

No

1

2

Selenite 1860

3

Tongue of Humble Bee. 1860

4

Scales of Eleagnus, Polariscopes, from
A. F. Potter, in 1863.

5

Hoof of Horse, Polar. put up by Dopping

6

Chlorate of Lime Polar. " " 1862

7

Marine Alga

8

Spicules of *Spongilla plumosa*, See
notice of this in Hogg, pg 183 (1862)

9

Fossil Diatomacea, from *Baculodes*,
Chiefly from Springfield, Hogg pg 148
& Carpenter pg 378.

10

Rhinoceros Horn, 1860

11

Spiacle of Balle,

12

Tricrallium This is probably *Tricrallium*
favos? Carpenter pg 292.
& found in the *Dames* mud.

13

Arachnoidiscus Streckerii,
or Cobweb. Carpenter pg 290 This
diatom is common in *Sicaco* ⁽⁵⁸⁾ *slate*

114

Plume de Suerion, (Humming
Bird's feather?)

15. Conference of Engineers at the
Menai Straits, (Photograph) (1862)
- 16 1862, Ten Commandments, Photo.
- 17 " Lords Prayer, "
- 18 " Share Holders "
- 19 " May & December "
- 20 " Rp of London (D. Fair) "
- 21 1861. Agate, polar. very good.
- 22 1864 A very delicate sea weed,
brought from
Nabaut, this summer by Maggie
& put up in Balsam.
- 23 1860 A delicate little worm, wh
wh came
up with the well water at Mrs'
Deen's Ho: put up in Balsam
- 24 1861. Head of Mosquito, Sand fly
Simulium noxium, (no-see-um
of the Indians, & black fly, *Limn-
lium molestum*, sent me by
E. Miles from the North Shore, Keiron
by letter & put up in Balsam
The saw cut ends of the Mosquito


- 11
- pieces are prettily marked
& the broad lancelets of the black
fly are very clear.
- 25 1863 Spiacles of Gorgonia, This belongs
to the Protozoans See Dana's Zoology
pt-163. fig. 149. It belongs to the Alcy-
noid polyps & the object consists of
the ray or pruzi (Sea Fan.)
1861. 26 Sand from the gold diggings in
California.
- " 27 Needle Antimony.
- 1859 28 *Pulex irritans*, Flea, a female
according to Hagg, see plate on pg 325.
- " 29 Parasites on fowls
- " 30 *Melolontha vulgaris*, egg of, com-
mon may bug, or brown Beetle.
- " 31 Hair of wild Rabbit sent from
Pine-tauquishene by E. Miles.
- 1860 32 Bay-berry leaf, under side of
or wax myrtle, *Myrica erifera*
from the sea coast at Nabaut
Also a piece of leaf from the Cedar
Swamp near Weston.

	No	
1855	53	A fragment of shell with little shells attached: taken by the sounding lead by Capt. J. Anderson Lat 52.40N. Long 5.58W off Arklow Bank 12/1/62 in 35 fathoms. See Microscopic Journal N ^o . XXXI. evidently <u>Leprelia</u> .
1859	54	Vine, transverse section, given me by J. Powell.
"	55	Echinus spine, transverse
"	56	Root of Holly
"	57	Box Wood,
"	58	Quano from Sebatoe
"	59	Epidermis of Caterpillar
"	60	Acarus of Horse, puncts slide.
"	61	Epidermis of Caterpillar
"	62	Elm root, carbonized
"	63	Mouth of Symphe du Jardin
1860	64	Pediunculus from leg (See No 154)
"	65	Antenna of a Beetle,
1858	66	Parasite of Turkey
"	67	Tooth of Spider.

Date	No	
1858	68	Mouth of <u>Cecidela vulgaris</u> or Tiger Beetle.
"	69	Section of <u>Ancadian Hedgehog</u> skull.
"	70	Head of a Beetle.
"	71	Hair of a Caterpillar.
"	72	Parts of eye of <u>Calymene</u> <u>Blu.</u> <u>munbachii</u> .
"	73	Hair of flying squirrel.
"	74	Parasites of a fowl.
"	75	Feet of yellow manure fly
"	76	Hair of a Mouse
"	77	Hair of the Fitch,
"	78	Wing of House Fly.
1865	79	Fossil chalk from Barbadoes given me by Dr. Powell.
"	80	Acarus ?
"	81	Tooth of a spider (puncts slide)
"	82	Sand from Lake Ka-Awe-awbe je-wag-a-mog: the rise the river Mookaka containing 80 or 90 per cent of Iron.
"	83	Sand D. D.

- 165
1864 ~~84~~ Sand from Princeton Mines
said to contain
70 per cent of Gold: (none at all.)
given me by J. W. B. Draser B.C.
- 1865 85 Fragment of shell of sea mouse
showing the species, given me
by E. Miles from the coast of
Netherlands.
- " ~~86~~ *Dytiscus latus*, male, anal
appendage.
- " ~~87~~ Pulvilli on Fly's foot
- " ~~88~~ Intestine & trachea of large
grub, in pine logs, coloured
with red ink.
- " 89 Cuticle of leaf showing the
stomata.
- " 90 Trachea of grub in pine logs
- " ~~91~~ Human Hair, in sections
- " ~~92~~ " " "
- " 93 " " " one of the
above is put up in Godby's solⁿ
& the other 2 in glycerine.

- 17
1865 94 Sections of small stones from
the North Shore of Lake Superior.
- 95 Turkey's foot, polar.
- Sub:
1865 ~~96~~ *Dytiscus latus*, foot of.
- " ~~97~~ Hair of Caraboo. (trans. section)
- " ~~98~~ " " very thin.
- " ~~99~~ Hair of Caraboo,
- " 100 Ditto " "
- " 101 Duck's foot, polar.
- 1860 102 *Dytiscus latus*, very clear,
- " 103 Section leg bone yearling collie
belonging to J. Eagle Weston killed by
a Locomotive.
- 1858 104 Hair of Honey Bee & feathers of hawk.
- 1865 105 Tooth of Masquenonge, long^{est} section
fish taken in Pigeon Lake weigh-
ing over lbs 30 by E. Miles.
- " 106 Spine of sea mouse
- " ~~107~~ Scale of Masquenonge taken
from close to the head, when about
6 months dry
- " ~~108~~ Scale of Masquenonge, Polar.
- " ~~109~~ Skin of scale of D^o

- 80
- 1865 110 Spines of a sea mouse
- " ~~111~~ Scale of Masquenonge, polar.
- " ~~112~~ Internal Cartilage of the Mouse's ear
- " 113 Skin of mouse's ear,
- " ~~114~~ Internal Cartilage of ~~the~~
- " ~~115~~ Skin of a mouse's ear
- " ~~116~~ " " " "
- " 117 Foot of large Hawk, Polar.
- 1864 118 Tongue of butterfly, half,
- " 119 " " whole
- " 120 Hair of Caraboo.
- " ~~121~~ Part of scale of a dog fish given me by Mr. Novell.
- 23/1/65 122 *Zaphrentis hibernica* a diagonal section, the structure is very pretty as seen with a water maker's eyeglass, or other low power, the specimen was among small stones from the North Shore of Lake Huron & in shape something like a pear  natural size see Dana

- 82
- 19
- pg 236 It appears to be a radiated Polyp & is better seen in a larger specimen wh^{ch} I obtained from J. Noble's well.
- 24/1/65 123 Stones from North Shore of Huron opaque, showing very pretty structure.
- " 124 Larva of *Anothera hibernica*, dry, opaque, very pretty.
- 1860 125 Antenna of *Melolontha vulgaris*
- " 126 Mouth of *Succilla Cæsar* (Fly) a french slide, cracked.
- " 127 Longitudinal section of a collar leg bone.
- " 128 Tail of a *Burr* showing the hooklets.
- 25/1/65 129 Larva of Humble Bee given me by Mr. G. A. G. a photographer in 1860
- 130 Sucker of Humble bee, from the previous.
- 27/1/65 ~~131~~ Article of *Stacyus* leaf
- 132 Shell of some stone crab polar

- 27/1/65 133 Eye of Horse shoe crab.
 134 Skin coral (*Scleropora incepta*
 a little ground to show structure
 See Dana pg 210
 135 Wing of small Red Butterfly opaque.
 3/2/65 136 Calcedony from Mess Smith & P.
 for the Polar scope
 " 137 Hyperstine ..
 " 138 Porphyrene,
 " 139 Elytron of *Cyphus Germanii*
 " 140 Lecimidine
 " 141 Wing of *Papilio Paris*
 " 142 Elytron of *Cyphus Gibber* from
 Brazil.
 " 143 Eggs of *Pontia Rapa*
 144 Mabogamy, trans. section
 10/2/65 145 Parasites of fruit & on one slide
 " 146 Outer skin of an onion show-
 ing raphides.
 " 147 Cuticle of Hyacinth leaf
 steeped in Carnine.
 148 Trans. section of dry Pine
 cut from top of a toy box

- 10/2/65 149 Berberry transverse section ²¹
 150 " Long' transverse
 151 Maggot found in a box of
 pigs probably common or house
 fly.
~~152~~ Cuticle of Calla Lily, put up
 dry, difficult to manage any
 other way.
 20/2/65 153 Dry seeds of *Echinosperrua*
lapulla, picked in mid winter
 still attacking themselves to every
 thing that touches them. Grow-
 ing on the dry gravel at the
 Vestry door of St Marks Ch.
 Carlton.
 " ~~154~~ Pediculus from leg, removed
 from slide n° 64 the end of the
 abdominal piece broken in
 removing.
 " 155
 20/2/65 156 Human tooth (self) extracted 1860
 " 157 Tooth of low point tooth

- 20/2/65 158 Longitudinal section of White
Walnut in Chlorobaltum.
- " 159 Contents of Egg of "Lycio campus
americanus," taken off a branch
in Feb. 9/65. showing how perfectly
they are formed in mid winter
- " 160 Scale of a Flounder bought by
C.F. Miles, frozen fresh.
- " 161 Long section of Pine
- " 162 Sting of Honey Bee.
- " 163 Leg or purse of Honey Bee
- " 164 Borer in Maple,
- 27/2/65 165 Parasite of Rat.
- 9/3/65 166 " in Glycerine
- 167 Head of Beetle
- ~~168~~ " entire in Glycerine
- 169 Sheep Dick
- 170 Scale of Crocodile?
- ~~171~~ Scale of Masquenonge
- 172 Borers
- 24/3/65 173 Stomach of Elator oculatus.
in Glycerine, stained first
for a couple of hours in

23
carnine The Elator was
alive but rather dormant:
removed from the middle of
a rotten pine stump.

29/3/65 ~~174~~ Intestine of a wood borer: large
white grub showing delicate
ramifications of tracheae (Gly)

~~175~~ Abdominal trachea of Ephe-
mera Vulgata. (Gly.)

176 Fresh bone steeped in Carnine
mounted in Glycerine, (Or. Jav.)

3/4/65 ~~177~~ Abdominal muscle Elator oculatus (Gly.)

178 Teeth of a minute borer found
in the wither twigs. A curious
tooth wh looks like a crow &
occupies the whole of the front
of the head. (Balsam)

25/3/65 179 Parasite of little bluish coloured
bird wh arrives early in the spring
The base white leaf is of a
lead colour. Glycerine

~~180~~ Bone in Glycerine.

- 7/4/65 ²⁴ ~~181~~ Pistillum of *Symplocarpus*
 fetidus showing great quan-
 tities of Raphides (Gly)
- " 182 Acanus of Canadian Robin (Gly)
- " ~~183~~ Elytra of small Beetle. (Balsam)
- " 184 Curious borers in very rot-
 ten maple; like German
 timber. (Gly)
- " 185 Do Do (Glycerine)
- " ~~186~~ A Podura with curious
 protog under the body ^(missing)
- " 187 Spiracle of *Elator occultatus*. Gly
- " ~~188~~ Crawfish under side in Gly.
- " ~~189~~ " upper Do. in Gly.
- " ~~190~~ Abdominal tracheae of *Epheura*
vulgata. Gly
- 15/4/65 ~~191~~ Air sacs in abdomen of *Melolontha*
vulgaria. Gly.
- " 192 Papilla on tongue of musk
 Rat Gly.
- " 193 Acanus of Beetle see notes
- " 194 " of Musk Rat Gly
- " 195 " of *Lom tet achick-artz*

- 15/4/65 ~~196~~ Stomach of large white wood
 borer. (Gly)
- ~~197~~ Wing of a moth. (Dry)
- ~~198~~ Anal end of *Melolontha vulgaris*
 V. V. lecth. Gly.
- 199 Stomach & gastric lecth of *Acrota*
lanigera Gly.
- ~~200~~ Kidney or renal tubes *Acrota*
lanigera. Gly
- ~~201~~ Ova, Do a cluster of them
- 202 a single one Do. This *Acrota*.
 was dug up in the garden &
 had 10 or 11 eggs & 2 aeb side the
 abdomen. Gly.
- 20/4/65 ~~203~~ Illius pelva, a pistillum
 showing the two short stigmatic
 styles together with the parva
 grains. Gly.
- 204 Equisetum showing a spore
 with its club shaped filaments
 spreading. If this plant be
 examined before it is too far
 advanced, by putting a sporangia

in sight & pressing it, the spores will be seen throwing out their filaments as they leave the sporangia.

- 25/4/65 205 *Dytiscus latus*, stomach skewing gastric teeth.
- 206 Seed of *Lepinosperma lapulla* (stick seed) Gray pp. 324.
- ~~207~~ Elytra of *Melolontha vulgaris*
- ~~208~~ Lady birds in glycerine.
- ~~209~~ Intestine skewing villi of *Melolontha vulgaris*
- 210 Intromittent organ of ♂
- 3/5/65 ~~211~~ Stomach & intestine of *Melo. vul.*
- ~~212~~ From wing, leg, antennae of Mott 9/5/65, see drawing of this date.
- 13/5/65 ~~213~~ Parts of head of *Cecidela vulgaris*.
- ~~214~~ a kind of sac attached to *Koilia Melo. vul.*
- ~~215~~ Anus. *Melo. vul.*
- 216 Stomach of *Cecidela vulgaris* a little stained in carmine

- 13/5/65 ~~217~~ *Koilia Melo. vul.* the same two dark kidney shaped bodies, looking like testes, they appear to be attached to the ends of the chitine until pressed, then they separate.
- ~~218~~ Pads of *Stylo artrea*, skin of in glycerine, without stain.
- 25/5/65 ~~219~~ The same stained in carmine wh^{ch} shows the nuclei.
- ~~220~~ Alga, *Zygnema belle?* in congregation, miceli & in glycerine.
- ~~221~~ *Chatophora*, nostoc, *Zygnema*,
- ~~222~~ Stomach of the grub, called the brown grub (skewing some pine haebae), that eats off the cabbages & so voraciously. The stomach is a large sac followed as usual by a small contracted end, wh^{ch} in this case has very strong muscles without any teeth visible, dept in carmine, mounted in Goodby's solⁿ.

28

~~223~~ Section of stem, *Symplocarpus*
patidus (carmine & glycerine).

25/5/65 224 Fringe of *Polygona pauciflora*
in glycerine, carmine turns
these vegetables yellow.

225 Bladder of *Ayla arborea*,
stained with carmine & put up
in Goadby's solⁿ: showing nerve.

~~226~~ *Ayla* showing tree like growth
(Noctue?)

227 Cuticle of leaf *Symplocarpus*
patidus, showing stomata.

4/6/65 ~~228~~ *Ayla arborea*, epithelium of
foot. Dyed with carmine.

229. *Elytra* *Melo.* only^s. Eggs of
Acan attacked, bright red
polarizer beautiful.

7/6/65 ~~230~~ *Althea coccinea*, Antromittant
organ, external booklet, &
see notes pg 41.

