Field notebook, Cape Breton, Nova Scotia, 1901

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Monday, June 3rd, 1901

Commenced work on east bank of Barrow's River, east of Bridgwater. It is 1 mile south of road from Bridgwater to Upper Lake Creek, Cockington. Exposure of about 200 ft of Upper Cambrian shales along the river bank. Strike N 25° W, Dip 3° 5', Collected 160 shale samples.

Red No. 1 on diagram.

June 9th. One of Dr. Mathews located on small branch of Barrow's River on the east side of 1 mile north of Bridgwater road. Estimated at least 200 ft. Lower than No. 1. Collected 200 specimens. The specimen sent for Titanic last winter on a ship from this locality. This No. 2, on diagram.
Wednesday, June 5.

On James's request as yesterday, No. 2.
Collected 163 shells and one fair Ptilobita.

Just at night found a bedding Judith, worth on the same East Branch, a little north and about lower, dark, black shells carrying very small shells of a few Ptilobita.

February 6. - Washed the locality from last night. Found shells not seen before. Also found a few good Ptilobita. Had to change the course of the river in order to get at the shells which lay in the bend of the river. Collected in all 157 specimens. This locality not worked by Mr. Biggs, as it is 22 ft. lower than No. 2.
Friday, June 9th

Found still another seagreen on East Branch. 75 ft. longer than No. 6. Some bluish gray shells. These also on the bed of the brook. Had to do extensive digging to divert the course of the water.

Still paid by finding good tillite. Collected 32 of these. Some of them fine and also collected 75 shells. Life and strike continues about the same thus far.

This locality not worked by Matthews.

No. 4

Diagram on next page.
Saturday, June 8th

Worked today on same locality as yesterday. A very fine locality. Found over 50 good specimens of the trilobites and nearly 10 shells. See all 130 specimens.

This is bed No. 4 on diagram.
Monday, June 13th.

Reached along the east bank of Precious River to the N. Turned the formation and found a few shells at No. 6 on the digger about 1 mile from the Boidale road. About 2 o'clock.

In the afternoon located Boidale and shells on the east bank of Precious R. about the Branch. This is No. 6 on digger one and the dig appeared to carry this bedding below the 4 levels at No. 4. On the east branch, Level 13 seemed to offer shell's.
Tuesday June 11th.

In morning worked on bedding No. 1 on East Branch. Examined the locality by moon. Got 34 oper. shells of Libitita.

Afternoon. Located fossils on East Branch 25 ft. lower than No. 2. Small Libitita heads of tails and few small shells collected 87 oper. This No. 2 ½.
Wednesday, January 12th.

In forenoon worked Horizon No. 6 on West Bank of Branchol R. A narrow strip of meadows lies between the high cliff of shale and the river. This bank belongs to Mr. White. Around heads of cliffs of trilobite - 100(?) fossils in all.

In afternoon opened another horizon about 50 ft. below No. 6. Here bedding only a short distance south of the Brookdale Road, got 150(?) shells and 7 trilobites. This No. 7 on diagram.
Thursday June 18

In morning worked on No. 1, which was worked on June 6. Second 220 shales. Stopped.
Afternoon searched rivers on shores of Barachois River without success.

Found indications of coal on East Bank of Barachois River 30 yards from No. 2. Shall work this locality tomorrow. Will be No. 8 on diagram.
Friday, June 14th

Washed the new bed found last night.

Iridescent Abundant of some shells

Vacated all 140 ft. ground, mostly drab

Quite a number really present.

The bed has a good promising will work it thoroughly.

About 500 shells on the East beach.

Came over the top of the Cliff above the land came down and ordered us off at noon, but succeeded on pacifying them by giving them $2 for privilege of working. The owner, Mr. Mullen, says there was an understanding with them.
Saturday June 15th

Searched down Baracho's Glen toward Baracho's farm. Some ground gone over last year. Found one bedding lower than the one worked last year. Not so tall, then went up the glen to the ravine worked last year and collected 90 shells.
Monday June 19th.

Worked on locality or horizon No. 5 on Barachois River. The fault locality got opened. Got 12 good specimens of all Tribolites, shells [illegible]. Some things not seen before. Must have decent nearly 1/2 the of Trilobites of two or three different species of them estimated one.

June 15th can be used as great day. Got 172 good pieces, mostly Trilobites of a pair from shells.
Wedns. June 19

One No 8 today

Shall follow up the bedding. Got 17.5 yrs. some very complete spirals, but not as good as yesterday. Found today four guppies and I could

some very peculiar forms with which I am not familiar.

