there for two nights next week. The answer was "Yes," so I got the launch schedule to pick out the best day. The rainy weather of the last few days makes the trip a little questionable. Hope it stops by then. Decided to go on Monday^{6th} & return on Thursday^{9th}.

Did a little shopping in the rain. Got some "boot studs" to use in place of hobnails. Also got a pair of shoes (10/-) and 2 shirts (3/6 each).

After tea the rain stopped, so we went for a walk up Morne Bruce. Tried collecting but had very little success.

Station 253.

~~North~~ end of Morne Bruce. (Practically same as sta. 251). By sweeping took 2 Mithridulids, 4 Chrysomelids, 1 Curculionid (in fruit), 6 other Coleoptera, bugs, ants, etc.

VIII-3-36

Were awakened again early by very heavy rains. These continued intermittently all day. Made reservations on the launch and on the Lady Brake, but spent most of the day fixing the new boots. Had to file down each of the three dozen studs to prevent their going clear through the sole. If they don't pull out they may be satisfactory. Worked a little on stamps, but the rain prevented any collecting excursions.

VIII-4-36

Wrote a letter to the agents in Antigua asking them to forward mail to Montserrat. There is a sloop leaving at noon.

Went out collecting in spite of threatening skies.

Station 254.

1 1/2 miles east of Roseau, along Roseau River. At the edge of the stream was able to find only one species of Staph, a tiny Aleocharinae, and took 1 specimen. In dung found 95 Staphs (*Oxytelus*-93, *Philonthus*-1, *Aleochara*-1), 1 Histerid, 64 Aphodius, and 8 other Coleoptera.

Got home just before the rain, which kept up intermittently for the rest of the day.

After lunch went to see Mr. Archer, gave him the tickets to extend, tried to buy a dial bulb for the radio, and had the camera case mended. The shoemaker to whom I went is said to be one of the best in town. He works with two assistants in a room about 8'x10'; has a small table, a chair, and two boxes; perhaps a dozen awls, a pocket knife apiece, one hammer, a pair of pliers, no punches at all, a few nails but no rivets; makes much use of old tires for rubber heels and even soles. I had a better leather-working kit in Paly, even if I didn't have any "lasts". Here they had one small metal one, and about a dozen assorted wooden forms.

Have been rather annoyed several times to see the children teasing Jackie the dog. He spends a great deal of time up here in our rooms, and the reason is probably that no one else treats him decently. Mr. Zanermer pretends to be quite knowing about it, but he uses a cane on him on the least provocation. They have made no attempt to train Jackie to good habits, yet punish him severely for every little lapse. I could cheerfully take a cane to them once in a while!

VII-5-36 Sunday. Forgot even to mention Independence Day yesterday. No one here ever heard of it.

In the morning Mrs. Stebbings phoned to tell me that there is no bus from Portsmouth on Monday. The motorcycle fixed that hammer. She says they've had little rain up there.

Spent the morning on the last month's accounts and financial plans. We decided we will probably have to stay a little longer on St. Thomas, Puerto Rico, and Jamaica, and lean out Haiti in order to keep the monthly average down. We wouldn't be particularly disappointed to be ready to start home now. Things are pretty monotonous, and we chafe at many of the inadequacies down here.

VII-6-36

Spent the morning packing, and servicing the motor. Got water in the battery, though I'm sure it wasn't distilled water. It was rather rainy all morning.

At 3 P.M. put the motor and knapsack aboard the M. L. Hope and started for Portsmouth. The coast is quite varied, - saw two tall waterfalls, several hill-top savannas, palm-fringed beaches, and cliffy promontories. Watched the coast "road" most of the way. At Pt. Round saw a truck on the road, but learned that it brings bananas from the interior to the coast and can get to Portsmouth only by boat. Entered Prince Rupert Bay about 6 P.M. and saw the large hill-promontory - the Cadrils, on the north. Landed about 6:20, just as the rain started in. Put on the slicker and started across the island. The road is well paved and graded but slick, and I got only two-thirds of the way by dark. The last mile was under construction, muddy and rough. Capt. Stebbings had sent a man to hail me and show the way to the house, which is on a high knoll overlooking the valley which is filled with coconut palms. Put the motor in the garage and went up to the house. The Capt. showed me a nice large room, and I hurriedly changed into my clean clothes for dinner. Then met both the Captain and Mrs. Stebbings more formally, and also the two large dogs and two cats. ~~That before~~