9/6/65 231 *Buprestes Chalcophora*, stomach
with very pretty villi or little
rough knobs, (Gavin, pg. 48.)

232 *Buprestis*, chal^s stomach & ap.
see stages dipped in carmine.

233 *Buprestis* chal^s *Scipocitor*?
muscles & wax of the same, the
abdomen was full of eggs & the
usual thick ^{oae} ~~muscular~~ with a
horn or two is split open & the
muscles w^h pass up into the
external termination are seen

~~234~~ *Rubus* leaf stained in car-
mine.

~~235~~ Hairs from throat of a *Panurgus*

236 Stomach & jaw insect with
golden hair on thorax & end
of abdomen, with small wing
cases see slide N^o 237. & very
large jaws

~~237~~ *Elytra* (both sides) with thorax &
& a heart shaped piece of thorax
like *Elytra*, (see former insect)

238 Papillae of *Mus mus* rat tongue
in Canada *Stalbaum*,

12/6/65

339

Simulium molestum, or Black Fly, & Mosquito head, in a letter from Louisa at Dyson they were hard & dry when they came to hand, they were caught June 1: 1865. See Harris pg 601.

~~240~~

Parts of the same,

241

Black fly, parts of the same,

242

Eggs from a Brown Butterfly

30/6/65

243

Polygala paucifolia, fringe of the flower, soaked in glycerine.

1/7/65

244

Stomach of *Elator occulatus*, dipped in carmine, washed in glycerine, washed in chlorate of zinc & put up in the same.

~~245~~

Head of Mosquito, soaked in potash & spirit & put up in chlor. Zinc.

~~246~~

Wing of a Moth, opaque put up dry.

247

Wing, legs, tips, feathers ^{3 1/2} of a little moth under the Beech Trees.

~~248~~

Rust on leaf of Berberry

249

Acanth of *Elator occulatus*.

9/7/65

~~250~~

Eggs from a willow leaf on the G.D. Railway Line.

251

Foot of *Dytiscus latus*; long in Soda & spirit, now in chlorobalms

252

Hairs from caterpillar on the willow

253

Various, (viz) Grubs from young onions, wood borer, orange midges, Elytra, & acarus in glycerine in wh they have been for some weeks.



12/7/65

254

Toxon canadense, from a piece sent me by Sir W^m Logan: opaque with a little Canada balsam on the top.

~~255~~

Toxon canadense, stained with a little carmine & polished on the crystallized surface.

- 256 Seed of *Clarkia pulchella*
& *digitalis*, the former, 
the latter .
- 22/7/65 257 Eggs on Red currant
Notodonta concinna, see
Harris pg 426
- 258 Eggs ⁱⁿ flat clusters found
on many kinds of leaves.
- 4/7/65 259 Eggs on the apple, surround
ed by small lacy catu-
pillars, *Notodonta concinna*.
- 260 Ferns, one from De Cou's
Falls N. S. Catharines & one
from Mr. M. Siver's Green House
at S. Catharines.
- 7/7/65 261 Seeds of
in the garden (a weed)
- 262 Seeds of *Portulaca* (skinning)
Digitalis (corky) French Poppy
(crescent like) *Antirrhinum*
black, doubly marked.
- 263 Eggs of *Notodonta* com^a from the
Ch. yard, transparent, caterpillars

- some small, some quite large
- 264 Eggs of, (?)
the reddish brown caterpillars
that appear about the last of
July on the apple trees & currants
finding many young larvae
together by their webs & working
only inside eating off only the
chlorophyl & leaving the veins of
the leaves. These eggs appear
to be covered with hair & feathers
of a white moth.
- 265 Salicines, from this to no. 271
inclusive were brought from
Mr. Heclauch's slides after his
death.
- 266 Elytra of Beetle
- 267 Skin of Shark
- 268 Species of Fern,
- 269 Eggs of Tiger moth
- 270 Gosphite *Leucania pumilustalis*
- 271 Foot of *Cyprinus* *Stator*.

- 301
 302 *Cyrtopterus Bullipera* with bulblet,
 303
 304
 305
 306
 307
 308
 309 *Adiantum pedatum* advanced stage
 310
 311
 312
 313 *Dysiscus laticus* foot, in balsam,
 314 }
 11/12/65 315 } *Pediculi* in Balsam
 316 }
 317 Stones from N. Shore Lake Huron
 23/12/65 318 *Simulium molestum*, one of the
 lauceli showing teeth on the saws
 Black fly from Dyspart.
 319. *Picea Elytra Melo. vulgaris*
 a good polariscope object

- 23/12/65 320 Elytra of Beetle,
 321. *Pulex sciurorum*, Squirrel flea.
 322 " *canis* Dog flea
 323 " *Felis* Cat flea
 324 Proleg. of *Podura*.
 5/1/66 325 Curious feathers of a moth
 caught towards
 Autumn, spread $1\frac{1}{4}$ beautifully
 veined, wings of a warm brown.
 white shoulders, & deep brown
 twisted feathers on the back. These
 are from the brown part of the
 wings.
 326 Seed of *Lotelia inflata*
 327 " *Porta Laccæ*.
 328 *Pediculus*, male, good, ~~fine~~.
 329 *Pulex sciurorum*, squirrel flea
 330 *Pediculi*. 3 females, good.
 331 Foot *Dysiscus laticus*, clear.
 332 Sheep tick, male,
 333 " " Female
 334 Bed Bug
 8/3/66 345 from traps of Berkeley, of aphid
 See *Scientific Collector's Vol III* p. 39.

18/8/66

- 357 Fleas, 3 from Black Squirrel
- 358 Formica
- 359 Brauchippus stagnalis in Balsam
- ~~360~~ Rabbits tongue papillae
- 361 Little insect with eggs attached.
- 362 Parasites of crow, male & female, very perfect.
- 363 Teeth of snail & Dytiscus.
- ~~364~~ Sympedra splendens in glycerol
- ~~365~~ Diatomacea (in well water)
- 366 Larvae of Mosquito.
- ~~367~~ Larva aquatic (Dragon fly)
- 368 " " "
- 369 Spiracle Dytiscus latus, very good
- 370
- 371 Long legged fly,
- 372 Midges coming to the light 15/6/66
- 373 Mosquito heads, caught in the swamp 15/6/66.
- 374 Comendia Cinnamomea a piece of the flowering

pond, pressed in blotting paper & laid on the slide with balsam

- 375 Brauchippus stagnalis, in a cell with glycerine.
- ~~376~~ Alga, nostoe, in early growths.
- 377 Sphagnum, a branch,
- ~~378~~ Leaf of moss showing cells
- ~~379~~ Alga, nostoe, in early growths,
- ~~380~~ Leaves of moss, showing cells,
- ~~381~~ D.
- ~~382~~ Draparwaldia glomerata See Sarsel pp 120.
- ~~383~~ Single leaves of sphagnum
- 384 Leaf of moss, (Dr. Powell took it)
- ~~385~~ Minute Mop
- ~~386~~ Utricularia vulgaris or Hadde wot. showing Raphides.
- 387 Vaucheria succula
- ~~388~~ " "
- ~~389~~ 3 leaves of moss, (cells)
- 20/6/66 ~~390~~ Diatoms, Desmidi, congregating alga, put up in glycerine water & spirit & fastened immediately

43
25/6/66

391. *Osmundia cinnamomea*,
as an opaque,

392 *Polypodium phegopteris*, not
fully in seed, some green,
others yellow, others brown,
The only plants of this I have
seen are in a patch in Holly
wood edging the B. Ash swall.

26/6/66

393 Snow fleas, these were put
into liquor Soda & spirit in
March/65

394 Deer fly. parts v. bad been
in potash for a week now in
tobacco.

395 *Dryocampus senatorius*, exter-
nal surface, vagina, very
large yellow eggs inside the ab-
domen. Abundance of tracheae
Neither stomach or tongue that I
could see, might this surface
be necessary in order to give
protection to the eggs when depo-
sited.

29/6/66

396 *Osmundia claytonia*. Grey ⁴³ of 801,
Rather an early fern & fruits as it
opens turning very dark & pungent.

397

flowering only on the upper pruned
of the pond; covered with sori.

398

Aspidium.

Found flowering only at the top.
Giving Mr. Edw. Scarlett's.

399

Spores appear to be very black: if
put up in blotting paper, or between
pieces of glass, & suddenly expo-
sed or breathed upon the curled
coverings of the seed unfold &
throw the seeds on every side.

400.

Eggs of
on the wither bushes at the side of
the G.D.R.

401

Tracheae from Larva of Dragon
fly.

2/7/66

402

Zygnema bella? in conjugation

6/7/66

403

Mouth of Deer Fly.

- 404 Sting of Potter wasp *Eumenes*
paterna.
- 5/7/66 405 Head of
- 406 Rust on *Naumburgia thyrsiflora*
or tufted loosestrife.
- 407 Spores of Rust on *Podophyllum*
peltatum, when black; balsam
- 8/7/66 408 *Botrychium*. Spores plentiful
in this slide: three lots in it. In
perfection now.
- 409 *Podophyllum peltatum*, piece
of leaf with ripe spores of rust.
- 410 Farina of the Bull Rush.
- 411 Rust of *Podophyllum peltatum*.
- ~~412~~ *Calypso borealis*, part of perfect
& fringe showing cells & nuclei
- 413 Stomach Capricorn Beetle
- 414 *Alfa*.
- 415
- ~~416~~
- ~~417~~
- 418
- ~~419~~

Conjugated
" "

12/7/66

- 420 Chetopodora, these grew ⁴⁵ while
in the saucer in my window &
are in glycerine in a thin glass
cell.
- 421 Head of a Beetle.
- 422 Head of larva of Dragon fly
- 423 " " " "
- 424 Larva of Dragon fly
- 425 " " "
- 426 Rust, *podophyllum peltatum*.
- 20/7/66 427 " Canada Beetle
- 428 Large acarus that attacks us to
to the Black Squirrel head, half
of the abdomen & shield on back.
- 28/7/66 429 Stomach of Katy-did.
- 430 Feet & various spots in leg of
Katy-did, Harris pg 159.
- 430 Spiracles in Katy did,
- 432 Wing cover & musical organ
in Katy-did or Phylloptera ^{golia} *oblongata*
- 30/7/66 ~~433~~ Spiracles *Phylloptera oblongata*
- 434 *Phylloptera oblongata* Teeth or projectors
on sound organ & spot on leg.

46
30/7/66 435 Saws of saw fly that destroys
the crown buds. See notes,

~~436~~ *Cladophora glom.* glycerine

~~437~~ " " "

438 " " dried & put up in

~~439~~ " " in chlorobalsam

~~440~~ " " in aqua distil⁵

~~441~~ " " " "

~~442~~ *Uva bullosa*, glycerine

~~443~~ Drying Alga, balsam

~~444~~ Fructification of *Chara vulgaris*
Globules (red) & nucleolus

~~445~~ Eggs of butterfly on currant

~~446~~ Internal structures in *Phylosp.
tera oblongata*, dipped in car-
mine, mounted in glycerine

447 Alga, diatomous, dried, balsam

3/8/66 448 *Trichina spiralis* from
Collins England.

449 Young oysters, opaque

450 Intromittent organs & mouth
of large flies. Back, nearly
black with whitish bands. $\frac{3}{4}$ long.

6/8/66 ~~451~~ *Cladophora glom.* dried & put
in balsam. ⁴⁷

14/8/66 452 Rust, Willow & Thorn.

453 Water fleas &c in glycerine

~~454~~
455 Alga. very dark, & full of spores
in aqua distil⁵.

456 The same, more varieties,

457 "*Coccolonic*" dried with balsam

458 Elaters & spores *Marchantia poly-
morpha*, in Hossom in Holly's
woods after a fire.

459 Saws of saw fly & male organs.

460 Gastre teeth, *Phyloptera oblongata*

~~461~~ Sound organ " "

3/10/66 ~~462~~ Alga various

463 Marine alga, a bit of sea weed.

464 A bug, strange variety,

465 A bug.

466 Bed Bug, female with egg.

15/11/66 ~~467~~ Diatomaceous &c. Dry *Bacillaria*
from Dry *Cladophora glom.*

- ~~468~~ Diatoms, boiled in acid: not cleaned, only dried over a lamp & put up in Chlorobalsam
- 469 Diatoms from the Sunken. sent to Gb's Pottu Toronto
- ~~470~~ Diatoms from the Sunken,
- 471 Mouth of Humble Bee in balsam
- ~~472~~ Colony of Gomphonema on Cladophora glom^a in aqua distil.
- 473 " " in Chlorobalsam
- ~~474~~ Eucyonema prostratum in aqua distillat^a.
- ~~475~~ Diatoms, Bacillaria &c dry unprepared in any way
- ~~476~~ Gomphonema, dried & pulled apart somewhat.
- 477 Diatomacea, Bacillaria &c dry
- ~~478~~ Cladophora glom. with Diatom
- 479 " " in glycerine
- ~~480~~ Eucyonema? a few skewing thin
- 22/4/66. ~~481~~ Muscle. steeped 12 hours in nitric acid 1 part water & put up in load by's sol. (Mullon)

- 12/12/66 482 White ash
- 483 Cherry. from the Church pitting
- 484 Black walnut
- 20/12/66 ~~485~~ Malpегian tufts. Human Kidney from a cowled in the Jail, Toronto, injected with blue at Min Coll by Arthur. Dec^r: 1886 put in glycerine when injected
- 25/12/66 486 Human Kidney skewing Malpегian tufts put up by Topping for a Dineb & given me by Arthur.
- 487 Fossil human bone from Guadalupe, put up by Topping & given me by Arthur.
- 1/1/67 489 Sickeron & Camphor wood
- 490 Camphor Wood.
- 491 White ash
- ~~492~~ Almond shell skewing very pretty cells not unlike bone, ground thin & left in glycerine. They do not skew well dry or in Balsam.

16/1/67 493

Aspidiotus conchiformis, or
"oyster shell bark louse". for
a description of this little destru-
tive thing see Harris pp-254.
& practical Entomologist at pg
31 of vol II: where there is a
good drawing & description

494

3° 3° 3°. these
were taken off the apple branch
where they are usually found:
& along with them on slide no.
394 are some of the red black
eggs so plentiful round the
kinds of the Berberry w^h grows
along side. The eggs are per-
fect & are not yet hatched:
what they may do in conse-
quence of being in a heated room
I can not tell as yet 16/1/67

18/1/67 495

Tooth of a Beaver? This
has been ground for many
months, is put up dry.

18/1/67 496

Tooth of a squirrel? ⁵¹ long time
ground, picked & put up dry.

497

Notodontu con. These caterpillars
were put up in fly^c on the 27. aug 1865

498

Teeth gastric or stomach of a slug.
put up in fly^c in the spring of '66
& then washed in water & put up
in Canada Balsam. (fly^c not out)

499.

~~Larva of *P. maculipes* fly. treated
Stomach of Beetle
Stenocera no. 498~~

500

~~Sample of red *Bulgarian*
Stenocera fly. male. treated in fly^c~~

501.

Curious Larva ~~from rotten wood.
female treated in fly^c~~

22/1/67

502

Section transverse, (immediately at
right angles to the long bone (femur)
of a blood horse about 7 ye old: once
the property of Mr. Peake. Horse died in
18 (very good) (put up dry)

503

Tooth cow, longitudinal, showing
the whole depth. (dry)

504

Tooth cow, transverse, greatly
broken an old tooth that had
been too much treated in
balsam. (dry)

54

524 Transverse section, half of
Palatal tooth of proboscis given
me by Dr. Powell: extremely hard.
In the sac.

2/2/67

~~525~~ Transverse section, root of Blood
Root. Dry since spring, soaked
in water, cut & put into Balsam

" 526 Leather from head of

same as 519.

" 527 Compound eye of Cicada
or Harvest Bug. long dry
now in Balsam.

7/2/67

528 Maxillary bone of Beaver.

" 529 " " "
tooth put up dry.

