

2

1915
1915

2

Hotel Zornig in Rio Negro. Suggestions for salesman's book. (Com. Travelers Guide)

Don't take poster a board
Don't smoke best way to pay favors of photos
Rubber pillow for train travel + shirt for inflatable,
& Steamer chair.

Iodine, and electric light bulb + extension cord.
have needed this most everywhere
except Zornig + Comercio

+ if collecting canvas cover for case of oil lines 2
& also cover for one. (former will also do for
suit case with camera case + brief case along side of
it. Mosquito net; some could be made to do for
former. ???

my expense account with King...
is there are the...
cannot get many...
with milk...
in case on...
to be...
made with...
had a great...
must suffer...
more + feel...

Siedermilk
over 60
last 29 yrs
in Brazil

This country is great on sanitation in many
ways but manner of disposal of toilet paper + flies
and free use of feather dusters rather detract
from an otherwise enviable record. Mrs. Bacon
tells me there is a very great deal of summer
complaint among infants - dysentery. She
says there is also a tremendous
waste of garbage
bones + trimmings
are all sold with
the meat + thrown
away in the house-
holds. She tells
me they import
some from the Argentine
pay \$5 a ton per first
month. What price do
they pay.



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Townetting
Wedding in seeming
icy water at
1 a.m.

Siedermilk youth
in spite of 60, large
like St. procession changed
ideas about church
no teeth strong stomach
teeth don't help
a weak me.

One bottle of...
Heylea in...
in...
from Parana

1
However, his difficult English may have been
the fault of the book. The best of it all is
that they have promised me their much-
valued collection which though not large will
fully fill two five gallon cartons.

Behind the museum is an extensive
botanical garden with every great many
things labeled but as Sudewalt told me
suffering from a lack of water. The last
several years here have been exceedingly
dry & the arthropodical (sun-spit) weather
experts say they won't have any till 1927.

Thursday 10th of Sept. This is in Sudewalt
called by for me. I spend the night
in São Paulo in a German place, but
have any doubts but made out fairly well.
Had German cooking for dinner, typical German
with mostly water, not beef, not soup, and
fried kumman for dessert the latter by the way
seems to be a Brazilian dish. On the other
the usual thing is coffee & rolls & that

2
I had I had. In Sunday I do me to
the celebrated snake institute, Curitiba,
where snake raising and raising - are made.
It is a very wonderful establishment (Cultural
Institute - building, museum, several libraries,
buildings, stable, extensive grounds and
fields, enclosure for snakes and what
not. Snakes are kept here for their
use a number of very poisonous ones in
Brazil, the Tarantula has their many they
not be deadly, a *Syncoxa* to produce
terrible lesions, and a very poisonous
one *Atheris ingramorum*. In each of
these two they have produced a serum.
There are about 150 different snakes in
Brazil, and in the Museum they have most
of them, as well as preparations showing
the effects and results of the bites, diagrams,
charts, skeletons, and some living material.
You should see how the handle the
deadly poisonous one. In one of

the laboratories there are a number of little
compartments where the keep all kinds
of snakes specimens and more - the
assistants just has a T bent wire
at the end of a three foot wooden pole
with which he hooks them out. At
one time I had 4 deadly ones out on
the floor *Lachesis jararacussu* by name
I had shed dangerous to me by they assured
me they could not strike half their length
at most. After eating they hooked them
all back, but one, that one he just
hooked down the head with his wire and
the snake was not picked it up by the neck
during a dish he let it open up and
there was quite a bit of yellowish liquid
poured out of the fangs, two inches long
and ^{sharp} teeth, ordinarily sheathed in
a fold of skin. About 1/2 cubic centimeter
came out and I was told that it was
enough to kill 20 men. But that
amount of secretion was fairly small in



2
I had I had. To find out I took me to
the celebrated 'museu instituto, Botantico,
where snake museum - and more - and more.
It is a very wonderful establishment (Columbian
Institute - building museum, several libraries,
buildings, stable, extensive grounds and
fields, enclosure for snakes and what
not. Snakes are kept here too there
are a number of very poisonous ones in
Brazil, the tarantula has three very strong,
not be deadly, a *Sigecora* to produce
terrible lesions, and a very poisonous
one *Atheris nigricans*. I saw each of
these too they have produced a serum.
There are about 150 different snakes in
Brazil, and in the Museum they have most
of them, as well as preparations showing
the effects and results of the bites, diagrams,
charts, statistics, and some living material.
You should see how they handle the
deadly poisonous ones. In one of

the laboratories there are a number of little
compartments where the keep all kinds
of snakes poisonous and non - the
assistants just has a T bent wire
on the end of a three foot wooden pole
with which he hooks them out. At
one time he had 4 deadly ones out on
the floor *Lachesis jararacussu* by name.
It looked dangerous to me by they assured
me they could do it. He held half the length
at most. After a time they hooked them
all back, but one. That one he just
held down the head with his wire and
reached over and picked it up by the neck.
Taking a dish he let it open up and
stuck at quite a bit of yellowish liquid
formed out of the fangs, two inches long
curved ^{slightly} teeth, and a very stretched piece
fold of skin. About 1/2 cubic centimeter
came out and I was told that it was
enough to kill 20 men. But that
amount of secretion was fairly small as

4
These particular snakes have been used
rather frequently, to give up poison. They
survive & not exhausted conditions it
would yield up about 2 cubic cent.

Practically all of the serums are
produced from horses, they have some
three hundred all told, maybe 75 in
the stable at one time, in nice stalls
and charts just like in a hospital. All
fed too, and cared for. The produce a
diphtheria antitoxin here as well. The
injections are made in the neck and the
serum withdrawn the same way. It affects
them no more than a hypodermic in the arm
does us. I was pointed out the skull
of one horse on a shelf that in its life
time produced \$20,000 dollars worth of
serum, and for this reason it was saved
and now is pointed out to all visitors.

I met Dr. Verlaque a French man who
works in spiders, both systematically and

experimentally. He said he would do good
to exchange spiders with Mr. Strenche,
and gave me three of his publications for
him. I thought the directors was not in
I have been assured that they would
give me a collection of live snakes to
take back with me for our Zoo. Well
I have it in mind to send Brazilian
assurance. They say yes to every thing
are very helpful and encouraging but do
not always produce results. We are
much more abrupt and gruff, and much
less polite, usually the answer is bluntly
yes or no but the results are forthcoming.
but here, always "oh yes, yes we shall
be glad to do this and that," and they have
offered more but it never comes; and the time
flies by like "60". The most encouraging
thing in these two days at São Paulo was
the promise I have from Sudewalt that
they would pack these midwestern stuff
up for me, let me study it out here &



a set of duplicates and of it. We are to get all unidentified things, cuts, amplifolds + isopods. Of the last three there are not so many as Miss Ralston has named most of these cuts in the year gone by, and of the amplifolds + isopods not so many have been collected. I had hoped to get them out in time for this next steamer, ^{the} ~~the~~ ^{the} ~~the~~ Santos for the north, which takes this letter bearing accidents.

I forgot my tubercle experience in São Paulo. Naturally the morning I went with Eudward I needed a shave and so he shaved me to my hotel which was for business. After making my usual business and got my shave, cold water one, when finished he made no attempt to wash off soap, so I suffered the hair to remain scrapping head later enough off. He picked up a perfume

at home, and was going to spray my face. I protested vehemently, and said háo máo água, but he could not believe his ears. I showed, and handed down a perfume bottle with yellow soap in it. He then would not do either, probably more expensive than that ordinarily dispensed here. I insisted on plain water. He did not do but motion me over to a basin on one side, I said and washed my own face. I did not do either side was.

I got in quite late Thursday night but still in time for dinner (supper)

Friday Sept. 11. The a.m. at 7 o'clock, went by the American consulate and registered, and got the visa card his. Arthur G. Passlow to introduce me to the Captain of the Port office. Here we found a very nice gentleman, my usual companion. He said he would have

8
go around with me, to the several
fishing grounds (By the way I said the
Council not mine but we could do make
an appointment before 11 with the Capt.
of the Port). Also he would send me
to Ilha São Sebastian where we
wanted to go, and furthermore would
arrange to have the fishermen there
help me too. Sutherland said he
might accompany me there, as he
had always wanted to see + collect
there himself. The Capt. gave me
a letter to the President of the Fishermen
Confederation, but we could not see
him till 4 o'clock. I found him a
very fine man, who spoke a little
English, and who had several books
on Natural History, one in English,
"Julio Conrães." A privately well
to do Brazilian, who founded here in

9
Santos, a society like our Humane
Society for the prevention of cruelty to
animals and who maintains a bird
sanctuary on his private grounds and
on the ocean side of Santos. He
said they would have a fisherman for me
by five o'clock + that they did not
like to the Consulate to wait for him +
a young Italian showed up. We made
a date for 8.30 the next morning + that
night I got the ~~Black~~ Borden's son to go
with me. So far so good

~~Saturday~~ Sept 12/25. But the fisherman
didn't show up till after 10. But
I forgot the saddest tale of all. There
are no steam trawlers here. The war
rendered their operation unprofitable +
though they were negotiating for one
now, there was a chance for a trawler.
Just what I expected, it is seem to go

10 all along the line. Something is going to happen to this hinterland hunting just as sure as fate, before I arrive there. It rained off and on all day Friday and the same today, a nasty cold drizzle, added to which we had high water at Ponta da Praia where we went to collect, and saw over some nice banks. Friday night ^{the} had been a storm outside + the water was too high + rough for the big nests so I was only able to see one small one today in. I think this I got a few fish just to keep a line on whether indications they might have the change of environment if any. I did get in Palacina out of the Pond. On the opposite side of the Bay entrance off the mangroves I got a very narrow body graptoid I didn't see at Rio, in similar locations

I also got some debris I tried to burn 11 through for amplified fire chance I got. It's not half so well fixed here as at Rio, because the Confederation of Jibara has no place I can work, so I am using the warehouse of the Federal Express Co. ~~at~~ here a very place but not so convenient as it might be. with short hours. I have to get out at about a quarter to five. at the table little walls around town till 6 when I sub. My experience never fail. We started off at a wonderful rate this a.m. for Ponta da Praia (end of the branch) in an auto truck belonging to the Confederation, got about 1/3 the way there when we had a heavy and had to abandon the truck and resort to the street car, with a good walk at the far end. Here they are worse than Rio for cars in cars.

They charge two extra fares, — from
 two to four! And then sit on the porch
 from with the motorman. And with
 the truck had to haul my plunkers back
 the same way. While I was in the home-
 house Bacon who had befriended me
 on the ship asked me out to the house
 for Sunday lunch. I told him I would
 come if I was able to get back in time
 from collecting Sunday, a.m. A
 young Brazilian in the Consulate
 offered to show me a good collecting
 ground, and so it was

Sunday. Sept. 13. After the last
 week of days of drizzle the night
 sun seemed most suspicious and
 sure enough we got two little *Mprochis*
 under a rock. *Muscia* found a new one in
 his second list and there's nothing
 like it nearer than in his *Parton*.
 Because *exhibitor* report for northern

Brazil. In addition I found an *eel* and
 a *rock*, got several *incedians* and
 a number of small *Xanthos*, large
 ones too some *peddles* and other *gules*.
 struck the tide low this a.m. and
 could have with the fishermen if he had
 turned up on time. The young man
 from the Consulate had two boys with
 who scammed out a great deal and
 enabled me to make a bigger thing
 for the day than otherwise.

Spent the afternoon at Bacon's and had
 a very enjoyable time he assured me that
 there would be no strange change in my
 boxes, which helps some, though the change
 would not have been long in any case.
 People here are certainly good to a stranger
 and aside from the climate being like
 California, the hospitality certainly is.
 You are taken at your face when
 and you find a *concedent* are not

Surprised into.