Whole number 1 species

Start June 13th to date 2 269.
June 20

Still working No. 5. Working deep into the bluff on third shale. 35' maximum today. Several whole dicobolus and very fine ones too. Also five plecthrum and a number of the peculiare forms found yesterday. This locality a famous one.
Friday June 21st. Collected 150 ft. of 10 white trilobites. Most of the specimens trilobites and few heads of tallia.

Saturday June 22nd.
Worry to record that No. 7 costa 430 yards today. I got 150 ft. of 3 white trilobites. About 50 ft. found a few fragments of trilobites and some small shells 15 to 20 numbers. In all today 121 feet.
This last locality No. 9
Monday June 24th

Arrived to day but went about 2 miles down Figaro's River 3 miles from Barachois where I worked last year. Worked under an umbrella. Found shells very abundant and similar to those in No. 1 and Barachois Point. Worked under difficulty on account of the weather but secured 5 or 6 small shells, many of them very fair.

Have collected & recorded to date 2,974 shells.
Tuesday June 25th

Very wet day. As usual.

Labels in bundles for the
17th page are extent on the label
for 16th page — should be 17th day.
Weds., June 26

Worked today in same ve Breech's Glen same as on Monday. Collected 200 shells. Found 200 ft higher n a forest carrying B. uncinata. Collected 3 ft wild at night. May work there again.
Thus June 27. Went towards the head of Bashachin Now 2 miles S of Bridgely road. Found several outcrops of dark shale, chert and an upper Cambrian sandstone. Along the river on high cliffs at one point a mile N. of the bridge on the B&W farm road collected 100 shells and a few Dietyomma.

June 28. Collected 100 shells on cliff on Bashachin. Also 15 miles from Bashachin after 1 mile from Bashachin a new locality on east side of the town close to the Upper Lewis Park. Mountain on John Morrison’s land. Also collected 50 pieces of Dietyomma 3 miles from Bashachin south east of above locality.
Sat, June 29th

On what I understood Mathew & all Othommin at Barachyr. Unable to find any fossils at the point as designated. On the shell of the lake opposite that point I found two bands of hard calcareous rock in the shales showing many fragments of shells. Obtained rice for breakfast small quantity shells & glasses.

This is North of Railway Station near deep cut on the way to Georges River 1 mile north of this station.
Monday, July 1

Went to Barachois again and searched the Stenommin again but could not find any of Matthew fossils. Collected 20 specimens of the Cephalopod fossils on the moraines worked Saturday and represented in Bignon preparations.

July 12 Dr. Matthew states today that he has no Stenommin at Barachois. Says that it was a "slip of his tongue" when he said Stenommin.
July 2nd. Broke 12 miles to the Adams shale in East Bay Sec. 1. Got there at noon and we walked round and looked with John McAdams. After dinner went to the shore and found mares of shells coming down another 3 or 4 ft. in the water. Expended some shells along the shore and found several more or sp disobarging shells. Collected 30 specimens from 10 of the chalcopy.
Wednesday July 3rd.

Collecting from all the bedding on the Adam Shore.
125 pesos in all. Very good.
This Matthew says is El Chechenian.

July 12 - Missisquoi

[Sketch of a bridge and river with labels:
- Dark Shells
- Very Small Shells
- 202 feet below #1 found small shells in Finchish gray shale.]

Here, July 12. 1891

E. Chechenian

Fired Mr. Adam to carry us to the Indian River localities 4 miles from Mr. Adam's hole. Took specimen shells along Indian River as far as the bridge at foot of Mr. Philip's Hill. Climbed Mr. Philip's Hill and fired Vincent McNeil to show the way to the fossil bed marked by Dr. Mathew on Dingal Brook c. mile N. of Mr. Philip's hole. This brook runs into El Chechenian River just below the hill collected 95 fine shells, No. 1 in Dingal. On a slight rise a few feet there found several small shells in No. 2. In No. 3 very fine small Shells, July 12 Matthew says this is El Chechenian. 200 yards below the hole found a thin bed of Finchish grey shells with scorpius ray collected all 27 after.
Friday July 5th

In afternoon my Wife took us to a small brook on left side of the road on the hill leading above the terrace where we found several species of brachiopods, collected 126 specimens here.

In the afternoon worked on the north bank and collected a few shells. Evening put at night went down to the Bennett and collected 46 of the beautiful shells on the red colored shale just outside but mostly on blackish.

No. 11

199 on all.