" 530 Dentine & enamel of Beaver
incisor tooth dry

" ~~531~~ " " " in Balsam

532 Leather of English Pheasant
given me by Mr Peake,

533 Scale of Brill, given by J.F.

534 Elytra of Diamond Beetle &c.

~~535~~ Wing of Common Bee

536 Seaweed. from Dr. P. 55.

537 Wing of Butterfly Peacock Butterfly

538 Longitudinal section from the
dense & thin part of a wild
goose's leg.

A. Dense part
B. Blood vessel seen.
wisely arranged.



} put up
dry. given
me by Dr.
Powell.

539. Transverse section leg bone
of wild goose in Balsam as
the sketch in 538.

540. Long^l. section, leg bone of wild swan
having a small portion of the
hard part of the circle. Dry.
The bone is more brittle, & the ba-
nerious are more regular than
in the Goose.

541. Long^l. section from leg of wild goose
showing the dense & more open
structures in the same specimen.

542 Scale of English Mullett.

543 Hair of white Mole.

544 Transverse section leg bone of cat


545 " " very old. same as 536.)

11/2/67

56
12/2/67

546 Transverse section leg bone of Cat close to the upper end same as 556. all dry.

547 Transverse section tooth of Bear, thin & dry. Shows the structure well.

548 Transverse section, prominent bone of Beavers ear.  The inner division of bone is rubbed away. The section is from the outermost point of the bone.

549. Section of the rect shaped bone in the inner portion of the Beavers ear.

550 Trans Section Human Fibula. This bone much bare since many years in the ground: it was taken from an Indian burying mound at Woodbridge Ct. put up in inspissated Balsam (changed to balsam pure)

551. Trans Section swan's leg. in thick or tinted Balsam

15/2/67

552 Long Section Fibula (human) thin, put up dry, a good specimen same bone as n^o 550.

553 Transverse section, same bone, thin, dry. Human Fibula. ^{perfect} very

554 Trans. Sec. leg of Race horse. Given me by J. Peake, Ground by Dalton. (Dry.)

555 Trans. sec. Leg bone of Horse. Same as n^o 554. ^{very fine} put up dry.

16/2/67

556 Native silver, Mr. Peake brought a little earth from Deptford to test. The blow pipe melted it immediately. The little balls are malleable. & the residue is parted like silver. A little ball, a glass pipe, & parted hits.

557 The above parted in Nitric acid & allowed to dry. Phariscope,

558 Earth, from the Township of Snowdon containing a good supply of silver (noted) given me by Dr. Peake he got it from the Company.

a section

19/2/67

559 Longitudinal section Human Fibula. Probably an Indian found in a mound near Launceston, bone has lain long time.

" 560 Same as the above n^o. 559.

" 561 Grubs or borers, under the bark in young pines cut down about a year: from D. Brwell's, pretty feet like teeth at each segment of the body. In Balsam.

562 Longitudinal secⁿ. of leg bone of Race horse, from J. Peake put up dry.

563 Borer or grub curious acarus & skin of grub. under the bark of young pine cut last summer. (See 561)

564 Transⁿ. secⁿ. Human Fibula very thin, put up dry.

25/2/67

565 Lower extremity of one of the

28/2/67

59
fangs of a Cow's molar tooth transverse ground by Jimmy
566 Transverse section leg bone of a cat very thin, dry, Cat was killed on the Railway tracks during the winter, very pretty. Ground & finished by Jimmy. -

567 Longⁿ. Red oak. plenty of dotted ducts. being used in the Cb's. Seats. very open wood.

1/3/67

~~568~~ Small plants found on a little bit of Rotten wood. Cells are pretty, a still smaller also. A. Lichen.

~~569~~ Appended wing, from seed of Red Maple Acer Rubra long time glycerine, now in Balsam.

570 Two sections of Berkeley, cut the winter last year & have lain in Spiritini.

571 Longⁿ & transⁿ sections of Red Oak. tolerably thin, show well.

60
7/3/67

572 Transverse sec^{tn}. leg bone of
a 2yr old Heifer hind leg
just below the knee joint.
fresh bone, put up dry a
curious instance of absorption

23/3/67

573 Scales of Eel. given me by
Arthur,

" 574 Crystals of Siquor Soda.

" 575 Section of wild Clypeatis

" 576 Sheep Ticks.

" ~~577~~ Fetal bone of Lamb,

" 578 Mouth of Butterfly

" 579 Mucous surface stomach
of frog.

29/3/67.

580 Particles of fossil shell, either
Peculiarophalus cana: or some
smaller shell.

581. Bone of calf 6 weeks old
front leg.

7/5/67

582 In glycerine these insects were
~~583~~ feeding on a beautiful
bright scarlet fungus. They
appear to be the self-same

7/5/67.

~~583~~ as 583 w^{ch} were floating in a
small pool. They seem to be all
snow fleas. *Podura's* Horse in the
water were reddish brown, their skins
cover the water, when hit to be put
in them they spread their tails.

" 584 Palatal teeth in a small land
Lizard. They are on the upper
part of the mouth.

585, Transverse section leg bone of
a deer full grown Bucks, quite
dry. Very solid, put up dry.

9/5/67.

~~586~~ *Gomphonema berkeleyi*. Stones in
the River are quite covered with it:
dry in Balsam

587. *Cypridocypris brebissoni*? These
Osmids were formed in a ditch on
the Railway at Weston, they seem
to be attached below by a whitish
mucous membrane & pringed on
the edges with bright green. Dry
in Balsam w^{ch} has split them in two.
~~588~~ *Cypridocypris brebissoni*, in glycerine

- (2)
20/5/67. ~~587~~ Tetraspora, ? minute
" " alga in pairs. gly.
" 590 Vaucheria haucata,
" ~~591~~ " " found in
" " Mr. Wadsworth's milk race. gly
" ~~592~~ Vaucheria gemminata &
" " a conjugating alga also. gly
" ~~593~~ " " " " good. gly.
" ~~594~~ Cylindrocapsa cellulosa
" " put up in Aqua destillat
" 595 Vaucheria haucata (gly)
" 596 " gemminata, gly.
" 597 Cylindrocapsa cellulosa, (gly)
" " very good.
" 598 Vaucheria haucata. (a haucob
" 599
" " a kind grass. pretty spirals
" " in the anthers, (anthers alone)
" ~~600~~ A ~~small~~ anther of the above
" " pulled apart to show the spirals
" 601
" " little petals, & pistils.

+ Dr. B. 27/5/67

- 27/5/67 ~~602~~ Colony of *Gomphonema berkleyi* 6.3
& *Synhedra splendens*. Aqueduct
" ~~603~~ Conjugating alga, *Zygnema*
" 604 Old *Cladophora glomerata*, with
Cocconeis pediculus,
quantity of *Synedra prostrata*?
& *Synhedra* V. V. in tallam.
" ~~605~~ Same as 604. but in glycerine
spirit water. (very good)
" ~~606~~ *Draparnaldia*
& small diatoms,
" 607 Conjugated alga, *Zygnema*,
" ~~608~~ *Vaucheria*,
" ~~609~~ *Cladophora*, with curious diatoms
" ~~610~~ *Diatomaceae*,
picked up in a running ditch
as a bit of red scum or dirt -
" 611 *Draparnaldia plumosa*.
" 612 " "
" 613 " "
" ~~614~~ Conjugated alga, *Zygnema*.

- ⁶⁴
 27/5/67 ~~615~~ ~~616~~ Conjugated algae Zygnema.
 June 1/67 617 A rust found on a dead leaf
 " on the ground in W. Holley's wood
 " put up dry.
 618 Cladophora with curious
 " diatoms like 609, but in
 " Balsam.
~~619~~ Diatoms like 610, but in
 620 Balsam.
 4/6/67 621 Erect threads of alga? clipped
 " 622 from the back a small, living
 " " in Drepanaldia in Coopers
 " " Creek, Diatoms numerous.
 " ~~623~~ Bright yellow frothy alga on
 " the Parkway pond. Zygnema.
 5/6/67 624 Gold from Madoc, Sir G. Scarlett
 " washed for himself in the Richmond
 " on mine & gave me this sample
 " there was very little gold in com-
 " parison with the magnetic iron rd
 " more than two or three cent. He was there in
 " April/67.

- 5/6/67 625 ⁶⁵ California gold, as pounded up
 " " ready for melting. Sir G. Scarlett
 " says this is a rich sample.
 " 626 California gold as pounded,
 " showing how very small the particles
 " sometimes are & how firmly imbed-
 " ded in the quartz. Both given me
 " by Sir G. Scarlett.
 11/6/67 ~~627~~ Vaucheria. racemosa? in a still pool
 628 in the wood close to Black creek. Wm.
 " Holley's Farm. Note! This Vaucheria
 " seems to be attached to the bottom, & feel
 " quite when handled. While the Zyg-
 " nemas appear to float
 629. Human bone Titula, like 11^os
 " 527. upper end of the bone
~~630~~ Zygnema. found in a
~~631~~ small pool, quite exposed, & floating;
 632 back of H. S. Britton's; while crossing to the
 " S. Con. of York. In different stages of
 " conjugation.
 16/6/67 633 a fresh water lava
 " plentiful in a slow stream in W. Holley's woods
 " in Balsam. (Sims gone in 1867)

66
20/6/67

- 634 Curcul saw flies in Glycerine male & female.
- 635 A pretty moss, minute cells. in Balsam. (long in Balsam & Chloroform)
- 636 Flies mounts, in honeycomb & V
- 637 Aquatic Larva, formation of Elytra apparent.
- 638 Flies mounts,
- 639 Aquatic Larva curious Mosquito undeveloped.
- 640 Aquatic Larva ~~like~~ 637
- 641 Head of male Mosquito?
- 642 Scales or feathers of a very " " curiously marked little moth.
- 1/8/67 643 Gommidia regalis? picked on Chapin's Creek 1/7/67
- 644 " " on Chapin's Creek flowering on the upper parts of the pond.
- 645 Curious & pretty diatoms or or in simply Trachearia, taken in Chapin's creek.

2/7/67

- 646 Diatoms in Balsam (from ditch).
- 647 Diatoms in Balsam
- ~~648~~ Batrachospermum compressum, found in Chapin's Creek, July 1: 67. in Glycerine
- ~~649~~ ~~the same in~~ gly. spirit & water. Looks like an alga but not so internally, but more like a Diatom, reddish. in gly. sp. H.W.
- " x 650 Monogothia gemiflexa? taken too late, in the pools about the Hummer at the Lake on the shore.
- " 651 Batrachospermum compressum. in gly. water & spirit & flattened
- " 652 Monogothia gemiflexa, in gly. water (spirit)
- 11/7/67 ~~653~~ " " " "
- ~~654~~ " " " "
- ~~655~~ " " " in Aqua distil:
- ~~656~~ Cladophora, with diatoms, touched with iodine & put up in gly. & spirit & water.
- 657 A Lichen, on rotten wood at Chapin's creek,
- 658 Fern opaque, dry large specimen,

68
15/7/67

~~659~~

Larva aquatic, taken in
Mr. Holley's woods in the little stream
near the Black Creek.

"

"

Two caterpillars w^h destroy
the Conium or wild Parsnip,
two water boatmen, one smaller,
& a species of Synips.

"

"

17/7/67

661

Pteris aquilina: gathered in
the garden where it had
been brought with cedars for
the hedge. Brake, or hakeca
Deutzia scabra, lower &
~~under~~ upper side of leaf.
opaque. given me by Mr.
J. Thompson Caulton.

"

"

"

"

20/7/67

662

Deutzia scabra, lower &
~~under~~ upper side of leaf.
opaque. given me by Mr.
J. Thompson Caulton.

28/7/67

663

Protonispa large water bug
Cladophora, with *Gonophro-*
nema dichotomum growing attach
ed to a wharf at Prescott
where the Prescott & Ottawa
Railway station is. It was
drugy brown with diatoms
in 10 or 12 feet of water.
in the St Lawrence r.

~~664~~

"

20/8/67

~~664~~

in spirit of glycerine V?

~~665~~

as the former is (*Gon. dichotomum*)
D° D° but in glycerine -

~~666~~

only, does not suit for Diatom.

667

Feet from the mouth end of
a little scale looking things
attached to the flint rocks at
the falls of Montmorency above
the falls. Are they Water Spiders?

668

Diatoms V: dry, with sal-
suum from Prescott. in the
St Lawrence *Gonophronema dichotomum*.

669

Whole insect as seen ^{fact} on
the rocks at Montmorency.

670

Diatoms, dry in Balsam.

671

D°. *Gonophronema* V.

672

Cytophrys bulbifera, from
rocks at Montmorency.

673

Pteris, diseased & good
from Montmorency.

10/9/67

674

A nest on Red oak leaf, picked
near Mr Dennis' swamps
while getting cedars. 10/9/67

- 70
10/9/67 675 Wood, receptacle & hairs of
" " fine wood. *Erechtites hieracifolia*
" " in Gray pg 230.
" 676 Nerve from a cabbage caterpillar
in Balsam.
25/9/67 677 6 fleas, kept about a year
" in Arthur. very good.
" one male, 5 females.
678 4 Pediculi, various, human,
very clear, & good.
679 Leg of Bee. Very good.
30/9/67 680 Nerve from *Julus terrestris*.
681 in Balsam; ^{intestine with heads}
" ~~681~~ Stomach of *Julus terrestris* show-
ing teeth, ^{worms} striped muscle & ^{back}
" 682 Hooks mentioned by Rymer
" Jones pg. 282 in male *Julus*
" *terrestris*. Glycerine & cell
" 683 Worms, lying straight in narrow-
est part of intestine of *Julus terrestris*
" in Glycerine. curious heads
" ~~684~~ Narrowest part intestine *Julu*
ter. in Glycerine & stained.
" ^{translucent muscular fibres}

- 71
30/9/67 ~~685~~ Narrowest part intestine of
Julus ter. opened soaked in
carnine & put up in glycerine a
fine worm in it.
" ~~686~~ The same as 685, showing muscle.
" ~~687~~ Worms found in old dragon's
" ^{w.} had lain in a port folio on
" the ground for years. They were
" very active. (in Glycerine.)
" 688 Scale looking insect attached
" to the rocks at Montmorency.
" one has been stained, they are
" in Glycerine.
" ~~689~~ Small, maggots or grubs found in a
" fungus (Gly) all broken up, mouth.
1/xi/67 690 Stomach of *Astacus fluviatilis*, or
" cray-fish full of hairs (Gly)
691 " " " (Gly)
" ~~692~~ Stronger hairs placed on either
" side of teeth in stomach of *Astacus*
" *fluviatilis*. (Gly)
" ~~693~~ External & internal or gastric teeth
" of *Astacus fluviatilis* (Sordhys solution)
" ^{in transparent} stained 12/xi/67

72
1/11/67

~~694~~ Muscle from leg of calf. (Gly)
~~695~~ D. stained in carmine (Gly)
~~696~~ Moulds from bread. (Gly)
~~697~~ Enipisina, from a pane
of glass where a fly had died.

698
13/11/67

See pg 116 & 122, "Hav's Handy Book" 1867
~~wrong~~ Struthiopteris, a pretty sample
gathered on a little creek that
empties itself into the trunk
at Edw Scarlett's.

~~699~~ Stomach of centipede, taken under
dry leaves in the woods. stained
& put up in Glycerine.

~~700~~ Gomphonema & others, Gly.
701 Fungus as seen in dark spots
on the pear, called Dieckm's Dieckm
Lema in Walsam.

~~702~~ D. D. in Glycerine
~~703~~ " " " " " " " "

~~704~~ Growing alga, with rings on the
trunk like necks. Verruculipera?
" in Gly.

~~705~~ Mongotia verruculipera V. Gly.