Meals are certainly varied in this part of the world. Always in course. Soup, Jam, or with eggs, sauce, roast beef and lettuce served on the same plate as vegetable, water, beer, coffee, bread butter, crackers, + oranges for dessert. Supper cold salad like preparation of cauliflower, potato salad with sliced tomatoes + onions in it, cold roast beef, bread + butter, tea and home made cake. ^{at the} hotel where I'm stopping, had yesterday evening, cold salad preparation of fish; fried muffin like dough, deep fried with mixed ham inside; roast beef, sliced potatoes and carrots, gravy; sweet breads, and sausages for dessert, coffee, bread + butter. There seems to be no end to what they bring in + the fruit doesn't seem about "tame"

As compared to the rest of the meal, it's more like the word. It is the smooth ending but as plain compared to the rest of the sumptuous bill of fare. Simple meals are not found here except in the wilderness and their substitution is probably the oranges which are everywhere fresh and eaten without skins. 10-20 cents the dozen for very tasty fruit, with seeds however, but apparently more tasty than the Florida as I recall them. The Bacon's want to send them by to all you in the States, and are interested in psychology. Promised to send them German books when I get back so write it here to remember it. Then by my stamps out will send Brazilian in return. // Tomorrow I must visit the warehouse, couldn't get in yesterday. and in the afternoon must write letters for Sweden's north bound steamer. // ^{Sweden's} the first steamer ^{has} ^{been} ^{sent} ^{out} ^{at} ^{Brasilia} ^{grounds} ^{and} ^{is} ^{now} ⁱⁿ ^{the} ^{harbour} ^{at} ^{Brasilia} ^{grounds}

Monday forenoon Sept 14-25.

Write letters all morning and half the afternoon, getting things up to date. It began to rain in afternoon quite a cloud of rain. Got a telegram from Santa Cruz saying he should be down Tuesday for the San Sebastian trip. + also a flying message via the consulate saying my fisherman was going away for five days, so Tuesdays off, could have gone to Ilha Paqueta by myself had he let me know early in the morning.

Tuesday Sept 15. Rained all yesterday afternoon all night all day off and on just poured the a.m. Had to expect Sunday till evening or after only a specimen in a.m. as after Bureau invitation to go down at the same time after loading (in the rain) and have lunch aboard the American before sailing for New York. I certainly wanted to be with

my home trip. It rained rain force of coffee body. They were further about 25,000 sacks of coffee. The American people get 10,000,000 bags of Brazilian coffee right out of Santos here every year.

It was certainly fine of the Consul to come down here to go to San Sebastian with me. His labor leave to do it and how nice it will be for me, and I hope for him. Tonight I've packed my personal junk for pulling out of the hotel and tomorrow we pack a chest of stuff we want to take to San Sebastian with us. Still raining, slow down to a fine drizzle now and then, and then speeds up to a heavy shower between times. Had lunch and lighter along with it last night. Sept 16, Wednesday. Rain off and on, then a sunbrella was a fine improvement and it looks as though I shall not be able to venture out

18 This is the rest of my stay. This
A.M. we spend all morning repairing
some boxes for my São Sebastião
trip. Called on the Captain of the
Port and got a fine letter from him
to the fisher people in São Sebastião
and a Marine to take us to the launch,
that is to take us over granite. But
German ghost what a craft I said,
large, but just a deck, in a hull
no shelter, and slow as molasses
in January, takes eight hours to
make the trip. One of the deck
hands speaks some German. I
haven't spoken any thing but German
for the last week. Live at a German
hotel and eat with the Suedenalt
only German, that you'd laugh,
if you could hear me, I even

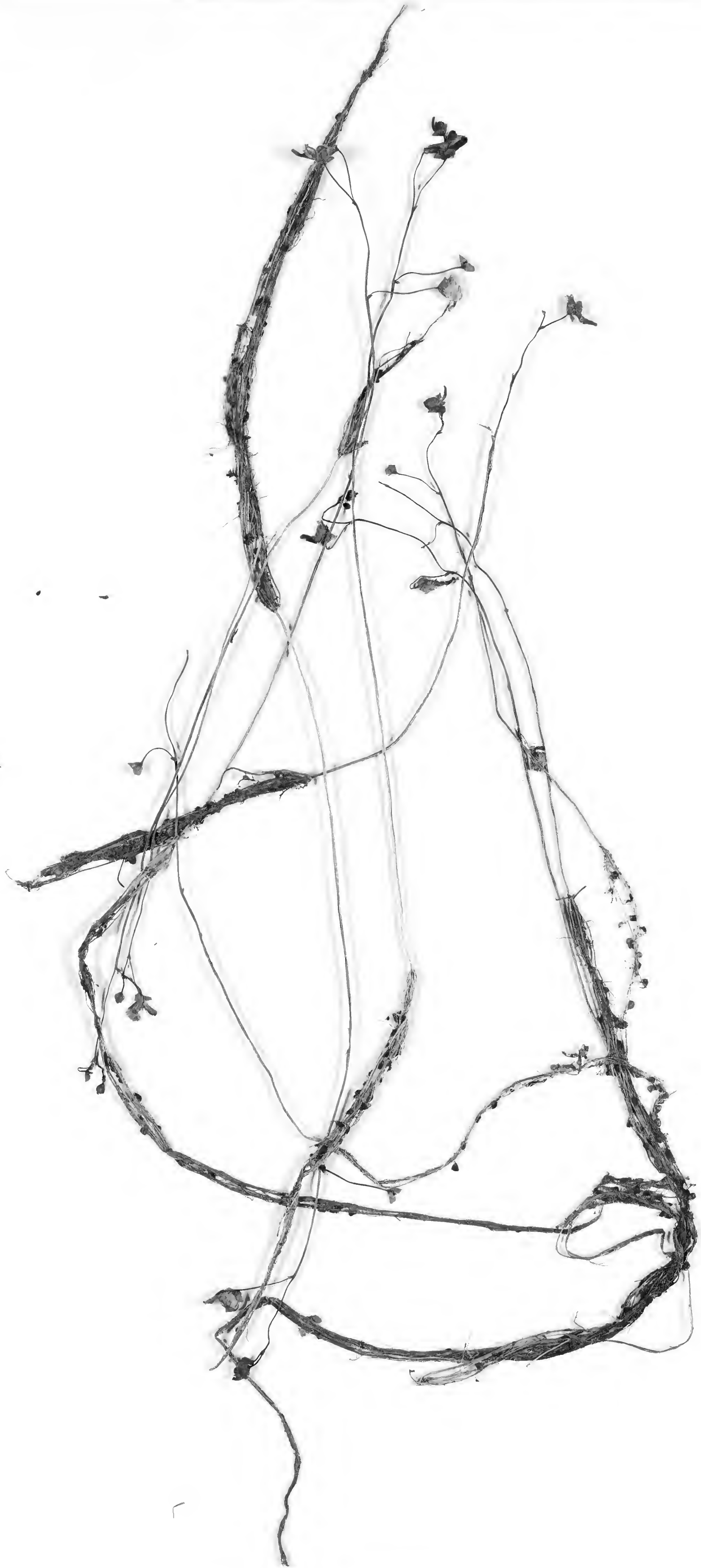
19 can't say more in German. The
hotel waiter speaks English, but I
find myself answering her in German
right along. She's a big stout woman
like Manning Miller was in her prime.
I moved at eight A.M. we start
off on the launch, lay down on the
water front. They mean leaving
here at 7. So that means off to
bed right now. Had I mention the
last night it was hot as I believe
I finish packing as I believe
he had expected to leave today at 4 p.m.
but as usual the information was all
wrong. Seeing is believing in this
country where everything is promised.
The Suedenalt will not believe the
free passage part of it, until we
are safely distributed out of the bed
of an Johnny. All know tomorrow
leaving. // Suedenalt I think my information first
a great one, with all his the biggest - all day
the next time out

8.20 17-1725 (letter on the night of
the 17th)

The last three have been kids
days. One of the should I say, he
got up early, had morning coffee,
and the landlady fix us a lunch,
and got on the way for the market
dock, whence our launch took its
departure. The start had been set
for eight o'clock, that is what we
were told the evening before. Nothing
is scheduled time for all the other
passengers were allowed to at the
appointed hour. But our manager
was told that the tide was low
and had to reach a certain level
before the launch could leave the basin
through the canal, which connects
it with the ship channel or rather
harbor proper. Well we waited and

waited at 10 o'clock we went ashore 21
and took the Station engineer with us to
breakfast. He spoke some German
so the time went pleasantly enough and
times. Had coffee & cheese sandwiches
and bought half a dozen more for the
trip, and a dozen oranges for 20¢,
tangerines, good we did too. Finally
at eleven o'clock the skipper decided
to start out and then we were within
an ace of being too late as the tide
almost put us so high above the
air that we scarcely had eight inches
clearance between the spar of the boat
and several iron (fixed) bridges for
vertical clearance to pass over the canal.
And then too, we had to push back to
the entrance several huge boats with
fire-wood before we could get out. They
entered one end of the canal about
the time we entered the other. Ah

gain the open roadstead, a little
 way out of the channel we stopped at
 a little pier to put up the mast, as
 at last I saw what we were a
 modified sail boat, which however
 had the sails. Put the mast up
 for hours. It was 12 o'clock by the
 time the mast was up. Think of it
 half a day gone and just under
 way. Besides the boat itself was
 just an old poke along. The
 passengers four or five Gypsies, &
 some Brazilian of all colors from
 black, brown & black skin to pinkish.
 The aged light ones that could pass
 anywhere in the states. The boat
 was 60 feet long and carried
 20 passengers and 4 men in the crew
 and only had one little cabin a
 rather hold with benches around



gain the open roadstead, a little way out of the cove and we stopped at a little pier to put up the mast, as at last I saw what we were, a modified sail boat, which however had not the sails. Put the mast up for looks. It was 12 o'clock by the time the mast was up. Think of it half a day gone and just under way. Besides the boat itself was just an old potboiler. She was for a fine day, & poor Brazilian of all colors from black, brown & black skin to pinkish. The aged light men that could pass anywhere in the state. The boat is not over 60 feet long and carried 20 passengers and 4 men in the crew and only had one little cabin or rather hold with benches across

the sides of and over 15 feet square. It was threatening to rain all the time & in fact did drizzle off and on. The boat is a general freighter and had a deck load of whiskey (bottled) cases for São Sebastião, and distilled sugar cane is the principal industry of the place. Oh! in addition to the passengers, the cabin? had to take all the hand baggage. There was also a little table, chairs & arms. We asked when we would get on, and were told 9 p.m. When Sudematt heard that, in view of past delays and present slow progress, he said his letter said you might miss ~~the~~ (we live entirely on regular lines). Well, we poked along through miles of mangrove swamps, they

An irregular system of sloughs & canals, like upper Eastern Branch, in the swamp there. Half the trip is through the road of country but it's with a little way back from main or swamp borders, we little while we could pass a sign knives laden down to the gunwale with green bananas laden by dirty little lanterns (too long & too expensive to hire for dredging) and every once in a while there would be a wide wharf, with sometimes a narrow quay track running up on is + well far you could see the roofs of a few huts in clearing of extensive banana plantations. Though Santo is the world's coffee market is done in small business in Sitting

to the rest of south America. In fact as we way up the banks we saw a couple of up lines receiving the loads of the green fruit before still posting along delightful trip for back behind the plantations were great. Steep hills covered with what looked like scat timber, but the day was too hazy + raining for pictures and we pushed pushed along it looked as though we would never get any where if sure enough it was my long before the wood went around that we would get to Berthoz at 3 pm + would there still 10 pm before get under way for the Alto. Just where we couldn't make out at the time we was the skipper seemed certain in his own mind. Berthoz is at the end of the canal system the half way point where we leave the island with way

for the open ocean. On the inside of
 a fairly narrow entrance on a hill
 at the rear and foot of which is a
 little twinkling light. on the road
 after on the other side is little
 Bertozza scarce and dog houses,
 a very nice German. Germans and
 and old Spanish food. The outer
 wall of which is washed by the ~~water~~^{sea}
 at high tide. All the way along
 the pictures you see of St. Augustin
 the peculiar little round water tower
 at the rounded angles of the wall
 those erected by 1553! But
 this is the worst of it. We didn't
 get to Bertozza till 5:00. Dr.
 Sanderat had been here three years
 before in a collecting trip. It was
 just one of a place for collecting
 but a place. He was a nice man!