At dinner I was asked how long we had been in Dominica and how we liked it. My hosts were quite surprised to hear that we had been treated poorly and that no one had called on us. The Captain was quite indignant and promised to check up several people. He is a nominated member of both the Executive and Legislative councils of Dominica and of the Leeward Islands Council (Federal) in Antigua. He owns at least three large estates, - Londonderry, Eden, and Woodford Hill. He advised me to apply for refunds on all duties and fees through the Administrator and suggested I send him a copy of the letter. He says I should have gotten in touch with Mr. F. G. Harcourt, the Agricultural Commissioner. I was told that there is little or no cocoa along the northern road, but quite a bit of pasture and several white sand beaches. Mrs. Stebbings seemed especially sorry that Ruth hadn't come along. They have electric lights, a radio, two cats, two dogs, and a parrot. In the living room they have at least four chairs that are comfortable! I was told of three hurricanes that did severe damage to Dominica. These were in 1926, 1928, 1930. Before this there was a thirty-three year period of freedom from them. Several hours warning is always had, and for several days before there are definite indications. Went to bed at 11, and slept well.

VII-7-36

Everyone was up before seven. I had a grapefruit for morning tea, then declined an offer to take a 3/4 hour walk to the beach with Mrs. Stebbings and the dogs. Wrote up yesterday's notes.

The Capt. gave me letters of introduction to Mr. Harcourt and to Mr. A. Forbes of Portsmouth, who is a butterfly collector. At 9 o'clock we had breakfast of bacon and eggs (real bacon!), toast and marmalade, mangoes, bananas, etc. I then got the motorcycle battery, which nearly gave out on me last night, and the Captain put it to charge. Then he took me in the car (Ford) to Woodford Hill Estate beach, where I collected under seaweed.

Station 255.

Beach at Woodford Hill Estate, on the northeast coast. Under seaweed found 4 *Aleocharinae* and 11 *Cara-bids*. Also picked up a few shells for Ruth, including the little 1/2 inch pink ones which are known chiefly from here, and a sample of coral sand.

In the way back we stopped briefly at Station 256.

Eden Estate, along main road, on the northeast coast. In freshly cut banana stems found 2 *Aleocharinae* and 1 *Tritidulid*.

Back at the works at Londonderry the Captain showed me some piles of refuse from a lime press,

and pastures for the work cattle. Will go down there after lunch.

The electric equipment here consists of a water wheel (undershot) and 50 volt dynamo. The latter delivers just what current is required. For charging batteries the Captain uses a jar of water as a resistance in series with an ammeter. As the water is heated and evaporates, it automatically cuts down the rate and then shuts itself off! The radio is run by battery, as the current is steadier. They have an English radio, with two tuning dials (one noisy) and regeneration squeals.

During lunch I was told of the snakes which are occasionally found in the cellar storehouse. Some are the Antillean boas, some black with white line markings. They are seldom over 6 feet long, probably never over 9 feet. Mrs. Stebbings seems to enjoy killing them, and also using them to scare the natives! They (the Stebbings) know all the people near by and are on very good terms with them.

During the hurricanes they have twice lost their veranda. The whole house is now tied down with sunbuckled cables set in concrete. Many of the native houses are blown over, but generally not wrecked. The inhabitants have to crawl out the windows.

After lunch went down to the works. Collected

in dung, etc., and looked in the lime trash piles without much success.

Station 257.

A Near the works of Londonderry Estate, on the north-east coast. In the refuse from a lime press found
B 1 Staph (Philonthus). In dung found 49 Staphs (Oxytelus - 40, Paederinae - 2, Xantholininae - 2 and 1, Philonthus - 2, Aleocharinae - 2), 18 Aphodius, 1 other Coleoptera, 4 larvae, myriapod, ants. In a terrarium found several large queens but no guests. Took some large red ants in the path.

C Later in the afternoon at the same place took flying 17 Staphs (Oxytelus - 1, Coproporus - 5, Aleocharinae - 11), and 9 other Coleoptera.

The Captain told me of at least two maps of the island and gave me a letter to Cools-Lartigue to try to get them. He also showed me a copy of the little booklet "Notes on Dominica and Hints to Incoming Settlers" by H.H. Bell (1909). From it - island on north limit of cocoa belt - horses are taxed 10/- per year, dogs 2/6 - freedom from severe damage by hurricanes is ascribed partly to the remarkably broken configuration of the country.