13/11/67

~~706~~ Vauckeria minute algae. Gly.
" ~~707~~ D. — D. — "
" ~~708~~ D. — D. — "
" ~~709~~ D. — D. — "

" ~~710~~ Mongotia, ? all in Hautzebs fluid

" ~~711~~ Inclusion —

" ~~712~~ Antomittant organs of a pair of large b

" " flies caught in W. Holley's woods

" " last July & left in Glycerine. (Linnus)

23/11/67 ~~713~~ Cladophora glo. in Hautzebs fluid

" showing the way the spores escape

" picked from W. Madworth's clauce, by Mr. Carter

721 Single circle of Mosaic, in H. fluid.

722 Draparnaldia & diatoms, in H. fluid.

~~723~~ " " " " " " " " " " " "

~~724~~ Mongotia. in H. fluid.

~~725~~ D. — " " " " " "

~~726~~ Alga & diatoms, (Linnus) ?

~~727~~ Scale insect from Maple trees

~~728~~ Mould on bread.

10/12/67 729 Teeth from Stomach of

" thick water treatment about the

" size of Dytiscus laticus only narrower
cuttle head 10/12/67 under the coat. (De Gams)

74
12/xij/67

730 Four scale insects, in fly, taken from a twig of Red Maple.

~~731~~ Muscular Fibre & spiracles, taken from thorax of ^{large} *Dytiscus later*.

" under the ice, in a cattle guard

~~732~~ D^o but from a sac in the ab-

" domex, & attached to a small cord

" pointed towards the head & containing

" some yellow fat? both in fly.

733 Fossil wood. on the 8th Nov: 67 M^r:

" Mr. Gubb gave me a roughly ground seed

" w^{ch} he said was fossil wood, an oak?

" tree from Craigleith Quarry - M^r -

" Edinburgh, Scotland at about 100 ft

" below the surface: he got the bit of stone

" himself. See pg 40, & pg 375. Lyell's

" Elementary Geology. 6th edition 1837.

734 Three varieties of wood from California

given me by Dr Geo. Searlett Balsam

~~735~~ The same in Glycerine.

736 California mahogany. in Balsam

737 Mouth of fly, put up by Arcton

in Balsam

75

~~738~~ Skin, or carapace of Horse shoe crab., from Arcton (Balsam)

739 Skin & scales of sole. from Arcton (Balsam)

25/xij/67

~~740~~ Portion bone, leg of a ^{large} Heron or

Craze, shot Sep: 28: 67. The bones

crack across in drying, are very

hard indeed. ground & put up in

Chlorate sine. looks well now.

6/j/68

741 Pupa of *Dytiscus later*, this was

found about July last, & put into

Glycerine. very pretty

" ~~742~~ Muscles of a wood borer taken

" ~~743~~ in a rotten stump, dry, (in fly.

Fibrillae of the same. D^o

744 Fat of *Dytiscus*, & of water boatman

" in Balsam (clear)

745 Silicious condition of stem of

" German rush. simply scraped

" & put into Balsam.

7/j/68

746 Round end from Hip bone of an

ox: cut off ^{trans} 1867. dried till

now, put up dry; fell accidentally

746 liquid the mantle piece, while drying
Duplicate, specimen cut in half.

- 7/7/68 747 Elytron of a little water uscel
 long laid behind the mantle
 piece, in my study.
- " 748. Eggs spread on willow leaf.
^{Palpicornes. Mydrophilus.}
- " 749 Larva (aquatic) with curious
 head tripartite shovel on head.
- " " taken in Ind. by Mr. Wolleys pond
 in animal Kingdom, by D.R. Jones p. 125.
 on G.T. Railroad Weston.
- 22/7/68 750 ^{mould} Tortion of a large flat fan-like growth
 or mould attached to pine joints, under Carlton
 Church, built on dry gravel, with
 thick walls, no air underneath. About
 6 in. high: the floors began to sink.
 Seen as an opaque with an web
 obj. the little cells of the pine threads
 of growth are very pretty.
- 751 Coral in Balsam good by lamp
 light not quite thin enough
- ~~752~~ Fragment from a beautiful
 stone full of fossils, orthoceratite?
 given me by Mr. Gribb Esq. who has
 picked up on the W. Branch
 of the Run in near his house.

- 77
 28/7/68 ~~753~~ Several small stones from the Shore
 " Huron, fossils, ground thin in
 " Balsam, transparent
- ~~754~~ From a Caddis work, taken in
 " Alga under the ice 2/7/68 in the
 " Summer. Glycerine
- 755 Parts of the same. Glycerine
~~756~~ Do Do Glycerine
- 757 Leg bone of calf near fetlock joint
 trans: not very thin, dry, good for 1 in obj.
- 758 Section (long) of Elm (sawed) the tough
 " cut I ever saw. A piece 3 in thick &
 " 1 foot long could not be split by two
 " iron wedges. Balsam
- 759 Enormite, coral V. in Balsam, thin
 & very good: from a bit of stone about the thickness
- ~~760~~ Section Elm long same as 758 Glycerine
 761 Balsam Bass wood, (long Sect)
 in Balsam.
- ~~762~~ Bass wood (long Sect) in Glycerine
 763 Willow, (long Sect) from an old
 " creek bed in Balsam
- 764 Pine, in Balsam,

- 765 Apple, long sec, in Balsam
 766 Lob, (white) tough piece, Balsam
 29/7/68 767 Stone with fossils from N. Stone
 " Neuron,
~~768~~ Coral, transparent, good
 769 Coral, thin, skewing a sort of
 " origin for its growth.
 770 Leg bone of half Drausoree, thin
 " in four bits, dry, same bone as
 " 757 only thinner, not enough polished
 771 Cellular tissue, tightly stretched over
 " a seed of Dogwood. The cells are
 " raised in the middle, & have a chain
 " like set of cells between. (Balsam)
 4/7/68 ~~772~~ Under cuticle Syacintb leaf
 grown in Louisa's room during
 the winter. Stupid in Carnine (Fly)
 773 The same thin glass =
 774 Tooth of Sheep hairs same section
 " dry thin ground by Louisa
 775 Tooth of Sheep long. section dry.
 6/7/68 776 Foreign Fern, hairy,
 777 " " Stag Horn

- 6/7/68 778 Foreign fern, Golden,
 " from W. Scirselpolders -
 779 " Golden, single leaf.
 780 " Golden, long leaf,
 781 "
 782 " Adiantum
 10/7/68 783 Sicory nut shell, Balsam,
 784 White Cedar, long. section in Balsam
 " very free splitting, bond put with one blow.
 785 Foot Dytiscus later, good, Balsam
 786 Diatom's form: V. from the R. Law-
 " ruce in Balsam & thin glass cover-
 " some are $\frac{1}{2}$ oblique.
~~787~~ Larva of willow. They are
 contained in the folds of the ^{tree} buds
 made on the ends of the branches
 Glycerine & thin glass.
 18/7/68 788 Diatomacea, Cocconeum cyrillae
 Bacillaria V. in the river 18/7/68
 789 D. .. D. with a closterium.
 See 2p. thick covering them.
 6/7/68 790 Bees wings skewing booklets
 & hold them together (Dry)
 Bees dead on the snow.

80
 8/11/68 791 Bees wings, skewing booklets
 beautifully, in Balsam.
 " " " "
 9/11/68 792 Wings from
 " " caught in St. Cato's aug. 1866.
 " " Very delicate & clear wings. (Balsam)
 " 793 Wings of Honey Bee, booked water
 " " rally as in flight. (Balsam)
 " 794 Wings of Honey Bee booked by
 " " holding the finger on & drawing
 " " them apart to book. (Balsam)
 " 795 Wings of Honey Bee, 2 pr. booked
 " " naturally one partly booked.
 " 796 D. - 2 prs one booked the other
 " " unbooked. Both Balsam.
 10/11/68 797 Human Tooth, in Balsam, 1/2 a
 molar, w^h C. F. Miles had extracted
 on the 9th. It had been filled, & was
 decayed below the filling.
 17/11/68 ~~798~~ ⁷⁹⁸ Pauceria of ~~Proteus~~ ^{Proteus} anguinus.
 a small one caught after
 high water. Gly. & stained,
 799 Intestine of an Annelid,
 Gly. stained. Muscle.

81
 17/11/68 ~~800~~ Foot of Proteus anguinus, in Gly.
 " skewing beautiful cavity
 " muscle & division of cells - V.
~~801~~ Intestine of an Annelid, muscle
 802 Ferlex? or haecae? at tail end
 " of an annelid w^h mores like
 " aural. Gly. stained.
 803 Larva, with plentiful abdominal
 " gills. washed up by presert. (Bal.)
 804 Foot of Dytiscus latus, (Balsam)
 805 Insect shell, ? like a mouth?
 806 Larva of Hydrophilidae, good. Bal.)
~~807~~ Notonecta, or water boatman Balsam
 808 Head of large fly. (Balsam)
 809 Worm in old papers (Balsam)
 810 ~~80~~ Mouth of little scale insect
 " from Mont morency falls.
 811 Skin of Larva (aquatic) spiracle.
 " Foot of 802. in Balsam
 812 Tail end of same in Balsam
 813 Mouth of the same in Balsam
 814 Elytra? long in liquid
 Spirit

81
21/11/68

(removed opaque 24/11/68) (Balsam)

- 815 Larva of *Gyrinus natator*? Taken at the pocket See Microgra' Dieti.
- 816 Black Insect, always very rare, about in the spring: wings not opened.
- ~~817~~ Muscle from body of *Ephemera Vulgata* strica very plain. Fly.
- 818 Larva, with very beautiful abdominal tracheae (Bal)
- 819 Larva of *Gyrinus natator*? in Balsam, The most beautiful lines of tracheae I ever saw, Balsam has made it too light.
- 28/11/68 820 Bones from nose of a pig, thin in Balsam, Some of the Lacuniae & canaliculi very good. Not ground. Thin bits only.
- 821 Bones from nose of a pig. Thick balsam, (unpreserved) good.
- 822 Bone from nose of horse's skull.
- 823 do. ————— do. Bals. unpi-d
- 824 *Gyrinus natator*? Balsam Larva

Larvae

29/11/68

- 825 Bones from horse's nose put up in very thick Balsam, quite cold
- 826 *Gyrinus natator* Larva? Balsam
- 827 *Batrachospermum confusum*, sent me by Mosler. in Hanks
- 828 Larva, curious tail
- two pins, V. taken in the pocket Balsam
- 829 Larva of *Ephemera*, clear, Bal.
- 830 Larva, taken in the pocket Balsam
- 831 *Elytra* from a bug found on the Willows. Salicaceae, on Rail Road.
- 832 *Dickinsonia* sp. from Hampden Co. 9. 67 Illinois U.S. Human, occasional death. given me by Arthur (Fly)
- ~~833~~ D. — D. — .. —
- ~~834~~ Lion of mouse, naturally injected (Fly)
- 835 Lung of Dog. (Fly.)
- 836 Skin of the Human Hand (Fly) Sal
- 837 Colour of Turkey. grad. sol. opaque
- 838 — — — ?
- ~~839~~ Three foetal Lamb., stained, Fly
- ~~840~~ Cells in growth, from Abdominal tumour Fly

- ~~841~~ Cholesterine. from tumour (fly)
 - Human, soft, unaltered.
- 842 Alga, Zygnema nitidum? this was
 sent in a bottle to D. Howell taken
 from Cattle Guard S. D. Station (in Harkn.)
 fluid, Cytoblast very perfect.
- ~~843~~ Nerve, Diaphragm mouse in
 - Camum Glycerine
- ~~844~~ Maggot? in Gly. very pretty altho
 - probably blow fly.
- 845 Larva of Ephemerella stained
 with Camum. Balsam.
- 846 Vaucheria caesosa, 6 hours in
 acid & sp^t. then in Gly.
- 847 Vaucheria caesosa, as above but
 - put in to Dupontium & Balsam.
- 848 Trichina spiralis, human, in Balsam
- 849 Larval worms, trachea at the
 - tail. Balsam
- 850 Skin up looking insect in fresh
 - water, very common, Balsam

- 16/10/68 851 Vaucheria caesosa dried in
 - Balsam,
- 852 Very fine & small.
 - growing early & spreading every
 - where diatomous & -
- 853 Vaucheria caesosa? Glycerine
- 854 Vaucheria " ? "
- 855 " " ? "
- ~~856~~ Very fine threads of.
- ~~857~~ Vaucheria racemosa shows the
 - plan or skeleton well, in acid &
 - spirit then a day in turpentine
 - & now in Balsam.
- 22/10/68 858 Encyomena prostratum & other diatomous ^(on leaf)
~~859~~ Stellate bodies from leaf, dead in ^{10/11/68} Harkn.
- 860 Trichina spiralis, human, balsam
 good & many of them
- 861 Stellate bodies from leaf of a
 - Symplocos, probably also or dentaria
 in the balsam. Balsam
- ~~862~~ same as 861. in Glycerine
- ~~863~~ same & diatomous from me by
 W. Osler who drew my attention to them

86
22/11/68

- 864 *Eucyonema protractum*, in gly.
- " given me by W. Oden,
- 865 *Stigonema atrovirens*, gly.
- " came from Kumbha Bay attached to other specimens
- 866 Stellate bodies, same as 861
- 867 *Batrachospermum*, confu: gly.
- 868 *Eucyonema* prol: like 864.
- 869 Diatoms, from Kumbha Bay wth ^{Balsam}
- capt through cloth to get to the light
- 870 Stellate bodies & diatoms w^h were
- soaked in potato liq: Balsam
- " *Cocconeum* chiefly. *lauciolatum*?
- " *Gomphonema* ^{*lauciolatum*} of regard.
- 871 Skin of frog, in carmine, acetic acid, turp: & Balsam.
- 872 Do - Do -
- 873 Internal structure,
- 874 Silicious coat of head
- 875 Diatoms, *Gomphonema* or *Cocconeum*, *lauciolatum* from Kumbha Bay in Balsam, clean.
- 876 Cloaca, of frog. -

87

23/11/68

- 877 Tongue of frog. Balsam
- 878 Do - Do - "
- 879 Skin of frog. "
- 880 Internal structure. "
- 881 (Stellate bodies in *Mythaculites*
- 882) these have been soaked liq
- 883 Potatoes & liq: soda & boiled in li
- 884 tic acid. now in gly:
- 885 Mosquito Larvae, balsam.
- 886 Wood Louse ^(Balsam)
- looking insect in the Kumbha Bay
- 887 Shrimp looking little insect. Balsam ^(Balsam)
- 888 Skin of frog. small nuclei pretty
- 24/11/68 889 Sassafras, showing pretty dotted ducts, in Balsam.
- 890 Stellate bodies from leaf of.
- " in Balsam very clean & clear.
- 891 Tracheal end of aquatic Larva
- " very pretty taken ^(Balsam)
- " with rubber in the Kumbha Bay
- 7/1/68 892 Mixed residue Kumbha Bay, a fine
- 893 looking & a rubbing? Stellate to structure

- 88
7/4/68 892 Stellate bodies, tried in nitric, sulphuric & mucic acid in the leaf.
- 893 Stellate bodies & diatoms from Numbur more cleaned
- 895 In _____
- (Surrell) 896 Diatoms from Numbur Bay well tried & washed.
- 897
- 898
- 899 Diatoms lying on the surface in the swamp & gathered with a knife point.
- 9/10/68. 900 Spiral vessels in leaf of Nuphar
" Lutea in Balsam.
- 901 Larva (aquatic)
- 902 " "
- 903 Larvae, several, & annelids
" taken at the Numbur pocket.
- 904 Centipede? (in old wood)
- 905 Red Bug. —
- 12/1/68 906 Fragillaria, dry. From Char. Brook
- 907 Seed of Taraxacum leucodon on common Dandelion ^{dry} a good supply
- 908
909 Diatoms from the Numbur (in Balsam)

- 89
22/1/68 910 Diatoms from the Numbur chiefly *Cymbella turpida*? Balsam.
- 911 Diatoms & stellate bodies from deposit on a log. Balsam
- 912 Acarus. Balsam
- 913 Mosquito whole, in Balsam,
- 914 Wings of a clear wing moth on the Cur. ^{dry.}
- " raut husks.
- 915 Diatoms, good *Cymbella* & *V. V.* Bal
- 916 *Daphnia pulex* glycerine
- 917 Desmids &? ? on the rail way
- 918 *Zygnema deformatum* from Numbur Bay in glycerine
- 919 *Silix* in German Rush. (Gly)
- 923 Acari from a Beer Bar. tap (Gly)
- 924 *Hyla arborea*, parts of (Gly)
- 925
- 926 *Hyla arborea*, balsam.
- 930 Tadpole of frog. (Glycerine)
- 932
- 933 Wing of small very dark moth, creeps into cracks like the clothes moth variety & has wings ridged when at rest in the vestry.