for a summer vacation. The German
 people were and told by a relative
 German butcher of St. Paulo + his
 wife who liked the place, took family
 for the company on a way they were
 about and plentiful had done. The
 place is true a big as when the
 Sanderat was here before, still built
 and of brick and a real German in
 every way. There was a house full
 of Germans to from St. Paulo
 in a vacation and their offices for
 one of the bus line, who had
 come up in one of the ships bands
 to spend a few days before arrival
 back + return to Germany. We
 had a dinner had of bread beef
 + fried eggs, good German style
 food. From Germany I brought. Put
 for the ship. Of the officers + of
 course coffee, and the beer. By

This time you will realize you were destined
 to sleep aboard on launch for you can
 can have ashore only, without tobacco
 get back on board & catch some sleep
 before 10 when the major motor starts
 up & after about with the pitching of the
 vessel at sea sleep was impossible
 But you got aboard, but when to sleep, the
 cabin could only hold so many & what
 is not it was a narrow & children's feet
 & besides there was not space for the
 months of sleeping in this stuff place
 with that smelly stinky and got on
 the open decks at the fore of the entry
 rain I had the oil skin pants had
 given me & I had been out there in
 emergency. To spend them for pillow
 on deck at this much wind and
 had to cover for covering at least we
 used one and some furniture the first
 and still others added in at the

when the boat was about 20 feet
 long by five wide. You begin to
 hand & the side we had to sleep in
 clothes I in the side of my blue suit
 & what I did not have in my pockets
 boots & a box of small change that I
 had particularly gotten to pay small
 things with in the other, books, paper not
 some chocolate candy & what not.
 It was a terrible sleep? & then at
 not 10, but 11:30 the motor starts
 up. Everything is always behind
 time. So suddenly they to we would
 try sitting up a while, but it was so
 dilly & uncomfortable that I frankly
 felt better to try to doze. Think of it
 he is over 60 years old & crawling
 around with me like that. I don't
 mind night we ate what was left of
 our lunch & and an orange & juice
 the last two & laid down again.

naturally we stayed for daybreak &
 finally it did come, but did us
 any California morning ever was.
 The mountain was so high that its
 light tops were seen in green. We
 passed 3 or 4 miles in the night &
 and 2 or 3 miles in the dim early
 dawn. (Said that I collected here
 2 or 3 years ago & must have taken
 the ~~W. P. P.~~ ~~Shelton~~ ~~has~~ ~~recently~~ ~~been~~
~~in~~ ~~charge~~. It was interesting to hear
 of them and asked for names if they
 were available.) At five thirty coffee
 was served. You think I am sure they
 did for us in some coffee this time
 a day. Besides the milk tea at
 Berkeley, I had had a drop
 of water since the fifteenth, but had
 a much coffee I didn't get thirsty.
 Presently we were off the island, and

a ~~mountain~~ ~~range~~ ~~was~~ ~~in~~ ~~the~~ ~~area~~
 mountains, + 13 miles long. The
 for the minute has many wide trees
 we came off the first boat with a few
 houses + there we stopped a couple
 of courses put up with freight for
 supplies destined further up the
 + at the next night. We moved up
 the place where the ~~is~~ ~~located~~ ~~in~~ ~~the~~ ~~high~~
 we could never get to ^{the} ~~the~~ ~~place~~ ~~where~~ ~~we~~
 wanted to go. Thinking if it was really
 to reach before we finally did get
 there, all day long + but in things +
 no shelter in the ship anywhere but
 in the uncomfortable cabin. Opposite the
 crowd of passengers thronged at every
 place, and we were about the only ones
 for Villa Bella. (I did not have
 to pay for a freight, "what do you
 know about that?" Villa Bella is
 quite a place? How was a little pier

post office, post station & a couple of
 general merchandise stores but limited
 markets few houses and few game
 grown items, we saw two houses, in
 first one 3 goats, + no end of dogs
 and little brown children almost
 everybody is related to every body here +
 our hotel keeper is the father of the
 President of the local fishing club.

The new hotel and old house
 stone building with a brass front,
 damp in night + dining, a dreamy
 place but the only one in town. The
 streets are clean, and the food ample
 by them is electric light, but the lamps
 must be 5 watt. The air is very low
 and we can hardly see over ~~the~~ ^{the} tops
 our eyes. The impervious bread
 is white but we manage to eat +
 enjoy to the good we can't see too much

It is quite the best to be staying
 here. The local plants are already
 to hand. Only the village ³³ is far I
 can see they obtained special dispensa-
 tion for the town council, + the library
 press has in the adjoining room. About
 hotel? and let us see one of the
 two 25 watt lamps as we can write
 a little before bed time.

Sept 17th we have chicken in some
 form for every meal, except morning
 coffee. Had fresh eggs, bread, butter,
 beef, some greens + plenty of rice
 and coffee 4 times a day. Morning
 with breakfast at 11, in middle of
 afternoon at coffee at 2.30 and
 again at dinner at 6. Just now
 the best food in the a. d. + we get
 all rounds. Morning + afternoon coffee
 include butter, rolls and the other best
 meals and the butter. I thought we had

found children, find nice, make of plates
looked that smooth. All had had
live, some with chambers were with a
fine shell on inner side. Others + contents
padding for dress, coffee + little glass
of red-hot schnapps. If you want
it. I started to look. But it was
like.

But the collecting was good
today. Got a lot of things, few
could show them. Then I have
seen so far, lots of Curragh of a
kind what least who went to me.
But dodging is out of the question
the Bryozoa fishermen are mostly too
poor + those who might help (there are
more on the end of the bay island) are
either too busy or bound to guard, which
may hinder the limits of fish can
effect. I guess I've gotten help
done in some other ways. I have the
way that are all sent to the records
in the section of the case in hand.

and a fine collection of Bryozoa.
fishy pendant. It is promised us
very strong fish as there is the strength
caught in their nets but seeing is
believe. From nature hope to do better
yet + Monday morning to later most
to the other side of the island (with some)

we went going before breakfast + late
breakfast tomorrow. Got to the water
jet cold at 6:30 a.m. with the tide
low much raised tonight today, as
raining weather from South is still
hanging around but hasn't let go yet.
1 - 9:40 pm

Of all the more collection. The
Sunderland will take all back to the museum
except what I then send as a gift
after he has shown them. Bryozoa of
which we've gotten some very nice ones
will all be sent to H. B. Baker.
Other groups, unfortunately duplicates
of last year.

Sunday Sept 20 - 1923

Spent day in morning at the bay
 swimming before breakfast, then pulled
 afternoon. He was fortunate in having
 nice morning but later. Had one
 of the best days yet got at least
 half dozen things - most to the point
 of the Brazilian and + also notes
 do a lot of species of *Drumys* I
 didn't get at Salinas. The night
 here is no where near as great, nor
 does there seem to be as much forest
 left. I'll write the grass I have
 been able to locate no do the fisherman
 know of any. (Eggs are fairly good
 considerable *Helicid* material from there)
 and many number of *amphipods* ^{italiane}
 Being Sunday we had late breakfast
 which is the midday meal, and to supper
 and no supper. In the case of mind of

all the day of rest. However, only
 the late meal which was more like
 than usual. They didn't save much,
 had a Sunday as had to make
 an oven bed. The piece of resistance
 was a great big plate of macaroni
 in the station, *potatoes* + *beans*
 and, besides the usual rice and
 meat, stew of Brazilian beans,
 leaf, chicken, rice, potatoes, eggs
 fried, chicken mixed boiled cabbage
 for the first time, baked banana for
 dessert + coffee. We had boiled
 rice, and stewed chicken - hot potatoes
 and the table set every night, the hot
 beans every night + each day coffee.
 In the evening there was the usual chicken with
 rice + starch, ~~scrambled~~ scrambled eggs
 with fried beef mixture, ~~meat~~ with
 chicken griblets to make it, fried

4 1/2
135

tried potatoes, & baked, & fried. of course bread, & scraps of your lunch. Baked bananas (baked in oven with skins on) & dulce, or kind of all coffee. Oh, not all right, some but what else forgotten something. All this for 9 miles a day (which now is about 15) and costs me about 135 a day. Of course the light is punk and accommodation - except that the floor is kept scrubbed clean, & the bedding is clean. If I get an idea of I want to take a few pictures of the place, but I nearly get a rest from packing specimens, and get fed up on that part of it. There are lots of common species but I try to concentrate on what would be good.

spec. This is being written on the night of the 21st, as it is two days a week together. I'm sitting up for a second turned back at 10 o'clock. He made a most wonderful haul night before last, at 10-11 PM mostly with 1/2 a haul night's at 8 we got 1/3 of a night's a bottle full of tiny things. As long as we hauled at 7.30 and we go to again at 10 to see if there any difference. May be the wind but tonight at least it's pretty thick. The north night's changed though. One of the most interesting things night before last when the lantern was pointed in the water when it was stowed with lights set as otherwise, but try we might be found then able to see down the course. The phosphorescence doesn't last anything at all, or for a moment.

40 The night was a pretty long period
light and dark. There is a fine
with the sun, but the sun is
at many the second night, though the
light is more the less, & the things
were not present in appearance of
the night before. Antennae are not
numerous enough. It might be
a few more, which will have to await
C. P. Wilson's dictation. I am
to think of a method to be followed.
I think the reason we can't dig out
pieces of light is a deficiency in
light. I will have every kind of
thing in it. I tried putting some of
the contents of the nest on paper spread
out, & a spot of light, but
I don't know what was the result, but
could find but a few things
any while. We are still trying to
the most interesting thing was getting one

41
antenna in the two nests. But at the
first time it has been found at night
that way. At least in going to look
that up, they are out of the road this
morning while swimming. The water is
71° F. but feels like ice. Cassin's
ghost is just off 10 and is sleeping in
the distance. He never seems to get enough
sleep; of course we are not at 5:00
but a very + morning coffee at 6:
6:30 and then off collecting. He had
found a very small hole of water
away, & you know what a time we
got there. In sand we, especially
when you have a couple of 5:00
turn full of water & quite to long
he didn't even sleep one day and about
2 and prepared the skin off his feet.
Yesterday was cloudy & little sun, we
went out fishing with today & in the

got up I saw some birds. One certainly
 had a red breast. I suppose I shall
 copy my notes. I had it written
 with the carbon paper, the other being
 specimen (above indicated) and a letter
 note book in all I can manage.
 So instead of being a city journal
 note the journal is more than a
 diary. With many things I
 let the workman there. My old
 blue suit for years. I found the
 coat in a heap realized my fears
 I began to be to use of damp cloth
 and the thing is so shiny you can see
 yourself in it. That is the pants
 one, & the coat, though not shiny
 to be a full of wrinkles in which she
 took it. I have to use a cloth in it
 and I find that laundry. I suppose the
 coat was too much for her and to

today got paid out all. Got out 243.
 and 50. I found a kind of ball, that
 one actually afraid to try it. It
 will not have to wait for Santa
 Claus. He is in the place has been by
 some six weeks. One has to repeat
 every day. Today we told her to
 say that to her for his sake. + told
 him if he got in some long hand
 coat would give him 200 new fine
 for a dozen films over usually 100
 (1/2 each). They would be about 37
 copies for the coats. There are some
 freshwater clams here, but I don't
 know what kind were going to have
 trying to land them. I had a hard
 time to do it every thing is right. I
 feel I am neglecting all kinds of opportunity
 but it just must be. Do not get half
 the creature I had, while I don't tell
 me we are getting twice what he expected!