In the evening I heard a great deal more about snakes, as well as something of British government. Caught a few hardbarks and several Cerambycids at the lights, but a light put on the veranda

attracted nothing. This is still station 257. Also includes a cicada.

We talked some of Mr. Knight in Carriacou. He was well known here and liked. He was the head foreman on the road construction, and evidently is credited with the actual work.

VII-8-36 Just after tea yesterday I phoned to Ruth. She said she was keeping busy getting ready to move but wouldn't say what it was she had been doing. It's good she can keep busy.

Took a photo of the valley before breakfast. Last stroll. Also wrote up notes.

The Captain explained why the Leeward Islands wish Dominica to remain with them. They get a large amount of money each year. 40% of Dominica's income goes to Federal expenses. In the Windward Islands each island is separate - there is no Federal government at all. The Leeward Islands would lose much. Dominica has many Federal laws practically forced upon her. In Dominica (and elsewhere) the Audit Department is controlled only by the Colonial Office. They have the last word on all expenditures. The law is that duties, etc. must be paid on demand, but refunds are frequent.

After breakfast we heard blasting down at the river. It was the road gang getting road metal. I thought the explosions might kill some of the

Small fish, so I went down to see, but found none. Found a good pile of dung and wished I had brought the aspirator.

Station 258.

Same as station 257. In dung took 743 Staphs (Oxytelus - 731, Philonthus - 8, Aleocharinae - 4), 144 Aphodius, 31 Sphaeridiinae, 5 other Coleoptera. The rain drove me to shelter, and the natives were rather curious.

After lunch the Captain phoned to Portsmouth to Johnson's Boarding House for a reservation, and also to Forbes. The latter invited me to dinner with Mr. Pidduck of the Agriculture Department. As there was a slight break in the clouds, I decided to start at once, paid my bill of \$2.00 a day, and said goodbye. The road was fairly dry and I made good time. I managed to get clear through to Portsmouth without meeting rain, though it started in soon after. At Calibishie I stopped for a few seconds to take a picture of a small rock island just off shore.

When I got to the B.N. sea was ready, and before I had finished dressing, Mr. Forbes' car came for me. The house is about a mile south of the town. Mr. + Mrs. Forbes, Mr. Pidduck, and three large dogs were there. We walked down a very muddy path to the beach, where the

others went in bathing. Later, after we had been driven in by a thunder shower, we had a very nice dinner, with ice cream. Mr. Forbes is quite young, but is Warden (local magistrate) of this northern district. They are quite recently out from England and had some queer experiences with the Customs. Much of their belongings were wedding gifts and quite new. On all these they had to pay duty (since they had not had them for a year), and had to unpack every article to see where it had been made - to get the lower rate on the British made articles! If they are transferred to St. Kitts before they've had these things a year, they'll have to pay all over again.

Mr. Forbes collects butterflies and moths, makes his own boxes, but has only a few dozen specimens so far. His mounting is very good, but he is strictly an amateur collector, knowing ~~not~~ little about them.

Station 259.

Home of Mr. Forbes; 1 mile south of Portsmouth on Prince Rupert Bay. Took 1 Lampyrid and several Melolonthinae at light.

We came back to town about 10 o'clock, and went to bed at once. Didn't sleep very well.

Station 260.

Portsmouth, Dominica. Several Oedemerids at light.

VII-9-36

Got up late, and after breakfast started out to take a few photos. Met Mr. Pidduck as I started, and walked with him up the beach about a mile and waited while he took a dip in the bay. Took a picture looking over the town to the cloud-covered Morne Diablotin. My new shoes gave me blisters on both feet, and the morning was quite warm, so I sat on the veranda for a while to cool off.

Lunch was rather a failure. Everything was overseasoned with something very hot. Banana and some pineapple saved the day.

The launch was to leave at 1 o'clock, and we had little difficulty loading the motor. Mr. Pidduck was aboard, with a planker and the Engineer of Public Works left (colored). We had a rough trip, and spent over a half hour at one place loading lines. As a result we were late arriving at Roseau. It took five or more to get the motor up the stair to the quay, and Baba was there to carry my bag and canvas.

Was glad to get tea, and also a chance to cool off. Found Ruth quite well and related my adventures at once. The blisters on my feet were rather sore, and I was rather tired. We did a few stamps and I read some of the funny papers that Ruth had saved. Didn't go aboard the Nerissa, but went to bed early instead.