25/7/68 ⁹⁰ 934 Skin from foot or leg *Hyla arborea*
" stained, steeped in acid & spirit
" then turpentine & well dried.
" now balsam (nature). showing vocal
glands well.

~~935~~
~~936~~
~~937~~ 935 Part of Common Frog, steeped
in Carmine Sol: acid & sp. Turp:
& now in Balsam.

939 Epithelium from tongue

936 Tongue, others, skin & web,

~~940~~ a circular organism? found
in the hummer.

30/7/68. 941 Larva wrapped up in *Dynada-*
ridia.

942 *Hydrophyllida*. a whole in
sect.

943 Larva aquatic wrapped in
" *Dynada ridia*. & mouth of
" a bellulidæ.

944 2 curious Bellulidæ.
" taken when deep in mud
" just before emerging
" curious mouths or covers

30/7/68 ⁹¹ ~~945~~ Skin of Toad, showing glands.
as opaque or transparent. This
toad was hopping about on the
plains near the hummer, terribly
dry ground all sand. proba.
ly half a mile from water &
looked a very light colour yellow
wh. white.

~~946~~ *Hyla arborea* parts of on one slide
" soaked in carmine first then
" acid & sp. turpentine now balsam

3/7/68 ~~947~~ Part of a white mouse.
~~948~~ ~~949~~ ~~950~~ ~~951~~ ~~952~~ ~~953~~ ~~954~~ ~~955~~ ~~956~~ ~~957~~ ~~958~~ ~~959~~ ~~960~~
stiff stained, seen in acid
& sp. then turp. & now Balsam

954 Larva of dragon fly (large) bal.

955 Spiders (bal.)

956 *Hydrophyllida* bug.

957 Larva aquatic curious teeth

11/22/68 958 Diatoms from London (by Colen) Bal.

959 Skin of small tadpole long in

" acid now in Balsam

960 Sting of Honey Bee -

- 961 Spiders, Balsam
 967 Spinnule of the same Bal.
 968 Spongiae from a Kettle Bal
~~970~~ Statolites of a Polyp. Gly.
 971 Polyps. in Gly.
 974
 975 Wet work growth round root of a
~~976~~ willow tree in the same (Gly)
 978
 979 Diatoms from the same (in Gly)
 980 Diatoms from Chalk Pond
 Biddeford Maine in Balsam
 981 Diatoms from Monmouth
 Maine, Balsam.
 982 Diatoms from Peileys meadow
 Biddeford Maine. Bal.
 983 Duck Pond Matignon
 Maine Balsam
 984 Diatoms from Clonypfield
 Maine Balsam
 985 Richmond Virginia.
 986 Chalk Pond Albany Maine.

8/2/68

- 93
 987 Diatoms
 contained in a yellow gelatinous
 lump or lumps attached to
 stones & Cladophora in the
 Mucker, Balsam,
 988 Diatoms,
 with Cladophora, V. Balsam
 989 Ephemeræ, good, caught in
 the Autumn, in the Mucker
 in Balsam
 990 Worm, taken in alga & mud
 attached to McDougalls race
 to the wood work — Balsam
 991 Head teeth V. one of the side
 in lida^{! Askigge} Mark is turned one
 way & head (propu) with its tooth
 the other way.
 992 Alga, Encyonema prostratum
 Scizomena, Zonophorena
 V. V. on a bit of Cladophora
 floating attached to the pier
 at the Union Station tossed in
 the waves.

- 15/4/88 993 Alga, conjugated, obtained
in Mr. Wadsworth's flat (Fly)
- 994 Navicula Gibba, attached
to dead Batrachosperma
in Wadsworth's flat, (Balsam)
- 22/4/88 995 Fleas 2 male & female taken
in a cobweb under the ^(Bul) ~~cap~~
- 996 Spiracles on tail end of a
" thick worm in alga attached
to the Dougall head race (Bal)
- 997 2 aquatic worms with
voracious jaws. from the
same head race (Balsam)
- 998 Aphid with white down
" attacked on Beech Twig (Bul)
- " always swaying their tail
" end about. curious. (Bul Balsam)
- 999 Spider, legs & head Balsam
- 1000 Head end? of aquatic worm
Balsam,
- 1001 Wood borer, Balsam
- 6/4/88 1002 Head of spider small with
feathers like on it - seen of
sunny places - Balsam

- 6/4/88 1003 Head & Thorax of spider. Balsam
- 1004 Mouth tongues V: of spiders. (Bal)
- 1005 Tail end & head of aquatic worm
" spiracles like 996 Balsam
- 1006 Aphid, like 998. Balsam
- 7/4/88 1007 Head, teeth lips antennae of
" the common wood borer plus
" tip when the floors were being
" removed. in the Passage 10/4/88. (Bal)
- 1008 Spiders Eyes, separate V: of Bal.
- 1009 " Teeth lips. V: V-
- 17/4/88 1010 Crab like mandibles of a Carabid
" Beetle caught on the track today
" quite black, & Mouth of a large
" white borer from a cotton borer
" wood in Holly's wood. Balsam
- 1011 Stomach, quantities of gastric
" teeth of the above beetle, & the
" anal end of its abdomen 1 a female
- " 1012 Spiracles of a large white
" borer in Cotton borer wood.
- " 1013 Head of a very round yellow borer, in
" Cotton borer wood, mouth of beetle &
" teeth of the white borer

- 17/11/68 1014 Alga, showing the horn spore
 " " dry for winter in Balsam
 " 1015 Red spiders, in a cluster in
 " " water. in Balsam not good
 " 1016 Covering or skin of a spider
 " " upper side, showing plate of
 " " chitine in the middle.
 " 1017 Head & tail skin of cicu-
 " " lar borers.
 " 1018 Spiracles of a large white borer
 " " in rotten ~~Box~~ Wood.
 " 1019 Stomach of same borer
 " 1020 Having bunches of setae or
 " " strong bristles on papilla like
 " " processes -
 " 1021 Spiracles & foot of a black
 " " Beetle & feet of spider
 " " Good clean - Balsam
 " 1022 Maggots & a wood louse
 " 1023 Two very young Leeches? taken
 " " on a bit of wood in the cattle
 " " ground on the G.D.R. not
 " " good for much.

- 2/11/68 1024 ^{See 1036.} Cells as seen in ~~fruit~~ of ~~elder~~
~~transverse~~ ~~fruit~~ ~~dry~~.
 24/11/68 1024 Feet mouth & feet of a large
 " long bodied fly. Balsam
 1025 Sting of a small yellow wasp & head
 " or mouth of an ant.
 1026 Antenna of a male spider
 greatly flattened, or crushed.
 1027 Spiders eyes. an attempt to
 to put them so as to be seen as
 in nature.
 1028 Mandible of black ant & mouth
 " of a large fly (1024)
 1029 Process of a large fly in water
 1030 Mouth & internal organs of some
 fly.
 1031 Jaws of black ant with head
 & tail end of a aquatic worm
 1032 Lips of Antaeus, stained &
 shown in Balsam
 1033 Biliary or caecal processes
 from stomach of Rotaria

21. xij / 68. ~~1062~~ *Drackea* from Pine borer
 showing the perpendicular lines
 of blood cells? or serum cells?
 " 1063. *Dickinsonia spiralis* in gly.
 " Guess me by *istha*.
 " ~~1064~~ Leaf of *Spagnum*? showing
 " very beautiful nucleated cells
 " glycerine.
 30. xij / 68. 1065 From inside a grub a pine
 borer?
 1066 Diatoms on a bit of wood
 1067 in the ditch where runs along
 1068 side the Cedar swamp, contain-
 ing *Synophora*, *Saccharia pu-*
radoxica, *Exillaria* & In
 Impressed Balsam
 1069 The same in Chloro
~~1070~~ balsam.
~~1071~~
~~1072~~
 1073. Tent of cricket. Gaster
 old removed slides. good.

31. xij 68. ~~1074~~ *Muscles* from grub very
 good. Glycerine
 1075. Skin, tracheae, muscle
 of the same gly.
 1076. Skin, tracheae muscle
 &c. of the same gly
 1077 *Fania Knokera* in
 Balsam very pretty
 1078 Snow flea long put up
 & left forgotten. (Balsam)
 1079 Head of fly? in wh. the
 compound eyes show well (B)
 1080 *Pentameris*? ground thin
 'in Balsam, long put up
 1081. A small red Bug put up
 many years ago. Balsam
 It was very numerous on
 the Red currant bushes in
 1867 when we were at J. Den-
 nis' House where I put it up.
 It has been thrown aside
 as useless, but has cleared

- 27/7/69 1105. Worms found floating in
 the ditch in the swamp Jan.⁴
 25. 1869. evidently aerating.
 these have been in spirit & acid.
 then turpentine now Balsam
 Very curious mouths & barrel
 shaped abdomen.
- 1106 *Zomphonema beekleyi*, this
 was taken from a bit of grass
 waving in the water of the Black
 creek at a cattle hole on the
 5th Con. York, close by
 brick house Jan. 27. 1869.
1107. *Zomphonema beekleyi* with
 a few good specimens of *Sphincto-*
toxytes libilis.
- 1108 *Chelifer canaliculatus*, little book
 scorpion taken in the
 books at Mr Beekley's. Is it
 from the books, or from the
 damp house?

- 27/7/69 1109. Stomach & internal setae or
 hairs of a Beetle (Carabean
 black, found under bark of
 an old pine tree. Glycerine
- 1110 Intestine of the same Car-
 bean, showing numerous &
 beautiful Velli. Glycerine.
- 1111 Muscle of the same, parti-
 ally stained. Shows beauti-
 ful wavy bands. The mus-
 cle was put into Carnine in
 one bit & the stain is strong on
 the outside or lips of muscular
 bundles.
- 8/7/69 1112 Velli of intestine in Carabean
 Beetle, hard to get rid of, Balsam
1113. Bipositor of Carabean Beetle
 showing curious structure (balsam)
- 1114 } Seed or son of fern, Pleis
 1115 } long time dried & now in Balsam
 1116 } shows the seeds & V.
- 1117 Larva *Simulium molle*, stained
 in Balsam

- 8/7/69 1118. Larva, *Simulium molestum*
Ephemera, & a young spider (Bal)
1119. Spiracle & proleg of *Xyletus*
Robinia. (Balsam)
1120. Feet, & prolegs, spiracles &
Xyletus robinia. Balsam
- 11/7/69 1121. Larva from the Hummer (B)
- " 1122. Sponge attached to a small
bit of Moss, like an egg (B)
- " 1123. ♂ - ♀. Balsam
- " 1124. ♂ - ♀ - Balsam
- " 1125. Stellate bodies in balsam (B)
- " 1126. } *Cocconeia eyulifera*
~~*Cocconeia*~~ & others
- " 1127. } growing in the outlet of the
- " 1128. } swamp at Hummer Bay (Balsam)
- " 1129. *Tabellaria flocculosa*? on the bottom
- " 1130. on wood at the bottom in the
same outlet.
- ~~1131.~~ } a very small alga. in spore,
- ~~1132.~~ } attached to dead submerged
- ~~1133.~~ } leaves in the Hummer.
- ~~1134.~~

- 11/7/69. ~~1135.~~ Stellate cells Nuphar in Gly.
nicely cleaned by nature.
- ~~1136.~~ Intestine, muscle, & antenna
of a dung beetle. very pretty.
Stained in Glycerine
1137. *Xyletus Robinia*. Internal
structure stained (Gly, good)
- ~~1138.~~
1139. } Internal structures of *Xyletus*
1140. } of *Xyletus Robinia* -
- ~~1141.~~ } stained in Glycerine.
1142. } Internal structures of pine
- ~~1143.~~ } borer, stained in Glycerine
- ~~1144.~~
- ~~1145.~~
- ~~1146.~~
1147. } Larva of *Simulium molestum*
1148. } a number together
1149. } Two with horn glass for obj -
1150. *Clelifer* (*Canceroides*?) found
by Mr. C. F. W. who was bitten
badly by something at night
- ~~1151.~~ Head & parts of an insect
- " very like a woodlouse caught
- " in the Hummer.

- 18th/69 1152 Larva with large mask.
taken in moss in the humbler
ponds Feb. 8: 1869
- 1153 Two Larvae taken in the
humbler, clear eye & hair
on them with hooked tails.
- 1154 Diatoms with very thin
glass for $\frac{1}{8}$.
- 20th/69. 1155 Diatoms from the humbler
taken from below in the bottom
at the Railway bridge today & dried
on the stone Balsam
- " 1156 The same with thin glass
for $\frac{1}{8}$ objection. Balsam
- " ~~1157~~ From scrapings on the side
of the bridge planks Balsam
- " 1158 The same with thin glass/Ba
- " 1159 Seeds v. of *Saracenia per-
janea*. The buds were above
the snow & readily obtained
on the ice.