21st 22nd Feb 23. In the morning I collected
 some fresh water specimens, and collected
 a number of fresh water animals, and
 to different species. Collected them
 all. I wish salt water things here
 as soon to catch. Just hold your
 dip net down, shake up a few stones
 and they seem to run right in. I've
 much of the mud at the bottom of
 gravel & some rocks, which in the house
 may be water small shrimp. I've
 one from all afternoon trying to extract
 upon them. One from a ~~small~~ ~~shrimp~~ ~~you~~
 crawled out of the big bottle I had him
 in - left the top off with the water in
 stay fresh longer. - and toward the floor
 just like he had, I was going to hold in
 I found fresh water in the half yard near
 very much the rest of the day. I was
 had quite a few of the water

sandy ground beyond where we found the
 dead. All sorts of use of the bird in
 got a few more clean in a small
 time. Hunting for him. Just walk out
 to look around in a long change that
 he must be able to help you have all
 our specimens are wonderful climbers &
 business, had as fast as they could
 way right out. 6 inches of the water
 the water level, & even snuffed up
 that much of the water. And you
 should see them walk around in the floor.
 Wonder things in the world to catch a fish
 up. One just has to know the fish &
 how to catch them. I've seen them
 could not survive the dry season they
 is often in the water in the dry ground
 as I saw some in the ~~shrub~~ ~~in~~ ~~the~~
 water about the stream they can travel
 considerable distances over land should
 their power show you they. Here

had on land with the fishermen, a few
got here and were very surprised,
then with a lot of things to be bought
things in the collection are possible

Sept 23-25 This is an account of
the morning del. I suffer no more but
to the fresh water stream I saw a few
could get more of them from yellow
stuffed shrimp to find yesterday but
way up stream. There was a
lot of *Arcturionia* but not more
than a couple of places. Over days
the former place two got all the
things, but no more yellow ones were
offered. The birds and the fishermen
make a space for the bird but none
of them have shown a finger. Of course
we shall get up in the process, but the
people think they will be interested
and say "See you get under and also

things to be bought. I have
one, one, to offer 100000 (150000) for
me. There is no the first I know
been able to settle the difference between
the young of the *Jamaica* and
the *Spina*. He has both in the
but under 2 inches (body length) of
the former. I can't distinguish just then
but as I see *Rana*'s *guttata* is
an excellent thing. I would see things
In this one when there are five
more species of shrimp and maybe
a sixth. This is good when I make
the difficulty of making up collection
Of the *Arcturionia* I must have several
hundred, apart to see what the result
may be in this relation to the *Arcturionia*
and from which they are derived
having several liters, but large - maybe
but they are not so numerous, nor are

Friday 23 - 1925. Had I am in Blumenthal and
of paper & the doors are closed. I had to
write a lot about my auto trip over the mountains
had I am given you like the outline. Rain, when
we left Adak and still raining began 9 p.m.
had a Ward bank down's north talking
about mountain climbing & mud running, but
in the rain I would have taken a picture of
the road down. Was tremendous. The climb
and a narrow, muddy, slippery road in no way
especially when the side dropped for several
hundred feet of steep slope. Had to
have to pass an auto right at one of the
worst places for Grand Canyon but was fortunate
for our rain & clouds. There was a third truck
three cars with nine people total when we were in the
drivers seat. A lot of space in the rear for mail
bags & luggage. Quite a load for the dirt.
It seems I am up here right in the middle of
the rainy season. August Zickler who has
Tritz Miller, I stayed in the street going to his
home but found him a year later. He said he
would come by tomorrow in case of better weather
& take me around, to camp of Tritz Miller
relatively out after his former home. If I
can get to see them and a few more about
& a picture or two, I'll be satisfied & full up stories.

there is no train on Sunday, so partially I cannot get
 away till Monday evening. But Sunday is the
 best day for the far several days have made
 the river rise to such an extent they tell me you
 can't get any fresh shrimp. ~~That is not true~~
~~still~~ ^{it is} to be had here as other times. The
 hotel here is pretty good but old-fashioned. One
 side is a beautiful garden, in which my room front
 unfortunately is across a path. but it leads to
 first a Pergola, next a cow stall + horse, then
 which is the down stairs entrance, then a
 sort of scullery + then the lake over in
 one corner of a partially walled yard. work
 table in another + part of kitchen wall + then
 to dining room on south side. All under
 one roof or ^{to speak} ^{trifling} in the house but
 Blumenau. "Hutch as a name" is the
 expression that fits the place. It is here
 that a young Brazilian told me years ago the
 story. I had to carry a sign "Portuguese
 spoken here" when that was the case. There are
 no such signs to be found here now, but still
 its practically a local German - everywhere
 can reading a few pictures of the place, but they
 are old. The church is seen all back since
 a great sidewalk on either side, much as ^{it is}
~~at present~~ ^{at present} ^{it is} ^{still} ⁱⁿ ^{the} ^{hand}
 is that way. Some intention ^{is} ^{being} ^{made} ^{of}
 it is made. I'll try to get some info tomorrow.

54
Afternoon began packing for return to
Santor. Hope to catch a steamer back at
4 p.m. I want to leave for Santor tomorrow
as soon after I get to Santor and
can arrange my affairs. We don't get
in until about 10 p.m. but can sleep
as long as Sunday till seven.
Sunday ~~Monday~~ Sunday night made
three very interesting tow net hauls at
9, 11 and 1 a.m. as the last one. There
was pretty much muck in spite of
drifting clouds, and so the phosphorescence
was in muck. At the time of the one-
o'clock haul I was able to pick up a
few phosphorescent spots with my flashlight
light a day or two in the night, but
the night showed very luminous
spots that I could neither make out with
the light or pick up they just appeared
and didn't last very long at Sant. I'm
sure they must be ~~also~~ excretion from the

55
in the side. Still they may not be the ~~best~~
doesn't seem to have much firmness
or rather lasting qualities in the stomach
I saw a 6 foot long, but it was
beautified when the water was stirred
up, and the net - was almost a blaze
of light while it was being towed. But
the best of all was a tiny *Pteronotus*
a mule, marked like the figures of
maculation. Maybe it is ~~in~~ ⁱⁿ the way its
the first one I have taken the trick. After
of money didn't bring forth and crabs
from muck through quite a number
are consumed here, by the natives whose
children ~~pick~~ ^{pick} them up. There's lots
I know. I shall forget in the trick because
I haven't time to write it down. It is
instance all the little children run
when Suedemollt and I appear on
the road. It is funny but most of
the people here think we are crazy to be

56
Chasing up and down the beach and
the country-side for shrimp + crabs +
such like. That's one reason we have
even been able to get stuff with off-hand
money. Can sure. Yes is different for
Rio, this is sort of the back woods, the
people are poor & ignorant and like our
Kentucky mountaineers must be. Had
winkers many of them when they work.
Bob too lazy to turn on extra penny in
getting us some specimens, small one-
tupel large Squilla was destroyed by
the fishermen. The people seem to kill
off every thing and the worst of it all
is that they will do just the opposite
from what you want them to. They
brought a wild wood hen to us, for sale
of course, asked 20 milreis for it. Suddard
laughed said it was common as dirt &
that their museum could let us have
almost any number if we wanted them.

1925
78
347

57
which made me feel better, and passing
a bird I had never seen before. Bend
I could not possibly have properly pre-
pared it however, the scalps etc. were
The night after that another brought in
a monkey, that he had killed. It is
too bad how they will (negroes & people) will
go off on the wrong track, and bring
you all sorts of things, the negro don't
know. Had a Capt. Brunner, ^{state}
old German sea Capt retired, who
has lived here a good many years al-
ready. 78 yrs old and said he visited
Washington in 1859 with a cargo of
lumber. Still hale and hearty, and with
only one arm. ^{Sunday Sept. 27, 1925} Nice clear bright
day this Sunday a.m. and having the
time we crowded in a trip to the museum
a singing rocks about half an hour
walk. Journey + 20-30 minutes for walk
north of here along the coast. The

58 rocks look much like all the rest of
the granite formation around here
the most unusual are broken pieces
tumbled together. One long piece about
6 feet long and 18 inches square
across on the upper of its thin face
(its end of Δ in cross section) was found.
You could actually play checkers
on it, from the left to the right
by passing from one end to the other
across the end. I was not taken with
it then I wanted to take it right then
but I'm told half of it would cost
me say \$500 just to get it to the
steamer ship landing & then there would
be the freight home. It's said that
smaller pieces are off loose the marine
road. There is a small piece in the
hotel yard that is about 2 feet long
and 2 inches square that I could get
for little or nothing but its lost most of its
round surface. Found a trifle. All the

59 seen in the way they are tumbled are
more I believe. All I got is a
couple of chips but what a wonderful
thing a piece of such stone mounted in
the museum would be. You will find
it hard to believe, but you could
certainly play an octave on that stone
if not more, as fascinating &
enhancing as any chimes ever were
only more so as they were drawn out
of a rock. Close by are large pieces
scored. boulders, deep grooves
ground in them & in the way back
picked up pieces of a black, volcanic
stone about 6 inches to 2 feet wide
running through the rocks along shore
for half a mile or longer. ~~It's~~
but that the fishermen had their share
but said nothing but fish brought in.
The hotel man "did" himself.
found "with the breakfast, the first
meal + only" meal on Sunday. Dickson

gotta provide meals like last Sunday
 a big hunk of bread for which you
 carried your own, a dish of wild fowl
 from the, rice, potato soup.
 I don't see missed at least with the
 dishes, baked + raw ham
 for dessert, + did a hot meal
 coffee. — Got drunk wine also
 with it all. Just like the good old
 days in California you know how
 told you how much the climate at
 this time of the year is like Calif. but
 they have the flu, — terrible —
 I'm all bitter up with them. I know
 they bites are there of flu as because
 god they are not. That the only
 thing that makes me happy to pull
 up stakes. Yes I'm back on a
 little coasting again, on my way to
 Santa Cruz, across the line in the
 a hot land cannot leave ship till
 8 o'clock, after the quarantine in-

spection. But that's not the worst of it.
 The boat is a little dumpy craft +
 crowded with a motley crew — at
 Brazil, Pirahy is her name. There
 are so many passengers that you can't
 find room on even a bench, there are
 only a few benches at the occasion
 and all the benches are
 occupied. There are
 any number of
 rounds, and after I
 was in about the fifth
 one after I boarded, the
 craft. I drank coffee
 which I have eschewed for some days
 and again at Foxloch when they
 served coffee a toka grand big
 cup full to help me keep awake, but
 when a bench to sleep on they took +
 just this minute on casting long
 legs on the table. But I hate to sleep
 in my blue suit again, in spite of
 the poor pass is got in Bella Villa.



I have learned by lesson this trip. On the way to São Francisco it will be my dog's suit. It's given me trouble full service so far, was nothing but a dog Villa Bella, the extra parts for collecting on the other with the coat to take I shall certainly write a material manual when I return, in as pleased with the way it stands up. So long, still in it, yes the digging in the coat one night, mopped it up quick with a handkerchief, used a little water afterwards + now you honestly can't find the place. I think just sort of stood in it, + so was they together. But it makes me mad, you pay full passage + none, I haven't even a place to put my traps off with, one full between the stations on either side of the ship, which you can see from the sketch in matter in par...

dining room, raised the luggage + sleeping room for those who were looking up to get a hold of benches kept them up. I haven't gotten rid of them. This sketch? is worse than Villa Bella x 2. + then some. From Villa Bella there is a German station + his wife you. O São Paulo, of course to Santa Cruz, or São Paulo, or then there is another one, but he gets to the sea side + I haven't seen him since he left the supper table.

Nicolas Vergueira da S. Bordo, Director Turismo, Comp. de Pass. S. Sebastião / dark, + black curly hair, speaks French, Italian, Portuguese + German well + considerable English. His wife is fair haired + blue eyes, + is young, came to her folks in São Paulo as she is not well, has some sort of rheumatism in the arm + hand. Vergueira got his wife a beach house

outside here with me in the "public hall"
 dinner, this & the lunch. Tom has fallen
 me for any thing that I dropped the shell
 & small table with the table cloth for a
 pillow, went fairly well but for ants,
 mosquito & flies. The former on my
 arms the latter on my legs and belly, but
 at 3 am. one of the stewards tugged
 my leg and motioned that I get off
 the table. We had just reached
 Santos and that's what woke every
 body up. I got a bench then
 and dozed around till 5:30. Quarters
 officers do not come aboard till eight
 and then we move. I would have stayed
 at table but I started writing when
 he came, and then quickly finished
 at 8:05. Although I'd been pretty
 tired after eight, but just the
 time after 24 seemed 45 long.