VII-10-36

My foot felt like a rest today, so Ruth tried to do some errands for me. The Canadian National S.S. agents were not very accomodating. I went out later on to find out when the motorcycle and trunk must be delivered and get the export warrants from the Treasury.

The Nerissa came in last night but brought us no mail. Mr. Archer said he got almost none though there were 40 bags from the U.S.A.!

Spent the afternoon counting the beetles taken on the trip. They total 876, and bring the ~~total~~ ^{total} to 2646, and the trip total to 12,500.

After tea we did a few stamps, and in the evening I wrote up these notes.

VII-11-36

Took the export warrants to the Treasury, then to the Customs and the steamship agents. I paid for and received the tickets and the bill of lading for the motorcycle. Then I went to Phillips to pay for the launch to Portsmouth. They were not very nice, to say the least. Got some stationery and took it to the newspaper office to have it cut into 3x5 cards. Went to the Government Offices to present the letter from Capt. Sheppings to Louis Lartigue about maps. He sent me to the Engineer at the Public Works Department. Here they were very nice (also helpful - the first of this type I've met in Russia), and finally agreed to make me

a blue print of a rather crude map MS. There was only about one hour to do it. It turned out rather blurred, but they also sent a small print of another better map.

Spent the afternoon collecting my scattered junk. We've made more of a mess of unpacking here than ever before, - perhaps because we've been here longer than any other place. Carlo Toulon came over for the last time, and when we settled up, gave Ruth three or four nice stamps as a bonus! In the evening I packed the microscope and stationery. Ruth was feeling a trifle low.

VII-12-36

Sunday. Finished packing the trunk, mostly before breakfast. At ten o'clock Freddie and I went to the Customs, got the crate out and put it under the crane on the pier. We packed it there, in spite of the hot sun. I got back in time to help finish packing the trunk so that it could go before lunch. After lunch we finished packing the other bags. The little boy brought a 3-inch green caterpillar (from tobacco plants) and a Tenebrionid. I took the caterpillar and wrapped the former in leaves in a small box and addressed it to Mr. Forbes in Portsmouth. The next launch is Monday afternoon, - I hope it lines that long.

Mr. Tavernier presented his bill, with extra

high charges for radio, but a discount for the days I was away. I didn't understand it too well at first, and that rather bothered Ruth (probably also Touernier?).

We had tea at 3:45, and at 4:00 Freddie came back, was paid, and took our bags. We walked down to the pier, and were soon aboard the S.S. Lady Drake. The Lady Nelson had passed southward in the morning. We got a few pieces of mail from the south, - a note from Stanley John that he sent the pen to Antigua, and some stamps from Wilfred.

We were given a fairly large cabin on the lowest deck, but it was too hot to stay in. I went to get a haircut. We like the Purser, but don't care much for the service or especially for the meals. Of course we're not so well acquainted with the ship as we are with the Nerissa.

The purser was not able to give us much information about Montserrat, but there seems to be but one hotel.

We saw Mr. Baynes, the Administrator, on board. He was merely seeing someone else off.

We went to bed early and didn't wake up till we were anchored off Montserrat.

Supplement to Dominica journal.

Station 261.

Roseau, Dominica. Cherry Lodge Hotel. Miscellaneous things, mostly flying to lights. Includes also a vial of mosquitoes.

When I got on the launch to go to Portsmouth, there was an umbrella lying in the seat I wanted. No one was aboard yet, so I moved the umbrella to the seat opposite. Just before sailing time a white man in brown uniform came aboard and saw down by the umbrella. He was reading the Thin Man. We didn't speak during the trip, but I noticed his ornaments, etc. When I described him to Capt. Stebbings, I learned it was Major Branch, Inspector of Police. It seems to be the custom to reserve the best seat by sending something to be placed in it early. It didn't work that time.

The Touernier's have a little terrier named Jackie. He is quite young and very playful, but gets teased a good deal. We made friends easily, and he spent many afternoons sleeping in our room. He was very jealous of the cat. The latter paid little attention to him, sometimes running and sometimes slapping him down. No one makes any attempt to strain the dog, but

They're not slow to punish him if he does anything wrong. We were sorry to leave him because we think he's a much nicer dog than they deserve. Mr. Tavernier told us one day that he had noticed an improvement in the cat since we came. The poor thing had never been petted before, - hardly knew what it was like. He's carried about by the tail and generally neglected. It was playful but never learned to play without being rough. In the long run I think the cat will stand the strain better than Jackie.