- 21st/69 1160 Diatoms from the humbler
well washed, & cleaned for
 $\frac{1}{8}$ with thin glass. Balsam
- 1161 D° ~~D°~~ *Gyrogonia*. Balsam
- 23rd/69. 1162 D° thinly spread on large
glass, & from midway in
the liquid with a pipette.
- " 1163 D° on large glass. from
the heavier sediment. (Bal)
- " ~~1164~~. *Simulium molestum* larva
an attempt to ~~kill~~ space
& separate or dissect one (Bal)
- 1165 Diatoms from humbler in
this slide what appears to
be *Gyrogonia angulatum*
shows well, perhaps for night
show dots if dry (Balsam)
- 1166 Diatoms from the swamp. *Meri-
dion orbicularis* -
- 1167 Diatoms from the humbler. *Simu-
rella*, & *Gyrogonia* or *Pleurogonia*

- 3/17/68 1168. Parasites from Rose breasted
 .. Grosbeak, (*Fringillidae ludoviciana*)
 1169. Little Red Spiders. Balsam
 .. Parasites of Rose breasted
 .. Grosbeak with their eggs in
 .. Glycerine.
 1170. *Raphidia viridis*, from the humler
 in Glycerine.
 1171 Parasites of Rose breasted
 Grosbeak: with eggs. Glycerine
 10/21/69 1172. Feathers from crested head of
 Grosbeak, red. dry opaque
 1173. Fern, *Adiantum*? grow-
 ing in a pot in Flemings bot
 house. dry opaque
 1174 The same in Balsam
 1175 Diatoms from humler, with
 stones, sedimentary, rather large
 these remained after straining
 & washing Balsam.
 1176 Meridion obtained yes-
 terday in the Swamp

- 10/27/69 1177 Meridion obtained yesterday
 .. in the swamp, dried & put up.
 1178 Young diatoms looking yel-
 .. lowish coloured on a slip in
 .. the swamp.
 15/4/69 1179. 3 or 4 *Closterium*s from the
 .. cedar swamp (Glycerine)
 1180 } Alga? unicellular or in muc.
 1181 } silage of *Limnathemum lacunosum*
 or like flower? very curious spiro-
 rals. See notes of this date or before.
 & sketch with camera of same date.
 19/11/69 ~~1182~~ } Diatomacea, cleaned, gather
 1183 } ed Mark 11: 69. from the sides
 1184 } of the old boat in the humler
 at the mouth. 1182 shows the two
 views of *Sphaerocapsa laticornis*. All
 three have several *Gyrodinium*s in
 but too clear to be easily seen.
 19/12/69 1185 Hares Foot Fern
 sent out by Louisa. Mr. Hornion
 in a letter to Mr. Hg

- 22nd/7/69 1186. Hares pool fern in Balsam
 1187 Larva, from the humbler
 1188 Larva, " " "
 1189 Diatoms, young, from the cedar
 " Swamp, as they settled in water
 1190 Diatoms young, as above but
 " not washed or disturbed at all
 1191 Diatoms, Meridional very little
 " disturbed; from the Cedar Swamp
 24th/7/69 ~~1192~~ Diatoms, *Diatoma vulgare*
 " with others from the humbler bog
~~1193~~ Diatoms, These have been
 " subject dried & balsam put
 " on, to preserve the way in
 " w^h they become attached &
 " surrounded by an envelope
 " & some filled with little ones
 " all partly lent \approx but very small
 " had been a work in the aquarium
 " & rose to the surface in sun light
 1194) Foreign ferns sent me by Louisa from
 1195) Mrs. Hamiltons Jersey March 24. 1869
 1196) very large

- 26th/7/69 1197 *Gomphonema kenlyi*, from
 a spot in Sam^l. Searletts tail race
 where the water does not freeze.
 1198 The same in all probability,
 but from the Swamp, showing
 how these things are hatched, so to
 speak at this season & in springs
 in the sun light, both were scratched
 off chips or stone, looking a yellow.
 ish brown seecum, with the water trick-
 ling over it about $\frac{1}{2}$ an inch deep
~~1199~~ Bit of cuticle from the humbler
 ponds. on w^h algae have taken
 root, & some are growing, some
 germinating, some in spore &c.
~~1200~~ A curious alga? in the *Gompho-*
numa, taken in M^l. Searletts Mill
 tail race where it does not freeze
 one would be inclined to think
 this was some condition of *Eucyone*
ma, or *Cocconeia* or some other
 diatom, not an alga. See sketch

- 1869
 March, ~~1201~~ (Bits of Cuticle (vegetable) on w^h
~~1202~~) Algae have rooted & are growing
 " or in spore. These must have
 " lain long in the Kumber ^(Pg. 3) ponds
 1203. Protozoa, in the intestinal
 canal of a Rock Bass, found
 lying on the plate of the Kumber
 after a picket. The fish was
 10 in or a foot long. In Hauty fluid.
 Glycerine struck them too much
~~1204~~ The same (in the sauce,
 1205 The same in cblo: Zinc.
 1206 The same Balsam.
 1207. Acari. Two small ones taken
 " from a wood pecker, Red head &
 " white spotted, that stays with us
 " all the winter.
 1208 Papillose coating on leaf
 of a fern,
 showing cell divisions beauti-
 fully. Balsam.

3. 11. 69. 1209. Seeds of Mullain, picked today
 " " growing in a stone wall beside the
 " " River. at Waddsworths. Balsam
 " 1210 Foreign genus, in Balsam
 " 1211 " " " " a very
 " " large variety.
 " 1212 Cuticle of cactus showing
 " " cell growth or form -
 " 1213. Pinnule of Hare's foot fern
 " " in Balsam,
 7. 11. 69. 1214. Diatoma vulgare, collected on
 1215 leaf of Utricularia in the Aqua
 " vivum. The same without ^(Balsam) leaves
~~1216~~ ~~Diatoms~~, Diatoms
 from bit of alga empty & an
 oheria Epithemia &
 12/10/69 ~~1217~~ Diatoms, Epithemia tergida?
 " 1218 These were in a tough white
 " ~~1219~~ scum attached to dead grass
 " on the Railway track today (Bal
 " 1220 Acari from a mouse, short
 tail, thick head, that burrows like a mole

- 20/iv/69 1221) Diatoms from pots in the
 " Humble ponds, allowed to
 " creep through cloth to the light
 1222, The same.
 25/iv/69 ~~1223~~ Alga?, *Dinodyedia* V. in gather-
 " ing from a horse trough on the
 " road with side between pa-
 " rket & Dunder, sent ^{by post} me,
 " from Mr. Odey to see water bears,
 " did not find any. In Hautz
 " fluid revealed immediately.
~~1224~~ The same, in Balsam, show-
 " ing the diatoms V² V²
 " ~~1225~~) *Penetia* *arces*? growing
 " ~~1226~~ in a thin white film on
 1227) the hard way ditches.
 5/iv/69 1228) Diatoms from Humble
 1229) in conjunction curious
 " found floating in the stream
 8/iv/69 ~~1230~~ Alga in conj. found in a
 " ditch on road side between
 " Mr. scarletts & the toll gate, (Gly.)

- 20/iv/69 1232. Diatoms Large fine ones from
 " the Humble
~~1233~~ Diatoms, from sandy cone
 " Lake Sinecoe collected by (W. O.)
 " in 1868.
 1234. Diatoms (The same.) (W. O.)
 " Diatoms from head of Kempusfelt
 " Bay Lake Sinecoe. (W. O.)
 20/iv/69 1235 Quab on a leaf of *Pyrola*
 " *rotundifolia*, found on the
 " trunk of Green deer pond
 4/vi/69 ~~1236~~) *Synhedra* *splendens*, as
 1237) found in ditch from Mr. Eagle's
 1238) to the Humble on left hand side
 10/vi/69 1239. *Galeocbata* *scutata*. found on
 " the North side or dark side of the
 " Aquarium attached to the glass
 " See Haxell & Michx. Dict: in loc (Gly.)
 1240 *Scenedesmus* *quadricaudatus*
 " Hax: & Mich: Dic: in loc. having
 " four about $\frac{1}{2}$ inch apart a little
 " alga & some snails into a high

The rocks on W. Blotts pond Lake
Vice. Township of Dunn.

1257. The same character.

~~1258.~~ Alga, like sea weed

floating in a ditch crossing the Brus-
sels & Mansfield R.R. about a mile
or two below Dunnville. It was
covered at distances apart
with what appear to be single
cells. are they not seeds,
spores or something of that kind

~~1259.~~ Same.

24/11/69

1260 } Diatoms, taken on weeds at
1261 } mouth of Desjardins Canal by
1262 } W. Osler & noted by him
showing among other good diatoms
the Coscinodiscus armatus.

1263 The same day

1264 Do - - - - - very thin plates

1265 Spiders teeth & male antennae.

1266 Diatoms from Triglopa fulva
Surrella (plentiful) W. Osler
1267 From Stygianas W. Osler

1268.

7/10/69

Diatoms from stones on the
Humber the yellow coating so
common on stones. Is it not
young Eucyrtium protractum?
1269. 4/11/69. Seeds of Sentanea fimbriata.
collected at the Humber mouth.

1270

very plentiful
in a patching in the swamp near
side of the ditch. at this date 1/11/69
1271 Seeds of Lobelia cardinalis sent
me today 5/11/69 by Miss Doeken
from the Township of Dunn.

1272.

Upper & lower surfaces of
leaf of Deschampsia scabra: picked
white at W. Osler's, Dunnville.
in September last. put up 5/11/69.

~~1273.~~

Contains several curious
organisms V. stellate bodies
V. in a thick scum on the su-
nshade pond at the Bridge taken
in Oct. 1/69. put up in gly.

glass & left it for 2 months all disappeared but a green residue with excrement of snails. W^h is the above.

~~1241~~ A Noctua with large cells & heads between. In W. Holley's words in the snail.

^{20/7/69} 1242. A gathering from Lachine, Montreal by Arthur. Fragments & many other diatoms &c.

1243. Larva, from the River. Balsam

~~1244~~ Larva Simulium nat. Bal.

1245 Head Cysticicus cel. pig.

Given me by W. Osler - G. G.

1246. Coleocetes scutata (G. G.)

~~1247~~ ^{17/7/69} Exuviae, from the Simulium. These rise to the surface & contain large single diatoms & fine gyrosigma. Exuviae of aquatic larva, the marks show well.

^{1/7/69} ~~1248~~ Exuviae, curious small gyrosigma

~~1249~~ Two. seem to be statohale of something.

1250 Teeth in stomach of Dytiscus Luteus stained in Balsam.

1251. Staronau, two singled out showing structure.

1252 Diatoms V. in serum from Simulium Pond at this date.

^{30/7/69} ~~1253~~ From the Aquarium, a single diatom or two & single hard cased polyzoan

1254] From a gathering taken in the ditch that draws off from a mill pond before you come to Woodridge, on the Road side. They were dried slowly. 1254 has some dried suddenly by the spirit lamp.

^{17/7/69} 1256. Cladophora with Cer. pediculus took upon it. Gathered from

- 9/xj/b9. 1274. Duck of a bog, dry.
 12. 1275. *Batrachospermum vagum*—
 from the Hunter pond & fly
 1276 *Meloseira varians*, taken from
 a small stream south of Carlton
 race course.
 1277 *Zygnema alternatum?* from
 the Hunter bog. dried, show-
 ing position of Diatoms attached
 1278 The same, but not quite
 dried. shows more structure
 of the Alga.
 1279. 2 larva of *Simulium molishii*
 showing that they are just
 alive now.
 1280 ~~*Meloseira varians* & *Synisozya* &c~~
~~*Meloseira varians* like V.~~
~~no 1276~~ accidentally broken
 1281 *Bacillaria?* *Exella?* or
Stoatesia else they may be
 attached to very delicate Alga?
 in the stream w^h gives rise to the
 creek at Sea. Letts. (Edw.)

- 18/xj/b9 1282. Diatoms. showing state
 1283. of al this date in a
 duckee barrel at the
 little house near St. Decu-
 nis. One of the springs
 w^h give rise to the water
 in the dikes in the swamp
 some long cladophora as re-
 sidual on the sides of the tub.
 a kind of *Loxonema* in
 Cong.
 1284. The same, as much in their
 natural condition as possible
 1285 *Meloseira varians* & many
 1286 more diatoms from a little
 stream ~~back~~ south of W. Heales
 at Carlton, see 1280 also.
 1287 } These are diatoms (mud)
 1288 } from Hunter bog. They
 1289 } have been killed & cleaned
 1290 } kept a year in spirits &
 water (clean).

- 22/ix/69 1291 *Saricella* from the falls
Niagara
- 1292 } Diatoms from the sunken
1293 } boat in the summer, well
1294 } dried, but not clean
- 1295 } *Saricella* ^{*hispida* & *gemma*} & other diatoms
1296 } *Sphinctocapsa* (*Cymatopleura*) *elliptica*?
1297. From stomach of a White Fish.
How was the trachea coloured?
- 6/xij/69 1298. These diatoms, ^{*Saricella minuta*} were gathered
as an oily scum on a little ditch
from Mr. Drives forge to the river on
the N. side the road.
8. xij. 69 1299. From mouth of Musk Rat. Showing
1300. ^{also a foreign form from Canada} ~~showing~~ feelers & stained,
1301. ~~showing~~
1302. put in acid, show Balsam.
- ~~1303.~~ *Zygnema* & *Vesiculifera* &
we have been in staining fluid
for two months now show nuclei.
Some rotifers stained.
- ~~1304~~ Shows development of *Pleop*
from Statorlast. *Sly.*

- ~~1305~~ Shows the growth of an alga in
intestines of *Julus tenuis*.
- 1306 Shows the acids of bundles of
muscles & position of ser-
menal matter in the muscle
from fatal rat. *Sly.*
1307. *Hyla arborea* foot, pavement
epithelium on, large nerve &
~~1308~~ Papilla on tongue of (nerves).
1309. Same, Loops of nerves.
~~1310.~~ Nerve separated. *Hyla.*
~~1311.~~ Heart of *Hyla*. showing nerves
1312. *Coleochates scutata*, very good
these grew in the Aquarium.
~~1313.~~ Dostoe showing enlarged
or inflated cells.
- 1314 *Trickia spiralis* (encysted.)
From a subject (on the table) at New York
shows the calcareous deposit. *Sly.*
- 1315 Protozoa? from mucus stomach
of a Rat. Both given me by
Mr. Osler. put up by him. Nov. 1869.

Jan 5. 1870. 1316. *Tenua*. one leaving segment
taken from a Dog. Juice
one by Mr. Osler. Balsam.

11/1/1870. 1317 Balsam } These little didtonus
1318 ^{Dry} }
~~1319~~ ^{Agua: dis:} } were in a scum & in a
brown nucleus in the space spots
unfrozen in the little ditets below
Mr. Ironies stoop. Now & then a
Surirella min: some narrow
& plenty very small. ? are they not
young ones of some sort. Taken in
winter, Jan. 11. 1870. Horse in Balsam
& those dry were thoroughly heated or
burnt on the stone.

1320 }
1321 } ^{Balsam} A gathering from the rapidly flowing
1322 } water of a planked tail race: mill at
1323 } Woodbridge. several varieties.

1324 Cells covering a seed sent me by Cholybon
1325. from Salt Lake city. Very pretty & perfect.
Two varieties.

20/1/70
1326 Same as 1317. B. 19. only left to dry in a saucer
till now. Wrote & scraped off the rag covering.
small ones seem to have disapp'd - others hid in them

24/1/70 1327 Diatomous from the little ditets from
Mr. Ironies to the River (see notes of this
date.) Compare 1398, 1317 V. V. from the

same ditet. Put up & covered then
dried on the stone. Balsam

~~1328~~ The same made thin & dried
before covering.

1329 The same quite thin, & clear.

1330 A little cluster of *Symphonoma*
on a bit of *Drapernaldia*

~~1331~~ One of the little horse buttons, entire
— see notes at this date.

~~1332~~ Same, thinly spread

~~1333~~ }
1334 } ^{Thin Glass - pt for the 8.}
1335 } 1334. scattered, 1335. an old button, 1333 a young one

1336 } ^{Dapomudings, from Smith & Beck -}

1337 } upwards of 2, & 3000 fathoms.

27/1/70
~~1338~~ }
~~1339~~ } The residue after drying for a day
or near $\frac{1}{2}$. 00, on the saucer

~~1340~~ The same but of one of the little buttons

1341. Very young *Cladophora* taken from the
edge of the Aquarium & just covered
& put down (Haut's fluid.)

- 29/7/70 ~~1342~~ } *Gomphonema* V. very good
 1343 }
 :: ~~1344~~ } from a gathering made today near
 the Railway bridge over the outlet
 of Greendale Pond. Taken chiefly
 from a bit of bull rush.
- 29/7/70 ~~1345~~ *Mariculae?* *Gomphonema?* On
 brown threads of *Draparwaldia* &
 other very fine algae, in the little ditch
 from the Middle pond to the Rivin
 near the bridge across it. (Heather bog)
- 7/7/70 1346 Diatoms from an open spot in
 ditch on G.T.R. close to the Blind
 Doll gate below Carlton. ? *Meridina* V. V.?
- 1347 *Senec. ora* *Jania elliptica*
 from a dog given me by Mr. Osler
- 1348 Head of the same. D^o
- 8/7/70 1349. Skin of frog. (skind.) Balsam.
- 1350 a balancee from a fly.
- 10/7/70 1351. Taken from Chapers Creek in
 bright yellow brown buttons on woods
 V. Is it not *Gomphonema* dich.
 to meum? They are growing?

11/7/70 ~~1352~~ From the little buttons in the
 ditch running to the River from W.
 Arries, Is it not *Gom. dichoto:* also?
 These are growing also?

From England

Becks 15/7/70.