So then in Monday the 28th in Sant. 65
 I went to the Hotel ~~Hotel~~ ^{Hotel} at 10 am
 had my eyes seen ~~by the~~ ^{by the} doctor
 + I had had baggage fee. Then
 went to the Consulate where I got a
 letter for the man at Montevideo who
 he could read my mail to Olona, ^{for}
 as we have no representative there I
 could have, cried, or almost weaned
 or done something desperate. Oh!
 why didn't I think of Karin, the
 mail sent up here while I was
 at São Sebastião (~~at~~ ^{at} this
 as a yellow sheet girl. I'll
 write and then write me to take
 its place in my book of notes.)
 How I need you girl of mine,
 oh, oh! why didn't I think of it
 I feel that every thing is so far away

see the good effect on the American Emigrants here & the German too. One does not find around us (I think it is not what I like but for I have to go) and we seem to be so much more friendly & helpful here, the general run of people. An advocate (a lawyer) who was with the hotel at Villa Bella, also took the steamer for Santos with me a Brazilian who speaks no English or German but has might be offered me a few hours turn in his bunk & this morning instead I got into his cabin & wash up. Still I say that the public lavatory with the little packets (here packets had only running salt water and no towels) The room for passengers are just not considered as conveniently fitted. I've had to have my suitcase repaired the one that has been on all my travels

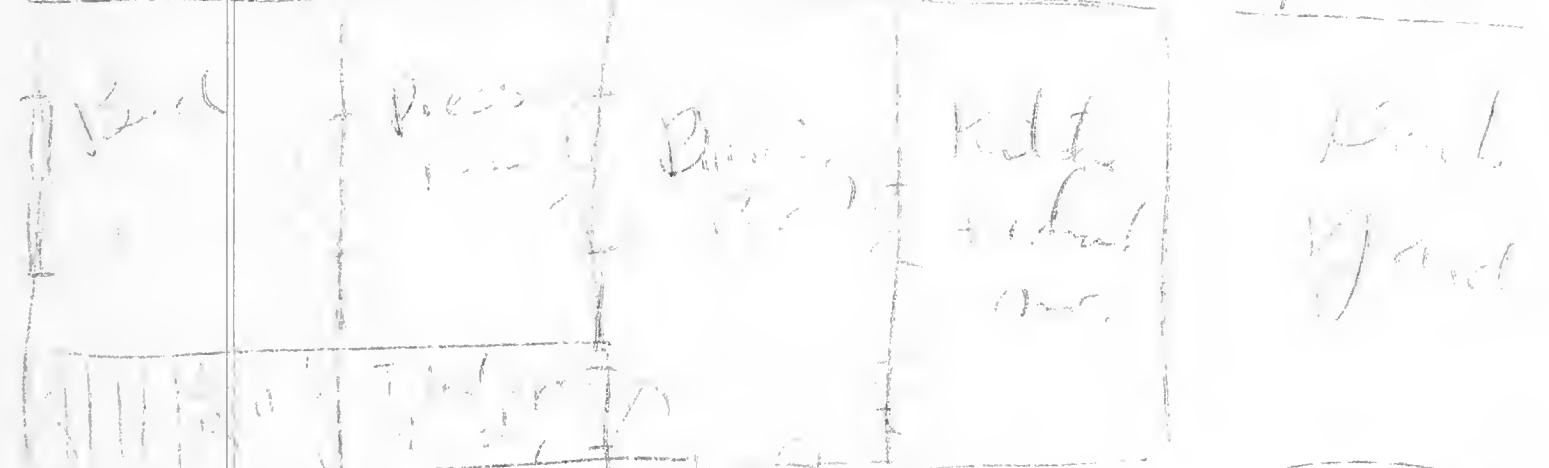
and which I think to see again tonight. I guess I'll begin to think about some of kind of patches in the result of this trip, and my shoes are again fast. Maybe they'll go further south the boots will help out my shoes wear. One pair of undies shoes is badly mended & scratched but water & packing. Together wear out the best of stuff. Mr. Bacon has asked me to dinner again on Wednesday. I was going to pay them a farewell call but for sailing the next day and so I will do so the other way well. Tonight I tried to say my good bye to the Boychen but couldn't then but got there a little late because I went down to visit a Californian Bill Lantieri late this evening with Purples the American Vice Consul, whom by the way I saw first at Rio on Tuesday evening, as all these things were

wind up and waiting (wasting) of sleep,
 time. Now I hate the packing & unpacking
 & hope I can arrange more complete
 small units. It's bad business for
 travel to have only one size bottle in a
 chest, or means taking two chests to where
 we could suffice. Show me the tanks,
 there must be two right gallons in one
 large chest instead of a single 16 gal
 tank, no tank gives you no place to
 store specimens in 75° and also have
 a stock of drugs and oil for refueling.
 The steamer will cross at 12 and I
 go. I to wind things and a few other notes
 on getting it used to the rain
 when I get ready to move there I have forgotten
 to put down rain for almost all day to
 day started about 10 o'clock and has been
 going ever since. Rain had this morning
 and looks as though it will continue into
 the night. I still had mail steamer 2 weeks ago.

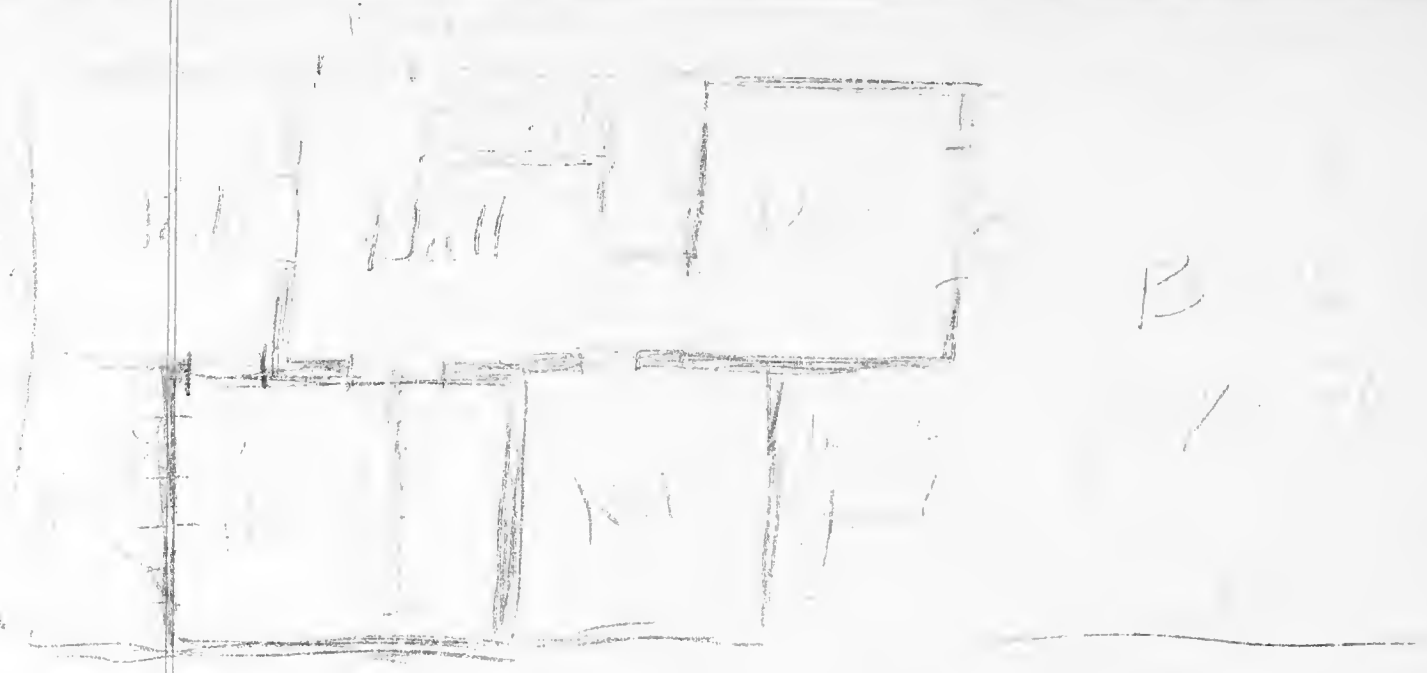
Sep 29 Still raining hard.

Sep 27 Rainy all day. Spent a good
 day and was unpacking the belongings for
 call on sheet for shipment to Washington.
 He is ~~attacking~~ oil can in box from Bureau
 of Antiquities and to expedite matters arranged
 to have them go express collect, but they
 missed the steamer and so I've asked
 Bacon to send them free of course their
 cartage and papers left due to Bacon
 they were held down to 108000. Having
 the papers got away again. Got about
 an hour afternoon but did not have a long
 time but so will remain at me to meet.
 Under / Barros wife is a very nice Brazilian
 girl, and they live and Brazilian style for
 breakfast for me then had tea instead of coffee
 which except for occasional strong cups I believe
 I'm beginning to dislike, there too much of it
 everywhere all the time. ~~Miss~~ She has
 one boy of eight, almost too pretty for a
 boy beautiful black hair & a regular smooth
 face but me with a smile to it, angelic.
 I'd be better, would have a hard time in

is 70% & coloring like that. It seems that the Brazilians who live in the front bedrooms, that have the street window naturally, the corner of the kettle, air in the middle is the dining room, behind that is a room & the living room & in the room the kitchen. Hall runs along one side and is open in the middle of top part. In a room all the rooms were occupying light.



They always seem to look like that. The typical Brazilian house is a town and where the Brazilians live the house are built in the same old home and also have another style which is a square (high) of some kind. The management of Buenos Aires house has the bedroom & bathroom. There is stone water and like roof like most houses here.



Sept 30 Wednesday. Went to do some of the evening around. I started to be anxious that I had to have my passport fixed up for entry into Brazil. There in Geneva I got the American consul taking care of them. He thought I could have had the same as + over my passport changed 188000 I needed + also went + got the visa issued by the language explained that as an entry there would be no change for a special passport but as I could not there always well I'm going to find out when I return. I also took me to the local manager for the Lloyd Brasileiro. He is a very nice gentleman, narrow grey hair + nice to look at like all Brazilians. He talked a lot but everything under the sun first. Oh! my he

to speak perfect English, is a good sign
 by profession I found something about the
 plantation + the long organization which con-
 stituted it. He had written a very com-
 prehensive engineering study of the harbor of
 Pernambuco + knew Caspar Branner
 well, + also of Ward and Rathbone with
 three years before he had lots to come
 to talk about. He personally arranged
 for my ticket, got me what they must
 think a nice cabin and wrote me a
 letter to the Captain, to excuse me for
 excess baggage charges. So far so good
 + better than I had hoped. I wrote
 you somewhat of the time being I spent
 at Baçun. Very nice people and I
 tell you she was raised rather educated
 abroad in a French convent and there
 Baçun met her he went up to major
 the American forces and was in charge of ambulance
 work, has children + everything she was a
 nurse during the war. Speaks English, with
 some German + of course of the French
 children speaks all but the German, etc

in regard to the children. They are
 both going to Catholic priests with the
 intention to well for the children when it
 comes to language. The man who is
 the boy goes, has a good or bad habit
 you look upon it. He does not look
 five minutes after nine, + the lady pupil
 gets locked up till the next morning
 that is I believe it does make them
 perhaps. The Sanga Santos Ferry
 told us that 30 ships a month come to
 Santos no small number for any port,
 almost more than they can accommodate
 and after delays are excessive. There have
 been times when ships have waited almost
 a month to unload their cargo.

Oct first, Thursday, 1925 On these
 Brazilian lines you do not know you
 unless a berth until the steamer gets in.
 The Portuguese system of advance
 application is not such of the large
 ships like the Santos in which you

seems to have me, though white functions
 are not I can't tell at the time. The
 steamer did not get in until late in the
 forenoon - though they expected it to
 dock at one - it didn't till after two. There
 is always the problem here of knowing what
 dock to send your junk to. Just make
 for number 1. My stateroom is a room
 enough, though I might have it alone but
 I found that there was to share it
 with me, and an inside roomy at that,
 with a little partition up high + overhead bed
 it meant the usual thing sleeping up with
 smoking room, but I am getting the steam
 down. Put I changed into my moose
 suit + an old shirt, grab a pillow, my
 overcoat to cover my feet, I take the chow off,
 and so settle down on one of the long benches
 cushioned in a chub of the rug, for the
 night's voyage. Found five except I didn't
 get quiet lights and the after eleven. I see
 the fire that had of to work the rest of my S.A.