All collected & dated July 4, 1907.
Saturday, July 6th

Neil Johnson came for me from Applesitch Creek. Got back there about noon. In the afternoon finished roping up calves and placed bagged tools to go to Wolfe Sidney #7 Monday.
Monday, July 8th, 1902

Left home at 6 A.M. to W. Sydney, 5 miles, by car. Arrived at office at 10 A.M.

Wednesday, July 9th, 1902

In the afternoon, left office at 5 P.M. and arrived at W. Sydney at 7 P.M. by train. Stayed overnight at W. Sydney at the Hotel.

Thursday, July 10th, 1902

Set out for T. Sydney, via K. Bridge and T. Bridge on the railway. Arrived at W. Sydney at 10 A.M. by train. Stayed overnight at W. Sydney at the Hotel.
Wednesday, July 16th

Worked on the Abadrius Brook till 1 o'clock. Raining a little and bushes to cut. Went over to the Kamal Ravine. Worked awhile on No. 3 of last year's diagram. No success.

At 2 P.M. found a new outcrop of fossils on the east side of the river on the high bank. Abundant numbers and finely preserved. Near only the top of No. 3. Collected 125 fine specimens. Bedding No. 5 of Diagram on next page. July 1901.
One page to all the beds of the section are represented as measured from the base.

Summit
McLain's Bank
Breaden
Black shales 1900
White beds
Lip of section
No. 1 1900

No. 2 1901

Science covered
H.科技 1901

80 feet in the cliff.

Thursday July 11
Collected 48 shells all the same as yesterday. In afternoon found another fossil being stated at No. 2. Two small long shelled bivalves. Collected 43 specimens. Shell 4th and 6th.

Said to be 164 feet. 56 feet. Lower beds. 25.

Back to North.
Friday, July 12th 1929

Worked on No. 6 collected 150 year.
Dr. Mathew came at noon.
Afternoon are going over the ream section.

Asked him to go to the drums back
but he told that he could not.
And he had no time to do so.
Saturday, July 12 19

Worked part of the afternoon on No. 56 specimen very fine, took out 50 more. Found a bedding 30 ft. higher having a few large shells, far 20 ft. after that and a few small shells. Could find one more 1/2 mile West of No. 2 in 18 ft. deep and began excavating there. Found the jetty bowl, shell work it on Monday. No 2 is the Paradives \textsc{feet}.}
Monday, July 16, 1904

Working on No. 2 Paradosteide zone. Collected 100 shells (fragments of Paradosteide).

Tuesday, July 16
Made fine collection of 125 specimens on No. 2 Paradosteide zone. Good material from Bay rings. The form fine. Best shells yet found on this bedding. S. 437 to date.
Wednesday July 17

Hot morning. Packed breakfast at 6 a.m.

Afternoon went on No. 2 Mechanic's head

and got 65 feet. Firing Analysis of

Large Shells of fragments of Madarwil
Thursday July 1 745
Went to site about Brook locality 4 miles east of Marion Bridge, on Matilija River. Found exposures along the Scavenger road for 21 miles of Etchamendy slate in greenish blue slaty or thin bedded or small thickness of red and greenish blue greenish shale. The section is about half a mile wide, with base on McFinnis lake with summit toward Fort Rock. Mining hard all day but attempts failed to find any signs of fossils. Shall go there again. Noarkound of pleasant.

Matthew says this is the best outcrop of Etchamendy we have ever found but states that he has no fossils from there.
Friday, July 18th

Every indication of a rainy day, thought not.

Went to the locality, wrote yesterday.

According to the measurement of bedding, found two new outcrops of fossils above the fork of the small gulch, and the brook. The first one is about 50 ft. lower than the No. 7 of 1976, and the second one is about the same depth. The fossils are found in the bed of the stream, 15 miles up the gulch. A good deal of fossil material is found at the top carrying a very small amount of the bones and smaller pieces. Below this rich source are several species of Dickinsonia, collected 150 specimens. Some of them might bear another layer of fossils. If it were an

fossil bed, it would be a treasure trove of information.
Saturday July 20th.

Worked in morning on the larger bed of fossils found yesterday. This is No. 9 Rand. This about 60 ft. above the large 15 ft. Band of Limestone. Fossils not very numerous but fairly preserved. Seemed 60 species of Bryozoans, brachiopods, and foraminifers. Followed the present to its mouth on a bearing to the N.W., where it entirely disappears as a brook. The whole length of the brook is about 12 miles.

And at night discovered an outcrop of fossils in the short pitch running to the salt pit about 1 mile. This No. 10 and near 8 new beds of fossils discovered in the lovely sand and gravel.