Mr. Archer seems to be a man of moods, - or something. Some days he's very cordial and tries to be helpful; other times he's rather short and of little use to anyone. Once he gets an idea into his head it's impossible to find out anything about side-issues, - he just repeats. This may be why he lost the agency of the Canadian National S.S. Co. a year or two ago.

Before we left Roseau Ruth took photographs of the large banyan tree in the library grounds and the market place on Saturday morning. Our last set of pictures were very discouraging again. Perhaps we left the film in the camera too long.

From Aspinall's Pocket Guide to the West Indies:

Dominica is the largest of the British Leeward Islands, of which it is a presidency, and third in size of the British West Indies. It is 29 miles long by 16 miles wide, with area of 291 square miles, and population of 41,000. It is 85 miles southeast of Montserrat, and 30 miles from Guadeloupe and Martinique. It is of volcanic formation and very mountainous. Elevation of Morne Diablotin is given as 4,550 feet (should be 4,747), and it is said to be highest in Antilles or "subminating peak of the Caribbean Andes. In the center of the island the mountains resolve themselves into undulating country of some 20,000 acres in extent, varying from 500 to 1500 feet in height, called the Layau Flats, which is reached by the Imperial Road.

The products of Dominica include: Limes and lime products, cocoa, oranges, lumber, and sulphur. It also produces most of its own coffee, sugar, and recently tobacco. Coconuts & copra also exported.

Until about 1750 the island could not be taken from the Caribs. Then the French settled, were driven out by the English in 1759. In 1778 it was again captured by the French, returning to the British in 1783. The French tried again in 1795 and 1805, but failed except to take Roseau on the second expedition.

The government is conducted by an Administrator, assisted by an Executive Council of ten members. The Legislative Council consists of twelve members, four of whom ^{four} are elected.

Roseau, the capital, has a population of nearly 7000, and "has little to commend it".

There are three lakes in the south-central mountains. These are known as Freshwater Lake, The Lake, and the Boiling Lake. The latter is a small geyser of boiling sulphur, about 300 feet long by 200 feet wide. It sometimes ejects a column 10 feet high, and has been known to recede to an empty basin. There are sulphur springs near Roseau, and several rather high waterfalls visible from the sea.

We have been quite surprised at the stamps of the Leeward Islands which are on sale here. Many of them are of an issue over 20 years old, with a watermark quite different from that used for the last fourteen years. The set being sold now is: ¼d (1932), ½d (1912-14), 1d (1921-22), 1½d (1929), 2d (1921-22), 2½d (1926-27), 3d (1926-27), 6d (1912-14), 1sh (1912-14), 2sh (1921-22), etc. It will be interesting to see if these same ones are on sale in other Leeward Islands. One would expect Antigua at least to have the complete new (1932) set. It has ¼d, ½d, 1d, 1½d, 2½d, 6d, and 1sh only.

Dominica is very highly rated for its ^{natural} beauty, and its inhabitants lose few opportunities to mention it. They are less ready, however, to speak on its man-made beauty and its "civilization". Its natural beauty seems to me to be no more than that of Grenada and much less accessible.

The arrangement on St. Lucia is more like it because it is necessary to go to the more rugged and picturesque parts to find the tropical scenery. The coastal regions around Roseau and even the entire western coast is rather uninviting, in spite of the real grandeur of the mountains behind, and the specially extolled spots are rather isolated and separate. There seems to be no reason for rating the beauty of Dominica above that of either Martinique or Guadeloupe.

Dr. Chapin sent the following information concerning the coin I saw in Soufriere, St. Lucia: "..... The coin described is the Spanish peso, commonly known as a piece of eight, since it had the value of 8 reals as indicated in the inscription [see page 45].... Owing to a dearth of coins of small denominations in the West Indies, the pesos or pieces of eight were often cut into fragments to make change and these fragments were stamped with the name of the locality in which they were made. Such fragments are not very rare or

very valuable as they were made in large quantities and are still available in sacks of numismatic objects. " *Div. of History, U.S.N.M.*

Rock samples taken in Dominica include only two specimens of an igneous rock from the river at Londonderry and sand from the beach at Woodford Hill.

The following are the numbers of insects taken on each island so far.

Jamaica	400	Tobago	200
Haiti	400	Grenada	900
Dominican Rep.	300	Carriacou	100
Puerto Rico	1000	St. Vincent	1100
St. Thomas	100	Barbados	600
Guadeloupe	600	St. Lucia	3400
Trinidad	800	Dominica	2600
Total		12,500	

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