Top. I don't see how the Brazilians can
 stand such close quarters. Saw count.
 Saw the smoking room headed a German
 Swiss, who is also going to São Paulo
 (salesman for chemical firm). I myself
 two Brazilians kept up the water.
 Hope I can get my room place again tonight.
 We left Santa about 8.30, get to
 Paranaguá about noon tomorrow. The
 winds strike me as good; at least I am
 enjoying them. Seems as though I write
 out of boats. Tell here is your the news
 for last night's dinner served after 7.00
 8.30 in here. ~~at 6.30 - apparently~~
 Oct 2, 1925 Friday milk + sweet water
 breakfast, although frequent of which
 there is also a card enclosed. at 12 is
 regular breakfast, in middle of afternoon
 appear again, and at 7.00 dinner. Got out
 out all day. This ship is only half
 laden with freight and so the crew is
 half out of water, with the net result that
 we are making no sort of time at all.
 I wonder why they don't take water balls for

I should certainly permit the boat to
 as the screens could work at afternoon
 efficiency. All persons were being seen
 down the coast, with the fantastic shapes
 mountains off in the hazy distance I
 sometimes wish I had a chack, or
 fair as a just intensely looking island
 and great a stretch of low land and
 land not far off. The scenery is better
 about San Francisco and the mountains are felt
 back. This had low stretch, but a
 bank toward which we are headed it
 must be Panamaya, & there is a
 beautiful valley. Well now it is a
 city from breakfast we finally got it
 and along side the city by 2 o'clock.
 When we first arrived they expected to
 stay here for some time & a number of the
 people were ashore in. I am by, but
 when it was learned there was a
 meeting of some further south, it was
 decided to go along side. And there

5 mill for drinks.
 460 reis for chack.
 460 reis for con.

looking in hand of the bank of water
 to the bottom. I think there is a lot of
 to in the shipment, but the
 report current is that we will be
 here until day after tomorrow, but I
 can't believe it, we were originally
 due in San Francisco Saturday morning
 and if we are much delayed it will
 more than what has been expected all day.
 I don't expect to waste time though
 collecting again, to be difficult. I
 canvassed the train today for a little
 handling, my boxes are down in the
 ship's hold, I had in four different
 places. I never found a box, one of
 them had 700 grams a fifth of what
 I wanted. It will have to do, as far
 as containers, I emptied one of the
 cans holding the film packages. Today
 I got a few more, but nothing special.
 With the Swiss I ride to town about
 half an hour going by the banks a
 little car without 6 or 7 seats + driver,

of some other of these I am not sure
 will more or less resemble the same. I find
 there are a few other things, for example
 of amphipods of the water beds I find the
 before I get back, as I am situated
 I have much chance to find stuff. The
 water is good, in fact it is a good one
 about about. The water has a little more
 & ready - between the water which is
 fine of the good water of the water
 though they have a number of detrital
 I have seen to keep to the one main stream
 which is fine of green. The water has
 as far as I have seen it is of fine
 quality, and is clean, free from roots
 I shall try to learn the kind of tree and
 find, and it will be a fine of plants
 which will be a fine of many of these.
 I could not get a dip net anywhere in
 town, tried hard, many in the water
 were rusted out on the ground. In fact the
 the black you have told me before, it is

some all over the water in the
 main opening, which is the main
 part of the old opening of the river. I
 would like to see the water, but I
 the course of it has been so much
 they are not in the water, but I
 had was 5000, but I had a
 little more than I could spend for the
 some of the things, I had a
 till I had seen a few of the water
 with natural gas. I had to get a
 at any price. The little water
 I bought off green for 10000, the water
 which is better than I had seen
 near on the cement of green. I had
 good as ever but melting away inside
 much for many details, will do for me right
 I had a few more in the water, but I
 in a little of the water. The glass is
 and better made within a couple of feet of the
 can, and from grade and full of glass. The
 kettle in which I received the formaldehyde
 in my pocket, but did not break, I had it
 in my state room on the side, keeping the

to be maintained, good water, but
 small, German place, but very clean
 and clean, 125 per day and good
 the view from the sea wall but I should
 say a mile at least from the little boats
 collecting grounds. The Brazilian
 steamer ship agent here will look after
 my boxes till I sail, but I find they are to
 come to the hotel and will be put in
 unboxed cases which I have seen but
 which would have any boxes, unboxed
 and so. I hope for the best but I find
 words. The man to whom I have a letter
 was not at the dock, nor did the
 ship agent know just where he lives, so
 I must see shall I to look him up, but
 I do go to see the Captain of the Port, if
 I can't manage to make the mountain trip
 I shall go around with the fishermen till the
 next 10 days or so. Then I am quite sure
 but I do not know the way and I do not
 know what the way is, but I
 shall, a number of the Brazilian people

the other one also has, but I expect to
 sail with his family, a small family, in
 one under one boat in a small boat, but
 the boat that we will have is a small one
 of course the boat is much in evidence
 just like the only one I have seen, as there
 is no boat that can carry the tonnage
 to sail, but there is a great deal
 of lumber stacked up here, and I expect
 the place looks more business like than
 Panama, because it is smaller and
 has just a few docks, if you were
 for Panama steamer. All these little
 towns, but so much alike, have a
 dock on the shore except for a few
 miles, but I have not been used to the
 a picture of them, because they are all
 so much alike, I expect the same
 I don't know what I am going to
 have tent or a place of the little
 things, but I have a few things
 I want to buy, and I have a few
 things, and I will go with
 I will go with me, I will go with
 I will go with me, I will go with

The day after the day before yesterday
 I did not mention I had made off to
 night people. The children are of course
 we walked about a mile or more
 to the German. He speaks no English
 a little German or some English, in fact
 more English than German, but I had
 the decision of a time not talking German
 German. as the children speak
 a German, as if they were to
 the children. I know. I wish
 the change of food, I know. I wish
 kind and gentle will be the best done
 also kindly will. This offer does for
 Santa so much as for German, and
 maybe some for the place.

Monday Oct 5 - 1925. I was
 pretty busy last night as I suffered
 which I will pass some time. I
 sleep tonight, but I am sure

The day after yesterday I was very
 busy and today in fact I was very
 busy to report my plans to the
 the Joint Commission de Ocurran, I think
 for the day. I think I should, the same
 for a young man at the, has studied
 in the States, at the same time, and
 since, I think has spent some time in
 Lexington, Kentucky, which is the
 main place in the U.S.A. He speaks
 English best ever, and would you have
 as I find it difficult to read to
 after nothing but German. I had
 a letter from the Captain of the
 and it turned the truck too much to be
 was to the Captain of the Post who
 my offered his men, to help collect the
 but I said one would do the same thing
 a whole day with leaving at 5 o'clock for the
 morning, and now the all night rain
 had to come out. I think in the first
 kind of a fellow, regular American type in
 manner though not really in the way, though

I got up at 10:30 and went to the
 camp to get some of the old
 things. The sand and lime
 are mixed the low-lying vegetation and
 are striking. But on the return trip, following
 the little mill stream with the help of
 the hill down there I got 2 fresh
 crabs, and quite a number of shrimp
 among which were one or two fairly
 large. I did not get at 2:30. I
 The trip was not too bad after all. I
 do not think I could have done
 that till just now as I see no
 myself. The check is gone till now
 I'd like to see it. I had a
 laugh to look.

Today I went with
 my rifle and a pack of
 powder to the R.R. station
 Port of Call. The rocks were

covered with a few
 things I could collect. I
 examined for the little crabs that
 they. I also got a few grasshoppers
 and two of these crabs, among
 which were one or two fairly
 large. I did not get at 2:30. I
 The trip was not too bad after all. I
 do not think I could have done
 that till just now as I see no
 myself. The check is gone till now
 I'd like to see it. I had a
 laugh to look.

I found a thing. The system is
 quite small very thin and not
 open. And after giving my attention
 I had put with my knife I was about
 ready to quit, when I saw below
 I shall do a nice pump range
 to be looked for female, and
 stranger eyes as I looked at the system
 I saw a very cool, light colored and
 most important, many the large
 eyes in the same system and saw the
 male. I could hardly believe the
 female was completely in eggs. We
 know that the males visit around but it
 the first time that I know the male
 with the egg bearing female. We don't
 know. Rather than have a heavy
 in her mouth but I have seen the whole
 I saw many but had to be
 done at once, but I was not
anger


now I should have been better. I
 as soon as I was determined to give
 tonight as when it was over. The
 did not I paid up - I had to
 I talked about for another night
 the system of the same. Well
 I could not get either out of the
 machine. Oh yes the second day
 went to the blacksmith today to get
 my power. He had a small
 So I got the better part of a
 making for him to finish it in
 time. It is the same. I was
 glad to go back to the old mill
 He had again to try to get some.

 Oct 8 Thursday 1875
 Can you bear me any
 still pursue me. After a
 he has been many days
 and was not and I was
1875

And because the downy wren was
 scarce we got off in time. At
 the mill we got one more and a
 number of blue shrimps but no
 more like the first time, in fact the
 children caught that one. It is
 an extreme wet for them but they return
 to me it. I prefer this kind. The
 nest is certainly good but the
 stream by no means so good and
 shallow. The nest was in a hole in
 mud. I also got a number of fish
 water fish and water butts. I found
 the Pacific a deersay. I like them
 I would not eat of them. (I am not)
 no the same water for the creek
 we found. As the beach we found
 no better than before. No doubt the
 rain that spoiled the early morning
 was due to some other cause.

most of the island and the reef with
 rocks & beach was terrific. Inside for
 a few shells & a few eggs for which
 I got several amphipods, coral, & other
 organisms, as a large brownish
 swimming-bird on the rocks. The large
 one by the way was very clean in
 look & almost to work himself on
 a rock. In my debris, I found a
 little pattern of brown thin in
 kind, from the I saw a shell of which
 I had a number. There was no system
 in the days collecting, so I could not
 map of the islands. I had a
 and opened her up, but did not find
 a thing. Still I am sure of the
 my bird, you are sure. I am sure
 I could have been caught in
 my early days from the day before
 because it would have been
 broken. No other shells to find.

106
Odell Zickler could tell me a lot about
Fritz Müller, that he would ever be a better
man for me to call upon than the pre-
sident. That Müller's house had
been sold and was in a very deplorable
condition. Zickler was a personal
friend of Müller's. That Odell's
son was still living there, & that Odell
juried himself a few weeks ago.
Odetrecht is the man who collected
the big one, Fritz Müller named after
him (*Dros. (i. intermedia)*). Bauer
said I should visit him in Curitiba
gave me a most urgent invitation, in
spite of my protestations said it was
the capital of the state, a fine town full
of Germans. But I don't go though.
I know he would show me a grand
time. He arrived in Rio Negro
half an hour late, 1.30 instead of 1.
As you might expect here in Brazil
a train, or rather a very rough one

107
passenger train. All along the line they are
the finest little, still not so small after all
brick stations, spick & span, with concrete
platforms on level with car floors, so you
can step right out on them. There is a
bell in each one ~~which~~ which the conductor
rings just before the train starts. I
think it's much better than our familiar
"All aboard" and certainly more striking
and emphatic. Words I fit German.
I can't begin to describe the vegetation
which I could. There is quite a change
from the lowland aspect. There was
one pine in the lowlands, I only saw
but one or two there, that you would
not forget having ever seen it. It
looked artificial, trained just the
way ~~at a corner~~ Very tall and with
a flat top, looking just like this sketch.  Up through the
mountain rather, in this it is the common

108, not counting stairs. At the end
Cecilia was there waiting for me, with
Heri forming. I had to make my way
pursue. Miss with difficulty that I
repaired from getting off a few games.
John forming you know means angry,
and the landlord (in now at hotel
forming) is a great big fat jovial
man, a la John Bunny. I don't
believe he could get angry if kicked.
Ready to please anywhere any time
in his job. It runs in the Universal
car. São Francisco has all of
eight, and proud of the fact. We have
there are more + some Chevrolet's. Forming
license tag is #50. I've seen with
but a small number in a long time
+ these they are not very high either.
The hotel like all of them down here
is big, old fashioned, brown like, but clean

109
freshly painted white bedrooms, clean
new linen, + the finest light electric
lights in any hotel in Brazil, but
none. It's a pleasure to sit under it.
The stairs in all these places are as
steep as ship's ladders and twice
as high. The rooms are so high on the
first floor that if they didn't make the
stairs steep they run all over creation.
But the floors are laid here, and the
tiled accommodations are just as
the rest. I haven't said much on this
score but that's the worst feature in
Brazil. Makes me think of the Irish-
man. The rich contractor, who could
get out of the habit of spilling on
his wife's pretty carpets. She bought
him a beautiful spilt-on floor, as
it's all, + still he continued to spill
on the floor; she asked him why.
Because the spilt-on was too high on

110 All night long they seem to think that
dark + dimly, found captured like
under the beds which are the places for
the water, etc. There are two beds to
go to them I have to go down stairs, though
the cell is ~~as~~ around the house to under
the beds which here is a sort of
stable yard, but at all is keeping with
the rest of the place.