July 20, 1901.
Monday 22nd
Wet in forenoon. Picked grass &
crane letters.
Aft. Went on McCall's Creek
Washed the rafters on the yolk. Found but
from the brook found Saturday night. old stones
about 30 yrs.

Tuesday 23rd. Went again to Mathias & Chamber
at Fort creek. Found one fossils.
On way home stopped at Morris's creek
and collected a few of the relics found there
last year. 12.40.
Wednesday Feb. 24

UNITED STATES GEOLOGICAL SURVEY.

SURVEY OF THE

No. Name: 

LOCALITY: 
Guth leading from Mammon's Creek

Collector: A. Ward, sper

Date: July 23, 1901

Note Book: Page: 36.
UNITED STATES GEOLOGICAL SURVEY.

SURVEY OF THE

31 of 1900

In charge.

No. Name:

LOCALITY: McCann's Brook, Marion Bridge Cape Stetson (No. 1 of 1900 Keycrops)

Collector: S. Ward Loper

Date: July 24, 1901

Note Book: 1

Page: 37

Memoranda:
UNITED STATES GEOLOGICAL SURVEY.

SURVEY OF THE

LOCALITY: GULCH LEADING FROM MEDALIST BROOK TO THE N. BALT.

Collector: [Signature]

Date: July 22, 1901

Memoranda:

Note Book: 1

Page: 36
Wednesday July 24
In afternoon working on MacCrimmon's book as usual founds editing
afternoon on No. 1 on MacCrimmon book found about 100 of the small shells
Broke south 13 miles as far as Jackson by way of the French road. Coming back on the Big Ridge road. Found just outside of the Blackawtan Lake. End of the Nattle Swamp. Greenhouse cabin. Especially on Big Ridge 6 miles south of Marion Bridge. No fortills to be found.
Friday July 26
On Mckell Brook one mile east of Great Bridge on the railroad track.
Two stumps this served last year.

Sat. July 27: Measuring up the bed of Mckell and Brook.
Measurements on next page.

Refer also to diagram of notch, page 25.
Monday July 29th

Packing up Baggage and Specimens and getting ready to go to Sydney.
Wednesday, July 30th.
Rory McDonald carried self
5 boxes of specimens of Baggage to
Sydney. Afternoon helped loading
on Steamer Garmonite.
Wednesday July 31st
Very Stormy Day
Friday Aug. 2nd.

Went on Crippe Cambrian beds in Barachois Glen. Searched ledges near'ty Barachois. Returned to cliff on east side of Glen on John Franklin Land. 1 mile from Barachois worked June 28 collected 125 white fossils & a few Dicyonids.
First Saturday Aug 8th
Went up to No. 8 on Barachois River - Pandorididae zone and collected 80 specimens
Monday Aug. 5—"6
Murdock Johnson carried me to Mr. Pheas' for Indian River in the afternoon. Founton very stormy. Got to the Pheas' at sundown. Carried our provisions with us and lodged in the Pheas' house. Suck sugar good of glory.
to match labels

ship to 50

Monday Aug. 6th

sent McBlie to work with me at 100 p.m. day.

went to Sturgies Brook and followed the creek

from Timpanem down to the falls. Collected a few

beach pebbles above the falls. Collected on 1 2 3

(5?) specimens. found in no. 1 some good Byrophytes,

followed the brook to Sandan on truing the beddings

according to diagram.

Collected a few Ligulas in

dark sand on old quarry above the fish house.

all 167
Diagram of Dougal Brook Section on separate sheet delivered to Mr. Wakcott.

Wednesday Aug. 7th

On Wickwar Brook, bailed at our previous spot by Mr. Pelig (Griggs). According to Walter Atwo to (name now erased) all the beds and noted lithological characteristics according to diagram and collected in wet grey shales 5y, 1st and 2nd No. 97 of specimens.

Inside not numerous. On the third brook found 19 specimens on the dark bedding same as at Dougal hall No. Afternoon to Dougal Brook and found some shale here with some good pottery. Shells not 12; Afternoon on denim with its joining 12 shells 9 and 2nd No. 71. Number 71: Lower 195 5 6 79. In all 407 specimens. Newcomen Hampshire
Thursday Aug. 5

Returned to Coffee Creek. Left the Creek at 6 A.M. Reached Junction about 2 P.M.

Packed 4per Specimen and got baggage ready to start homewards tomorrow.

Aug 7. Started for Fortdale at 5 A.M. to take the train.