- 1353 *Ischnia* marine Diatoms opaque
- 1354 *Polycystina*, opaque } *Paradoes*
 1355 *Polycystina* transparent }
 1356 Wheels of *Chironomus*. marine -
- ~~1357~~ *Amphitetras autoleucivanas*
- 1358 *Biddulphia pulchella*
- 1359 Diatoms (selected)
- 1360 Diatoms, Doone bridge, Ireland.
- 1361 *Dicranatum* savous
- 1362 *Grammatopora marina* (test)
- 1363 *Griffithsia*, alga. Polar:
- 1364 *Callithamnium refractum* (Alga Marine)
- 17/7/70 1365 Coating of seed of Iron wood. curious cells
- ~~1366~~ Part of a house fly. in Glycolic) very
 curious hatched muscle, V²
- 1367 } Diatoms, *Gomphonema* dich: gathered
 1368 } when walking into Donuts with the wally Iker:
 1369 } b. very cold. Just South of the white bridge near
 1370 } Donuts on G.D. Railway through a hole in
 frozen about 6 inches long, snow curled
 over it. - Balsam.

8/iii/70. 1371 *Chelifer*, ? After removing
the wax from a corked bottle of
Champaigne I noticed a minute
pink looking insect with long ^{haunched} arm
like appendages, & dauping my
finger, stopped it & put it into
Acid & Spirit. Champaigne
came from E. Hooper & Co. Fronto.
It must have been either in the
cork or just round the neck of the
bottle between the cork & top of bottle
for all was very closely sealed & tied

21/iii/70 1372. *Pinnularia* in mucus. from
the Hunter.

1373 } Taken generally from a bit of gu

1374 }
1375 } Taken under the bridge in the
field at ~~the~~ Gen: pond. Diatom,
pinnularia sylvatica V.

1376 } Small yellow looking morsels of the
1377 } same. (good).

21/iii/70 1378 } Diatoms, *Cocconeis* Lau: & *Bacillaria*
1379 }
1380 } Taken as bits of mucus on old kiln
1381 } steues V: where the water runs out of
Gen: pond. Some have 8 & 9 *Cocco*:
lying side by side. It is observed
the bow easily the air goes out of
the diatoms when in mucus & bow it
holds in the single ones (See slides from
1372 to 1381. all put up & treated a
like.

1382 } Fathering same as 1373, but through cloth.

1383 } *Pinnularia*, *Stauroneis sylvatica* V.

21/iii/70 1384 Same as 1373. more *Syrrognema*

1385 a *Spirilla*, crushed to pieces I appear
ed to be conjugating: mucus spirit. it

7/iv/70 1386 *Stimantidium* S. & *Exillaria* eur:
sent me by Louisa from England.

From Buckburd Hill W. Epping forest,

22/iv/70 1387. *Vaucheria racemosa*, this shows
the growth, & from W. Hollys pond on
the Railway Gu. D. (Glycerine)

22/IV/70. 1388. Parasites on fins, body &c. of little
fish in my aquarium. They
seem to have a chitinous horse shoe sha-
ped piece inside, & are large brown
looking things with processes of locomotion
& short cilia all round the edges. Gelati-
nous mass destroyed by drying (Bal)



1389. Small diatoms picked by Louisa
at Virginia water, Windsor Park. & sent
in a letter to me.

1390. *Trichinina spiralis*. from man
1391.5 at the Dorset G. H. from Osler. Glycerine.

1392 *Tenebra elliptica* head protruded
from W Osler. Glycerine.

1393. Insects long in spirit. & Glycerine.

1394 Diatoms, *Fraxillaria* & *Meridion*
from Mr Dennis's swamp. Balsam

1395 Scales from under side upper wing
of *Polyphemus molle*. Balsam

1397. ~~Head of male~~
~~*Braconichneumon stagnalis* & larva~~
of Mosquito. Balsam.

1398. 3 fleas from a black squirrel. 2 females
& 1 male. Balsam.

25/IV/70 1399. *Braconichneumon stagnalis* with eggs &
Larva of mosquito. Balsam

1400 Calcareous plates of Star fish -
opaque - from Doffing (England)

1401 *Orthocera arenaria* from Smith
& Beck (England)

27/IV/70 1402 Uleer, from leg bone, tibia J. G. H March
20:1869. Given me by Arthur bone so
soft as to be easily cut with a knife
Referred to Paget in his Pathology

6/June/70 1403. *Echinorhynchus*? from the Catfish.
both male & female. given me by
W. Osler. Glycerine. (See Cottrell)

1404 Four heads of mosquitoes. Balsam

1405. Elytra of a small golden looking
beetle on plants of climbing Con-
volvulus, growing by the Humber
at Mr. G. Howlands.

1406 *Pleuronigra acuminatum* from
England.

1407 Diatoms from Germany

1408 J. G. H. Elbe

- 29/7/70 1409 Grammatopora subterranea from
England.
- 1410 Diatoms from Parley meadow U.S.
- 1411 Epithecia Durgida. from England.
- 14/7/70. 1412. White patches of. ? on Hydro.
phyllum Canadense. N. Holley woods.
June 1870.
- " 1413. Eggs of Polyphemus brought in by Mr
" " " " " batched in the glass.
- " 1414. Eggs of Cuckerswell beauty deposited
" " " " " " " on leaf of rose-honey willow.
- " " " " " " " " " batched in the cell.
- 1415 Mouth of ~~large~~ ^{fly} ~~that~~
" makes the warbles ~~in~~ ^{the} cattle
" ~~at the shoulders?~~
- 1416 Mouths, stings, lancets, flees
V. Deer fly,
1417. Densae from a Pickeral,
skins are well preserved.
- 1418 Stomachs calcitrans, mouths of Cattle
killed by them. They were very numerous
this summer, in sunny places.

- 17/7/70 1419. 2 Chelifer Kaueroides.
- 1420 2 Mosquito mouths, or Proboscis.
1421. Scales of a moth in the Chapel today.
1422. Statoblasts of Plumatella mag
" nifica good in Glycerine
- 30/7/70 1423 Larval forms of some kind of
" tracheal insect in the Humber
" in Gly?
- 1424) Same as 1423. dried & in
1425) Balsam.
1426. A curious Desmid.? four
together found in a specimen
of S found.
1427. Gladiophora from the Humber
pond outlet with Euphorbia.
- 1428 Seeds of Geeticiana fimbriata
& Guiliaca. both gathered
the same day, walking with May to
Cullton Church Sunday Oct. 16th 1870.
The winged or feathered seed is Gei:
fimbriata, the smooth round one
is Gu.

15. 7. 71 Leg bone of a swan, 1429
 1430. Leg bone of a crane, Kern, or Kern
 shot Sep. 28. 1867. Note these two
 are ground on glass with pumice stone
 wetted & put up with balsam. See *Field's*
Journal Microscopical science.
4. 11. 71 1401 A Fern seal to me from Nevils
 W. J. by Dr. Torrill.
 (2669)
 26. 11. 79 1432. Winter gathering, diatoms, from
 the barrell at Dennis' swamp
 1433 D. on G. D. R. Railway near the
 white bridges
 1434 D. from the old place at the
 Shuckler Ponds. (Grenadier's outlet)
14. 11. 71 1435. *Acarus* from Squinell, showing
 attachment to the skin of the Squinell
 In this specimen begin acid & after
 the large sack is removed. A piece of
 skin retained where it is attached to Squinell
29. 11. 71 1436. A molar tooth: human? found
 on the ground; a first tooth pushed
 out by another. *Traversine.*

11. 11. 71. 1437. *Digonocysta orbicularis? tricornis*
 see Russell plate LXXXIV. I found
 these today at the white bridges on the
 G. D. Railway, while walking out from
 town. They were in a little scum w^{ch} I
 put in a bit of paper. See sketch of this
 date to show the different forms.
15. 11. 71. 1438 *Diatoma vulgare*, very much dried
 & put in balsam & benzine.
 1439 Two slides of diatoms, chiefly
 1440 *Cocconeis lauciolatum*, & the like,
 congregating: from the Shuckler ponds
22. 1. 71 1441. *Acarus* of an Orole, probably
 the Orchard Orole.
24. 1. 71 1442. *Limothia arcus*, or *Epitithenia turpida*.
 these were taken with up the stream w^{ch}
 runs into the Grenadier ponds on the W.
1. 2. 71. 1443 Insect trace?
 taken at the Shuckler ponds bridge
 in large quantities now. See fly with
 it

15.7.71 Leg bone of a swan, 1429

1430. Leg bone of a crane, Heron, or Heron
shot Sep. 28. 1867. Note these two
are ground on glass with pumice stone
washed & put up with balsam. See *Journal*
Microscopical Science.

4.11.71 1401 A Fern seal to me from Nevris
Mr. J. by Dr. Cornall.

(267)
26.11.71 1432. Winter gathering, diatoms, from
the barrell at St Dennis' swamp

1433 D. on G.D. R. Railway near the
white bridges

1434 D. from the old place at the
Humber Ponds. (Grenadier outlet)

14.11.71 1435. *Acanus* from Squinnell, showing
attachment to the skin of the Squinnell
In this specimen by in acid & aff.
the large sack is removed & piece of
skin retained where it is attached to Squinnell

29.4.71 1436. A molar tooth: human? found
on the ground: a first tooth pushed
out by another. *Traversine*.

11.11.71. 1437. *Trigonocypta orbicularis? tricornis*
see Russell plate LXXXII. I found
these today at the white bridges on the
G.D. Railway while walking out from
town. They were in a little scum w^{ch} I
put in a bit of paper. See sketch of this
date to show the different forms.

15.11.71. 1438 *Diatoma vulgare*, very much dried
& put in balsam & benzine.

1439 Two slides of diatoms, obliquely

1440 *Cocconeis: lanceolatus*, & the like,
conjugating: from the Humber ponds

22.11.71 1441. *Acanus* of an Oreole, probably
the Orchard Oreole.

24.11.71 1442. *Limotha arcus*, or *Epitithemia turpida*.
these were taken well up the stream w^{ch}
runs into the Grenadier ponds on the W.

10.12.71. 1443 *Insect wease?*
taken at the Humber ponds (bridge)
in large quantities now. See fly with
it

- 19.x.21 1444 Aqualis Larva of Libellulidae
Tracheae beautifully displayed,
Taken with Arthur at the little
bridge at Cascade Pond.
- " 1445. Diatoms taken as above
- " 1446. Egg shells, of what I supposed
to be *Simulium molestum*? Some
eggs hatching, some hatched. Insects
in millions on stones, sticks & leaves.
Same place & date.
- 28.x.71. 1447 } Diatoms from the Summit Pond
1448 } outlet. Are these young ones of
Cocconeis laucolatum? They were
taken from the same place & same
words w^h are covered in the months
of Feb! & March.
1449. Young of *Aphis*, w^h bit on *Cubus*
found at the door
- 30.V.72 1450 *Urtica* a nettle from
Cuba given me by the gardener
at Shaw's Botanical Gardens
St Louis Missouri U.S.


- 30.V.72. 1451 Three ferns from Shaw's Gardens
.. at St Louis. picked there May 18: 1872.
- " 1452 ^{Fern} ~~Scale of Butter Fish from Fort Williams~~
- " 1453 ^{Fern} ~~*Charifer laucoides* (good.)~~
- " 1454 & 5 Sections long. & Kraus. common
^{Root}
- " " Blood, ^{Fern} *Sanguinaria*. Shewing the coloring.
- " 1456 & 1457. ^{Fern} ~~*Cladophora* & minute alga from~~
- " " ^{Fern} ~~Chicago, Lake Michigan.~~
- 16.VI.72 1458. Gastric test from *Elator oculatus*
.. in Balsam.
- " 1459. ^{Fern} ~~Stomach of *Julus terrestris*, Balsam~~
- " 1460. Worms from *Julus ter.* Glycerine.
- " 1461 Stomach of a Caribbean beetle, (black) Bal
- " 1462 Mouth & wing of a very small bee.
- " " bright green. wing booklet. Balsam
- " 1463 *Meridium orbiculare*, taken in
.. " the swamp June 22^d 1872 (good).
- 1.VII.72. 1464 ^{Fern} *Dactyloctenium aegyptium*? sent me by
W. G. S. from Lake Killarney of rather Kill
Larney Harbour. See ^{family} ~~family~~, plate XCIV, p 110
(similar to No 1389 ^{family} ~~family~~ says, very
"variable." & to No 139. (quid vife")
all showing growths.

- 15.7.71 Leg bone of a swan, 1429
 1430. Leg bone of a crane, Aern, or Aern
 shot Sep. 28. 1867. Note These two
 are ground on glass with pumice stone
 wetted & put up with balsam. See Quin
Journal microscopical sciences.
- 4.11.71 1401 A Fern seal to me from Nevil
 Mr. J. by Dr. Torvell.
 (267)
 26.11.71 1432. Winter gathering, diatoms, from
 the barrell at St Dennis' swamp
 1433 D. on G. D. R. Railway near the
 white bridges
 1434 D. from the old place at the
 Sumner Ponds. (Grenadier outlet)
- 14.11.71 1435. Acanus from Squinell, showing
 attachment to the skin of the Squinell
 In this specimen by in acid & aff.
 the large sack is removed & piece of
 skin retained where it is attached to Squ
 29.4.71 1436. A molar tooth: human? found
 on the ground; a fish tooth pushed
 out by another. Transverse.

- 11.11.71. 1437. *Trigonocypris orbicularis?* *tricornis*
 see Sanell plate LXXXIV. I found
 these today at the white bridges on the
 G. D. Railway, while walking out from
 town. They were in a little scum wh I
 put in a bit of paper. See sketch of this
 date to show the different forms.
- 15.11.71. 1438 *Diatoma vulgare*, very much dried
 & put in balsam & benzine.
 1439 Two slides of diatoms, chiefly
 1440 *Cocconeis lauciolata*, & the like,
 congregating: from the Sumner ponds
- 22.11.71 1441. Acanus of an Oreole, probably
 the Orchard Oreole.
- 24.11.71 1442. *Limotha arcus*, or *Epitithenia turpida*.
 these were taken with up the stream wh
 runs into the Grenadier ponds on the W.
- 1.12.71. 1443 Insect case?
 taken at the Sumner ponds (bridge)
 in large quantities now. See fly with
 it

- 19.x.21 1444 Aqualia Larva of Libellulidae
 Tracheae beautifully displayed.
 Taken with Arthur at the little
 bridge at Grenadier Pond.
- " 1445. Diatoms taken as above
- " 1446. Egg shells, of what I supposed
 to be *Simulium molestum*? Some
 eggs hatching, some hatched. Insects
 in millions on stones, sticks & leaves.
 same place & date.
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 1448 } outlet. Are these young ones of
Cocconeis laucolatum? They were
 taken from the same place & same
 weeds w^h are covered in the month
 of Feb! & March.
1449. Young of *Aphis*, w^h bit on *Cuscuta*
 found at the door
- SAT. 72. 1450 Urtica a nettle from
 Cuba given me by the gardener
 at Shaw's Botanical Gardens
 St Louis Missouri U.S.

- SAT. 72. 1451 Three ferns from Shaw's Gardens
 .. at St Louis. picked there May 18. 1872.
- " 1452 ~~Scale of Butter Fish from Fort Williams~~
~~Fern~~
- " 1453 ~~Chelifer lauroides~~ (good.)
- " 1454 & 5 Sections long. & Kraus. concave
 Root
- " .. Blood. *Sanguinaria*. Shewing the Colouring.
- " 1456 & 1457. ~~Cladophora & minute alga from~~
~~Fern~~
 .. Chicago, Lake Michigan.
- S. 7. 72. 1458. Gastric teeth from *Elator oculatus*
 .. in Balsam.
- " 1459. ~~Stomach of *Julus terrestris*, Balsam~~
~~Fern~~
- " 1460. Worms from *Julus ter.* Glycerine.
- " 1461 Stomach of a Caribbean beetle, (black) w^h had
- " 1462 Mouth & wing of a very small bee.
- " .. bright green. wing booklet. Balsam
- " 1463 *Meridium articularis*, taken in
 .. the swamp June 22^d 1872 (good).
1. VII. 72. 1464 ~~*Taxellaria floccosum*? sent me by~~
~~Fern~~
 W. J. Ober from Lake Michigan of rather Kil
 lary Harbour. See ^{Hand} ~~Hand~~, Plate XCIV, p. 110
 (similar to No 1389) ~~Hand~~ says, very
 "variable." & to No 1139. (quid vife)
 all showing spores.