Concini took me out fishing the same
afternoon that I landed here + though
I used the dip net manfully + he too
kicked in many a shunk + cut did
I turn up. Gads are sometimes found
in the deeper waters of the river. They are
hung there up on hooks + line. He did not see
any other way. The birds around about
do not know of any in the streams
nor do the inhabitants except for those
which caught with fishing tackle. It looks
as though I must pass ~~over~~.

111
Sunday Oct. 11, 3 or 4 miles going to
Lake Concini + out the morning at five.
But he ever slept himself. I did not
but not so long as he did. I washed
at five thirty but didn't know how
many may call I name Concini.
Thought they had gone but both were
sleeping. Got a chance to rest over
my yesterday's collections of insects
+ a few tiny gasteropods for Babcock!
So this morning I went out by my
self + tried along a tributary of the
Rio Negro on the far side of the river
from the hotel. We are in the State of
Paraná, and this stream is in the
State of Santa Catharina, the São
Francisco. The river separates the two
states at the point + and iron bridge
connects them. Only the bridge is kept
up by one state + half by the other, + what

Angora. The Santa Catharina half red + the Parana half black. I'm believing, but it's true. Got nothing but a few insects + a couple of Tomos Parana. They avoid for a few territes on the way back to the Hotel, but am not satisfied with what I got. Got several out of a sand & clay mound nearby, and later pulled up a few small stumps, but these only seemed to have a few numbers of eggs of a species known in the ground under the stumps. And that is the worst the ants seem to do for birds. Such or ^{will have} do the best he can with them if they are of any value at all.

After dinner Zornig took Linn + me into through the high ground where we fished several ditches that he said were flooded during high water in the river, + so might have shrubs or creeks in them. But no perfect

birds to be seen, a couple of insects + a few fish + tadpoles. He continued on to another tributary of the river to try there but got nothing except two little fish on hook + line. The stream has sandy mud + full of dead wood, no life to speak of did not see notice the schools of little fish that are so common in the main river. Back at the hotel, we were discussing the matter when a young Brazilian engineer with the R. R. volunteered that Castro was the place. That Ceylan + other ants were common in the streams there + that he would give me a letter to his father in law who could extend all manner of facilities to me. As soon as I can wind up here I shall go on to there as I had planned originally. Maybe day after tomorrow. The way we set a

traded fish traps with the river for crabs. I
 must wait to see the result of that -
 then too I want to interview some fishermen
 in getting some crustacean info as
 to the head. I heard too that the Franconian
 hermitage maintains a little museum
 and I do want to visit it. Museum
 are part of my self appointment lists while
 in S. G.

I had hoped to mail this here now
 but it's my first chance to do so
 Monday a.m. when the post office
 opens so there must be on the road
 in the mail train as the envelope gets
 sealed tonight.

Monday Oct. 12, 1925 - Such was
 with us this morning. We found three
Cyprina in the trap, fine big specimens
 that gave me a chance to examine
 them, and one was a female with
 young attached to the siphon. They
 let go in the dish, that's how I missed
 them. I do not believe we have any
 babies of the species in our collection.
 And then a lot of gill parasites
 dropped off too *Tremnocephalids*
 also rare in collections. But the
Cyprina is the more common one not
 the one I particularly want. Still
 the record of its occurrence here is
 worth something.

This town is a regular frontier
 town. Shows of mules go by
 occasionally with S A. & dogs?

is rare for Brazil and one that has
 something new. Insects are kept
 both in ant nests in particular. I
 think the person has taken I suppose
 nearly a ~~hundred~~ new species of *Formica*
 genera + species. They are being
 worked up by the Reichenow
 and among his treasured pictures he
 had a group shot of us 10 or 12
 men of the Zoo sitting with Reichenow
 people. Somebody ought to mention it
 to him. Reichenow send it to him.
 He has also a wonderful collection of
 beetles so much so that I am almost
 tempted to stop hunting crustacea and
 go after insects. He I think has
 tempted. Witt will surely be a
 gold mine if we can get him started.
 I've promised him a representative

set of common crustacea illustrating
 different groups. He has practically nothing
 in the live cages, but of his little boxes
 he has shrimps. What I shall send
 him when I get back to work will
 surely break the ice in a most favorable
 way I'm sure. They haven't searched
 the zoological surface of South America
 yet in spite of all that has been done
 and it surely behooves us to build for
 the future by interesting all the crabs &
 we can. The College is but three
 years old, a magnificent huge
 building, broad roads and having
 an entire German kitchen food a
 bunch of a Franciscan monastery
 and Blumenau (they're in German
 class here, even a lot of 1st Gen. generation
 Brazilians (kids) who speak no German.

Tuesday Oct. 13

The fish trap this morning had had one
 Cigona, and a small fish, but no
 gold. On the way back I picked things
 a few and next to that about half
 your life to stir them up. Little little
 me the way he gets so much in to
 sweep the entire nest into a huge
 bag and carry it back to the hole
 where it can be sorted over at leisure
 after the animals have been gassed.
 That's how he has gotten so much
 wonderful stuff. But late, one other
 one a plenty, I would not want to get
 covered with them. Well I got pretty
 but a few liters, and can't take the
 time to take them and gass them. Little
 has promised to help me with tonight
 does not tell me the species that
 he holds in the bird's nest. He had seen
 here. Suddenly said the same.

This afternoon I did some straight
 up preparation to going to Cavatica
 on the way to Carter. I hope to pull
 out tomorrow morning if everything goes
 well. Kind would you believe it
 the first real rain since I've been
 started in this afternoon. You see I'm
 getting ready to leave again. So
 though between 7 and 8, I had to
 stand around in the rain for an hour
 while a fisherman was going over the
 rapids here in the river, with a casting
 net. Got some very peculiar fishes
 which might be common for all I know
 but not knowing I'm saving them. Yes
 one Cigona came along too. The man
 said in a warmer night he could
 do better, and hoped that I'd stay
 till tomorrow evening. The fish-pot
 was again, so I'll just see what
 the things are in the a.m. The hotel is

122 led to the R.R. + for the first time this
morning could get with me though I
did, yes in the rain.

Wednesday Oct 14. Still raining.
Spent all morning trying to get some
firewood, but without success, as
had a very narrow hole dug out
telegraph to Curitiba for me to have
2 letters (1 lit. each) send to me at
the R.R. Station at Curitiba. Hope
it gets through otherwise I'll be up
to the north my life.

Met a very nice Brazilian at the
Hotel Curitiba Curitiba who is in the
lumber business. He's going to
Curitiba, and speaks quite a bit
of German. However he left at one
of Curitiba and will meet my
train at ~~Curitiba~~ Curitiba.
Yes it is now a 4 am ride.

123
Thursday Oct 15-1925
The worst of it
was last night. Curiani insisted on the
morning my last night. Thank goodness
I was all packed, — and a cup of
chocolate afterwards, they make it
so thick that you'd think a spoon
would stand up in it. Made the
train, after a few words, rise some
+ black coffee. After I got to
the station I learned for the bus
driver that I had to change cars at
Serinha; for once there wasn't a
German speaking person on the train
and I had to brush up my few words
of Portuguese. I got lay alright and
was settled after the change of cars at
Serinha before I found Curiani, changed
again into his car. He put me in
an auto at this end, + told me he'd

at the R. Rd at 3³⁰ (and at 4⁰⁰)
 to the det. He with me up we got
 here about 3³⁰ and I tried to get
 40 miles before he should come. The
 trip was a wonder all mountain
 climbing road and road and road
 not so steep and high to look at
 but big rounded grass covered hills
 so broad as to with gentle slopes
 the didn't look anything more than
 big hills. The largest place on the
 line is Punta Gorda a great
 lumbering center, a rather new mill
 center the logs being brought in from
 some miles away. Just before we
 got to Punta Gorda we passed
 some Indian ruins, which Lincoln
 said were very ancient, or even pre-
 historic. Things like that tempt me
 to stop over in a place, but I must pass

There is a big range of hills or mountains
 between Punta Gorda and Castro, the
 latter sits on a hill of its own in the
 center of a magnificent, yet beautiful
 basin like valley in the mountains
 lots of water, streams. An ancient
 appearing down older looking than Richey,
 but cleaner & much larger. The
 hotel is quite old, but the roof is clean
 and there is no near better garden
 house back in the yard, much more
 preferable than the other places in our
 way. The meals are good and old
 German lady, a widow, runs the
 place and does the cooking. There are
 just five of us at the table, Her nephew
 lives here, nice fellow who speaks practically
 no German, plays the clarinet, was a big
 music & dancing when I arrived.

Quinn was good as his word & we
 went down to the hotel for the hotel to the

had with two of his little nephews
 whom he brought along, as they began
 when they got the small "big" (bird)
 there was enough the space between the stones
 right by the river bank. He and the
 two boys in your own home, feeding with
 much of a good growth covering the rocks
 a rather large stream compared with the
 rushing mountain torrent I had pictured
 them living in. Just before we
 we got eight or ten smallish ones
 but we were carrying young as we
 got a real to compare with those from
 the big ones, as I also got a small flycatcher.

Tomorrow after supper we put out a
 fish pot like at Rio Negro, here only
 for the morning which will tell if we get any
 big ones or not. I want them for other notes.
 There follows then a whole bunch of birds
 seen at open blacky places, before, with
 some of the birds, but they are the right place to
 introduce them to the mountain.

Chila, Dec 16, - 25
 Castro. KL 56960
 Alt. 985, 810

Supper I should
 have a good more enthusiasm about
 finding big ones, but yesterday
 I was tickled to death, but I could
 catch any large ones. There I am
 very anxious to have, either they are
 the other species which for my biological
 material seems to reach good size
 the intermedia gets just as big. It
 appeared five miles for a large one
 The fishermen tell me they all buy
 them up on the line occasionally but
 as far more has come up while I've
 been here. I guess I've got about
 3 days of the big ones, and all I'm
 trying for now is a couple of large ones
 like the big fish baskets, but only
 small returns. I'm having a small
 fish pot made that I can carry
 around with me. It will come whether

the place. The Center though
 considerably longer than Rio Negro
 is more steep. There seems to be
 no business done and no men
 never seen to come here. It is not
 even given as one of the minor places
 in my Commercial Directory guide.
 There is a station on the R.R. station is
 about 3/4 mile or more from the town
 across some well known bridge,
 and a small stream where it
 should have passed the town on the
 other side due to the natural con-
 figuration of the surrounding hills.
 Station, some of them had their
 poor land for sale, and they to the
 bottom on the far side of it would
 cross the land well it hasn't
 so far as some distance away, and
 in the main street, and has two rows of

buildings in the middle and the
 other on one side and. My hotel is
 very old, + run by the widow of the
 former proprietor. The room is small
 but clean, and looks a low looking
 place under a porch roof. For the first
 time I noticed the beautiful sunset.
 The moon is peaking to the west by the
 last two nights have been gorgeous +
 I see them right out of my window
 which faces westward. There are
 of them black ^{Spanish} ~~black~~ monkey
 pastured in the back yard. The hen makes
 me think of myself. There are also about
 over the yard. She means me say good
 how but but the funny descent we got
 out for my own American. (April 12)
 I went out after
 Taylor again this a.m. because I want
 all I can get in the time I'm waiting for
 the boys come, or trying to get them.

Saturday Oct 17 The fish-kill yielded a *Thalassidroma*, quite a few *Amphispiza bilineata* specimens than I have seen certain specimens together. Spent all morning in the river and got about 2 dozen more of the *Ceryle* all sizes, but not very large ones. I would like to get some *Merula* but I've been promised an auto trip to another river, somewhat away where they say there are lots of large crabs like *Ceryle* and other crustaceans? (said the American) I've been promised here has promised me a trip Monday to rapids of small extent in the same river, but further down. Both trips are contingent upon good weather as the roads are bad. I was unable to fish during the afternoon as we walked upon the mountains who had been to see me while I was

in the river. Actually the way is called Iago. The name is some *Thalassidroma* weather. Family in the mountains. The weather is getting threatening again because they are getting ready to pull out. The movie for the purpose of taking the *Thalassidroma* had helped me collect, and so I went to the first one. The first was in the old type comedies where the *Thalassidroma* fellow marries the county girl, who is being forced to marry the other because he has lent the *Thalassidroma* money to pay a small gage, or something of the sort. Another comedy, there were some *Thalassidroma* parts. Then they gave us about 4 more reels of a serial; the first two installments of "Samson of the circus" and the next dramatic. Have you heard of that? It was for pieces of money, but the serial they played the same public reference for the entire week. There were two *Thalassidroma* serials with the entire *Thalassidroma* serials.

I was told that the *Thalassidroma* serials were very popular.

the other kind is in the still water, for
 the two kinds of sediment collect which
 seems determined to be well being
 kind sandy bottom under the rocks is a
 piece requisite, for the animal help
 known by them, sometimes entering the
 surface showing. It seems to have
 a special purpose examined in the sand
 under the rocks under which it lives in
 most cases. But when the rocks are
 stacked or heaped together from natural
 position the fish does not seem to
 be found. In some few cases the animal
 lives in crevices in the rocks along side of
 the stream bed or banks. Of course
 it is often only the smaller animals
 that live here. They tell me live in crevices
 in the deeper water, and some say in the sand
 but I would like to know more. They do not
 feed here but the large ones are usually
 found in the summer time & that
 spring are little & only for them.

The kind of success in securing was seen
 to show the cut, neither more, nor just yet
 coming on. But I got large ones &
 the other species in Rio Negro - I got
 Byington's on intermediate, I find the ones
 Rio Negro may be species of the stream
 the other both, Grandstand dam in
 the same main stream, but they
 may be of no moment because they
 do not naturally run into the Rio Negro
 the Rio Negro by way of the Eguay river
 the former falls with the other to the north
 by way of Pagan's anemone. The falls
 should be cut affected because partly of
 the land yielded in all times. But the
 strange thing is that further north again
 where I party killed specimens of one
 from the water down to the Rio Uruguay
 a party in the Eguay river, while still
 further south in reported large I believe
 has only been able to secure up La Plata

From the main river to the German
 it is in the end there was the German
 standing near above. The field is not
 there from the end of the field to the
 did of the the German to be from the
 in of course, you are with the
 found by the same high water
 21, which is 3-4 feet deep. The
 but downed high here for a bit of
 direction + for a bit of a way.

you I got some fresh water of my off
 the water too. It is more valuable
 than all the rest of the material you
 there is a stage of about 1000 ft. high
 of the water. Smith will make

Monday Oct 19

I can't get away from here till Wednesday
 noon (P.M.) at a train over the day to
 Rio Negro from here. This is a
 glad to see the German sailing, but
 keep on to work. But here for me
 in the end make the trip to Blumenau with me

The afternoon, after getting yesterday
 stuff straightened up in the room a
 little after the midday-irradiation for
 the trip to rapids near the place, it 20-
 30 minutes water is near, but you
 might know, am getting ready to
 move on and into the day to get having
 the rapids no doubt was a good catch
 ground but we got the 1st + 2nd.
 It was almost too dark to see though
 the water is almost quite a bit, so
 that we got pretty well damped.
 through the midday had asked
 me to suffer too. I changed clothes
 at this place as was dry + fresh
 for suffer. Say but these roads
 are terrible when wet. We had
 to put on chains and even at that
 I had to get out as practically
 all the hills, and one all of a
 jump out. These old dry dusty

one regular old Virginia red
 they are, thick + slipping, as usual
 + that you can hardly walk + pass
 + way you stay home. The little exper
 explained the heavy brick plants. I
 had thought they must have had a
 fault of low quality of brick, judging by
 the dusty road dust + ^{crust} soil in the
 pots. Which they got ^{from} ^{the} ^{where} ^{with}
 But then again my first while out
 on the country roads was an eye opener.
 Here at Castro at least the whole
 side is potential brick material. We
 had some nasty streaks going back
 but landed OK and went on towards
 the change for supper. Regular
 U.S.A. dinner for the first time +
 P.I.E. for dessert. I don't believe
 I had ever had mudkiff enough
 but still chop them a time or so.
 It was a pleasant surprise to you

found that one of the prince of Spain ^{has}
 there turning out minerals the best
 in Germany too + studied there. Got
 a travelling school out of college.
 Very fine young man with four children.
 Had 11 of Spain in 12, by I + you got
 2 or 3. Spain + Spain Spain Spain
 Just another about the American babies
 as compared with most of the children
 were around, of course, the country
 of the prince Spain but Spain Spain
 being Spain Spain Spain Spain
 the mother Spain Spain Spain
Spain Spain Spain Spain Spain
 had Spain Spain Spain Spain Spain
 well Spain Spain Spain Spain Spain
 if Spain Spain Spain Spain Spain
Spain Spain Spain Spain Spain
Spain Spain Spain Spain Spain
 all night Spain Spain Spain Spain

Tuesday 20 - had underfoot but
 not much, just drizzle & cloudy till
 a m. Collected 2-3 dozen more of
 the blue glass, got a few fine bangles
 but still only half the size of what
 they tell me I should find. Still
 they acknowledge they are pure gold
 one left a jar of formalin for me
 in case it comes up after
 you. Young Busch, not Busch
 in a letter, came and got in
 today & promised to send me a
 bank note. I had a few pictures
 but it was terribly overcast & dark
 & a few drops of rain spoiled
 my hills of the water in some.

Just my boots at noon my
 largest gold in bag fell out. See
 how I was spread. leaving paper
 & having them happen how I had

planned with midday. ~~now~~
 call on a Mr. Sory, I mean father
 I had a letter, in the afternoon just
 to deliver it & pay my respects.
 But about the time I expected him I
 got a note that he was sick in bed
 so I could not see him for a while &
 then I persuaded my landlady to
 take me to his den. He is a
 Brazilian, very nice, though a long stay
 man. (He is better than the German
 located in town) He put the riding
 we fixed me up for a fine shot order,
 took me the father's time for me on
 the bank, down next day & they
 didn't want to change anything,
 as a favor to the landlady who is
 a friend of his. I did leave
 10 B. 500, which is 3/4 of a dollar
 that service was cheap & a sample
 was substituted in it. On the way back to

150 Auto with Busch + Nickel
 Day at Iapo rapids

209	Werner Nickel collect	8 1/25
210	"do looking up	8 1/10
11	1+2 didn't have Nos + one of 1, 2 or 3 was not solid by photo	8 1/25
12	Full with Busch + Betista	11 1/5
13	Flags of Iapo	8 1/25
14	Another view	8 1/25
15	Sound of Aunt	8 1/25
16	Yours truly trying to get in picture	8 1/10
17	Success of above	8 1/10
18	Group at midship	11 1/5
19	Don mill little water	11 1/2
220	Amha's nephew	8 1/10
1	View down stream	11 1/5
2	ditto take over slide	11 1/5
3	Hotel visitor Center	8 1/10
4	dull dark drizzle in street	8 1/25
5	ditto think I pulled slide	8 1/25
6	Fish basket	F 8
7	very dull cloudy on porch	4 5/5
8	Hotel central bridge	F 16
9	ditto same relation	16
230	Fritz M. home view from outside	16 1/5
1	ditto	22 1/2
2	Garden dark and little view	11-1/2 sec.
3	Garden from gate	F.M. 16-2 sec.
4	River from back fence	F.M. 8 1/10
5	From Road	8 1/5
6	grave in rain	8 1/10
7	dr. at 25 rain	8 1/2
8	Dead stone	22, 3 sec.
9	hircasape F.M.	F 11
240	Direct mirror	F 11
1	Hotel grass beds	8 1/10
2	F.M. pump	8 1/10

243	Gard from pump	11 1/10
4	Orchard	11 1/10
5	F.M. Hard work under + all	11 1/10
6	ditto	11 1/10
7	Full view of stream	8 1/10
8	Parazuray's side	11 1/2
9	"	11 1/5
250	1st Gebia hills 7 a.m.	22/10 sec
2	ditto	1 min
3	ditto	30 sec.
4	"	6 sec.
5	"	15 sec.
6	"	5 sec.
7	Oloocera	8 1/10
8	"	"
9	"	5.6 1/25
260	"	8 1/10
1	"	8 1/10
2	"	11 1/5
3	"	8 1/10
4	"	8 1/10
5	"	11 1/5
6	"	11 1/2
7	in shade of trees 7:30	22 1/5 sec.
8	sun peeking in trees 8:00	22 1/5 sec.
9	Gebia house	"
270	Blank	22 1/5
1	Gebia house	22 1/5
2	showing mud wall	22 1/5
3	brick up piece	"
4	top of 2nd story	"
5	underneath 2nd story	3 1/2
6	"	4 1/5
7	jump Oliva outside	F. 4.5:150
8	ditto	4 1/25
9	Schmitt in shade of trees	11 1/10
280	ditto outside in shade of trees	11 1/10

1/2 = 75	year old hills had 800 morgen of	
101	Suedewalt + at Museu Paulista inside; sunny	8 3 sec.
2	" " " " " "	4.5 1"
3	Blank	"
104	Buluntan N.G. too faint. very cloudy day	5 1/6 1/10
5	" " " " " "	5.6 1/10
106	Swamp #5 car south of Santos	11. 1/25
107	young man at consulate. Bright sun a pair?	16 1/10
108	ditto (ditto seen to just (mud pine))	8 1/25
109	Photographer lost of Boaz?	8 1/25
110	Boaz day of 106.	8 1/23
111	Launch day of early for São Sebast. early	5.6 1/25
112	Same set at infinity (men had to get from)	5.6 1/10
113	Launch from Nova America	5.6 1/25
114	Betioya Very dull early 5 p.m.	16; 15 sec.
115	Same	16; 5 sec.
116	Betioya	22; 15 sec
117	"	22 15"
118	" on launch of Betioya very dull. at sun better.	22 10 sec.
119	5.40 a.m. first shot, São Sebast	11 1/25
120	São Sebast. landy launch early in shadow	11 1/25
121	Catt Nova Area. had white smoke on all day long	8 1/25
122	Convent of under launch rail	16 1/25
123	Villa Bella from distance	11 1/25
124	" " close up. too dark	11 1/25
125	Suedewalt at ship stream	5.6 1/5
126	Creek	8 1/10
127	same view as 126 is best of 2.	11 1/5
8	ship stream	no time given but too faint
9	Blank	11 1/5
130	same view good view time?	11 1/5
1	stay beach tide nearly all over it	11 1/25 in height
2	distur view São Sebast. tower	22 1/5
3	Fisherman with boats + nets seen from F 11	1/5
4	" Boat under shed, to show detail in side	+ 22 1 sec. looks good.
5	Catt. missing right time? but only lighted	11 1/2
6	ditto	11 1/2

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