2. VII. 72 1465 Diatomis & Alga from a lake
in Caledon Jimmy brought it.
8. VII. 72 1466. ~~Eggs of the large Brown Spider?~~
~~Bugs hatched & re-hatched.~~
~~"Caenus tristes" see Harris p. 194.~~
21. VII. 72 1467. Diatomis from Nepigon
sent me by C. F. Miles
somewhere at the N. W. end of Lake
Superior. Contain a strange
Cocoon? Strange to me 
Is it not Eucyonema paradoxium?
5. IX. 72. 1468 Antenna of male spider
good in balsam.
5. X. 72. 1469 Loculicidal eggs on a fern
leaf picked by Magsy in Hollies
woods Oct. 5: 1872. Sunday afternoon
5. X. 72. 1470 Fern, picked in W
Hollies woods. as 1469.
11. XII. 72 1471 to 1485 These are ferns mostly from
England at odd times, some
Canadiana from Hudson Bay.

13. VII. 72. 1486. End of the seeds of
picked on E. Sear-
lets farm in winter.
- 1487 Diatomis from Coriaceous Algae
an exchange by Arthur.
15. J. 73. 1488, Insects in a book. In the first
" page of Carpenter's Comparative
" Physiology. This naturally cold
" weather seems a strange time for
" them to be about. Unknown to me
" at this date, except by sight.
- * This stellate form, which is found
so plentiful in nature, collection
is from the seeds of the Mullain
collected about Oct 1st succ. 1873.

1028/61/2

Miss Melham,

CUS417/61.2

Trin Coll.

Nov 27 66

Dear Willie,

I am very sorry to hear that you are so ill. I never heard anything about it till just now, when Johnson in the coolest manner possible tells me that you are seriously ill, I don't know whether to believe him or not but I think I must for this very likely will account for your not writing to me. I do hope and trust however that it will not be very serious. I hear that you are going to Oakville as soon as your school breaks up. Wont we have a glorious time? I did wish, and fully intended to ask you to come and stay with us a short time at Xmas

but Gemme has anticipated me,
any way it will be all right
for I dont intend him to
monopolise you altogether
although Mr. says he will,
we'll see about that.

I can promise you plenty
of good shooting, for there are
lots of Quail, partridges and
rabbits to be found, but this
is not half! there are a great
many other things to be considered.
I dont think we will have an
examination this evening and so
I will be able to get away sooner
I only hope you wont be gone
before I get home. I am
getting on very well, altho'
I am not working as hard as
I ought to. I find it very hard
on account of the rows that take
place nearly every night, as
soon as the fellows get thro'
their lectures, they adjourn

to some of the second year mens rooms
and after drinking, singing and
smoking, proceed to the doors of the
Chapel and there have a regulation
huc-doron, I hardly approve of the
place they have chosen, for I
do not think it quite right.
They will be pretty well quieted down
by the end of next term because
the June exam, will then soon be
coming on, and they will have to
work hard. I hope you will take a
scholarship when you come up, I
am sure you will if you work
hard and steadily. Nannie is very
sick I dont know what it is, but
I suppose fever and agur as usual.
I wont ask you to write to us, not
because that I wouldnt be overjoyed
to hear from you, but because it
might give you a great deal of
trouble and keep you from getting
better sooner. Dont dare leave
Castillo without my seeing you.

Believe me Dear Zillah

Ever your most affec-
tioned friend
W.D.

1028/61/3

CVS 417/61.3

From Edw. J. Milburn

(To W.O. from Edward Milburn)

Trin Coll.

Nov 27 66

Dear Willie,

I am very sorry to hear that you are so ill, I never heard anything about it till just now, when Johnson in the coolest manner possible tells me that you are seriously ill, I dont know whether to believe him or not but I think I must for this very likely will account for your not writing to me. I do hope and trust however that it will not be very serious. I hear that you are going to Oakville as soon as your School breaks up. Wont we have a glorious time? I did wish, and fully intended to ask you to come and stay with me a short time at Xmas but Jimmie has anticipated me; any way it will be all right for I dont intend him to monopolise you altogether although he says he will, we'll see about that.

I can promise you plenty of good shooting, for there are lots of Quail, partridges and rabbits to be found; but this is not half, there are a great many other things to be considered. I dont think we will have an examination this Xmas and so I will be able to get away sooner I only hope you wont be gone before I get home. I am getting on very well, altho' I am not working as hard as I ought to. I find it very hard on account of the rows that take place nearly every night, as soon as the fellows get thro' their lectures they adjourn to some of the second year men's rooms and after drinking, Singing and smoking, proceed to the doors of the Chapel and there have a regular hoe-down, I hardly approve of the place they have chosen, for I do not think it quite right. They will be pretty well quieted down by the end of next term because the June exam, will then soon be coming on and they will have to work hard. I hope you will take a Scholarship when you come up, I am sure you will if you work hard and steadily. Jemie is very sick I dont know what it is, but I suppose fever and ague as usual. I wont ask you to write to me, not that I wouldnt be overjoyed to hear from you, but because it might give you a great deal of trouble and keep you from getting better sooner. Dont dare to leave Oakville without my Seeing you.

Believe me dear Willie

ever your most affect

friend Ned.

1028/614

CVS417/61.4

(Miss Osler)

Osler,
Fremont

1. In the letter of May 25, 1867, to whom does "Mammy Muff, that wicked spider" refer?

In my sister Mrs Francis, taken, of course, from the story of the Three Bears. She was very motherly, a comfortable person, & there was always a Lucy Cab. ~~near~~ She was a winsome attractive woman & the young medical students used to gather at her hospitable house as if they were nephews. -

~~1028/61/5~~

CUS417/61.5

From TRINITY UNIVERSITY REVIEW. Jubilee Number. Toronto, June 23, 1902, xv, 109.

Trinity College School.

"Beati Mundo Corde." Ah, what recollections the old school motto brings to the minds of all its children! To those of us who first tasted the joys and sorrows of the early boarding-school days, the familiar Latin words stir up in our hearts that love for our Alma Mater which all true and loyal sons should have for a mother, and which all T.C.S. boys proudly boast, is and always shall be, a part of their lives. The joys and sorrows! Yea, verily, they were many. What fun we had with the hare and hound runs; the trips for wild flowers to Dennis' swamp; the cricket and football matches; the steeplechases; the fights with the village boys, and the hammerings we used to give one another with foils, single sticks and boxing-gloves. And alas! alas! those sorrowful Sunday mornings when some one would hammer us and we dare not hit back. "Heu nos infelices," which, being interpreted, signified "Vae Cruribus nostris," when the swish of the cane would be heard and felt, too, by many an unfortunate one. Has any old Weston boy ever forgotten,

"As in praesenti perfectum format in avi?"

How many hundred times have we not written those words for impositions! Surely our joys were tempered by sorrows. * * * P. PERRY.

Still June
No M.e. M.

1028/61/6

CU5417/61.6 1866

Feb. 17. 1921

CHEDINGTON RECTORY,
MISTERTON, SOM.

Dear Dr. Cushing

My efforts to get any information from Dr. Peston - King (of Bath) have failed and old Mr. G. A. Ditchfield who was Mathematical Master under Bradsey at Weston Compton can remember anything. I think I may have mentioned to you that he is still living in Hampstead in the North of London. With reference to your other question of Books used - I only remember the French Grammar (Grammaire des Grammaires) as taught by Prof. Peruch a Frenchman

Morrill's English Grammar and

ORATORY
MISTERTON SOU.

a Book on Old Testament History the
"Chosen People" and the Church Catechism.

We were taught Virgil to heart and
learn by heart and I think Fred

Hellawell a boy from St Catharines ^{who}
he died just after leaving school
could recite five hundred lines

or more beginning "Arise our Virgine Queen"

In those days learning useless
stuff by heart was presumably

a good foundation. In leaving
an endless impression on the mind

As to understanding what we
learned was quite a different matter.

I don't think any one worried
about that part of it. But if

You could not say you duly
appointed task - you usually &
Dunay invariably had to pay
for your idleness.

Have you seen Mr Campbell

Toronto - Son of a stock Broker of my
day - he might remember a good
deal - he was as a boy given
to writing poems about the school
I think his name was Henry (?)

Yours very sincerely

J. B. Johnson

Callie Mearns
Gwyn

1028/61/7

9

CUS417/61.7

Dundas, Mar. 2nd. /66

9 pages missing from 49

My very dear Willie

My scrap of a note enclosed in Papa's to Mr. Johnson crossed your last which thing is always a matter of provocation in the way of letterwriting though not of great consequence in this instance.

I fancy the first thing you wish to know is about the Music and after all the Pros and Cons we have decided that you may take the first quarter as a trial, you will then see whether you have really time enough for it or like it enough to persevere through the up-hill work which you may expect to find it for a time. Will you have any opportunity of practicing or be dependent on the weekly lessons of an hour? If so you must not expect to make very rapid progress. By this time I dare say you are in good working order in the school routine and are going on steadily with your studies able to rise early without great effort and doing whatsoever your hand findeth to do heartily as unto the Lord I should rejoice to hope; and do not forget the good old Mr. Hainsel's advice which also is the God inspired advice of the wisest Man, none go wrong who follow it in case you should have allowed it to slip your memory I may as well write it-- "Remember now thy Creator in the days of thy youth."

There have been two grand Concerts this week one at Ancaster on Tuesday evening to assist in raising funds for the New Chancel, the other at Flambro to help get an Organ--both were very successful, that at Ancaster was stylish beyond anything before in Ancaster and a splendid supper was much patronized after Papa drove Mrs. Bab. and the girls up there and took me to Flambro last night so we have had enough of Music for the time. Dundas still looks pretty much as dull as ever. Crosslands are moving to Port Dover to carry on the Woolen Mill there while Brown remains here with Mr. Pitts who is carrying on this establishment he is going to live in Crosslands house. I've heard that Nanny Atkins is engaged to Dick Hatt, and I believe that one of the Milnes and Mr. Whitcomb are to be married next week, this is all my stock of news which thing I am not a good hand at gathering generally or distributing particularly.

Papa I dare say will be at Weston next week and then will give you the V for the quarters music if it is still your mind to learn. Ellen and Charlotte unite with me in best love.

Ever your loving Mother
Ellen Osler

EPID. 17.

1028/61/8

CUS417/61.8

Dundas May 30th. 1866

M

My dear Willie

When I tell you that we are without the shadow of a girl in the house to do the work, that Ellen Mary is very poorly so that Charlotte and I have it all to do, you will not wonder that I have not written since my return home. Papa was away all last week at Barrie, Mono, and he saw many old faces and the old home^{xxx} to which Mr. and Mrs. Dairson had only gone the day before so that it was all in confusion and did not look to advantage. Edmund was down on the 24th and BB and Carrie have since then been to Toronto they will (all well) be moving into their house next week. We heard today from Lloydtown, Aunt, Uncle, and Miss Gertrude are going to drive down here next week they go to Bolton then on to Milton and from thence to Dundas which they expect to reach by dinner time on Tuesday.^{xxx} Aunt will remain till the end of the following week most likely--it is to be hoped that we may have a servant before they come and that E M will be better. Charlotte bids me tell you that she will write as soon as she can and I shall leave it for her to give you any general news--except I may as well tell you that Edmund heard from Frank his letter was dated the 22nd. they had not sailed then from Provincetown, having been detained in repairing the ship which caught fire one night already without having positively been to sea he seems to have had enough of it--perhaps he has written to you all about it.

→

Papa had your letter a day or two ago and will probably write to you soon and as well to Mr. Badgeley about your remaining another year at school. And now my dear boy let me have a little serious chat with you about entering the Church which you say you have made up your mind to do. My first impulse was to thank God that he had heard my prayer and inclined one of my six boys to make choice of that as his path in life. It is a matter not to be decided on hastily any more than is any other profession--take your time for consideration and above all search your heart for the motives inducing your decision, for remember that God always judges of us by our motives while man can only judge of our actions. If you ask of God he will give you wisdom and guide you in the right path and without His guidance in all things we are sure to err. I am quite sure that if you do seriously and in earnest desire to be fitted for the service of God in His Church Papa will do all he can to help you forward by giving you a liberal education and both of us will bid you God speed. I do always beg of God to keep you from evil and lead you to all things profitable for your salvation. I send you a volume of good advice which was given many years ago by a good man to his son at Shrewsbury School it is good for boys in all ages and at all schools read it carefully and follow it fully and in the Book of Proverbs which the wisest of fathers wrote for the benefit of his son and which is meant for you as well as for him you will find far better advice than I can give. May God incline your heart to love and serve Him through His beloved Son is the prayer of your loving Mother

Ellen Osler

I see your name flourishing in the Games of Monday, it was a bad day nevertheless I hope you all enjoyed the fun.

47
EPID
~~EPID~~
~~XXXX~~
A

My dear Willie I must just scribble a line to tell you how proud we all were to see "Osler 1st." so many times in the paper today and I was so sorry to see the rain yesterday but it does not seem to have made much difference; we hope to have a long account of the day's proceeding from you soon the notice in the Leader was very short. You will have a long letter from me as soon as I can find time for such a proceeding.

Bye-bye

1028/61/9

15

CUS417/61.9

June 22nd. 1866

My dear Willie

I know you will be on the lookout for the last week for my letter which I promised through Charlotte to send you with the Dines enclosed but really I have had no time to write till now nor have I had a note till yesterday.

Aunt, Uncle, and Gertrude came down by Boat on Tuesday week last, Uncle remained a couple of days, Aunt and little G. went back yesterday.

All the time they were here Ellen Mary was and still is in her room too poorly to come down stairs, and so she has been for the last five weeks or more but I hope that she is improving now, though slowly. Our Domestic is not the best so that from early till late I find more than enough to keep me busy which may account for my not writing before. I depend on Charlotte for having sent you all the floating news in her letter. We have had no further tidings of Frank, poor boy I often think of him-- a wanderer on the ocean, and pray that God will watch over and keep him from evil. Papa will endeavour through Joe Wright to find out the ship owners so that we may keep the progress of the vessel in view.

Edward has gone today to Galt to play a cricket match, he is going to Toronto to read up with Penn and I hope with more success than before. In another month I suppose you will be coming home I do not remember the exact time in July that you break up but it will soon come round now that June is so nearly gone.

Papa will write soon to Mr. Johnson I must then make up for this hurried scrap by adding a few lines, meantime believe me

Your ever loving Mother
Ellen Osler

*Aunt - Mrs Henry Osler & Lydia
Uncle
Gertrude - their daughter*

1028/61/10

CUS417/61.10

The Leader.

April 9th 1866.

Alleged misconduct of school boys.

A serious charge of misconduct and assault has been brought against a number of the boys attending the Trinity college grammar school at Weston, and will to-day be investigated at the court house of this city by Alcorn J.P. of Yorkville and other magistrates.

The complainant is Mrs. Denham who manages the boarding department of the school and who charges that on the 29th. ulto. the boys broke into her room, ransacked the house, smashes the windows, pelted her with snowballs, and committed other acts of a character which she calls outrageous. She says that no reason was given for this conduct, and that the motive is unknown to her.

There is a full account given but as I was in on Saturday I was forced to leave at 1 PM.

Johnson's testimony shows that the old woman was living there rent free, refused to leave, even after many requests. No doubt she earned her keep but her room was asked for and the boys did the school a good turn.

"An observer" in the Globe criticizes the authorities for backing up the boys in their assault on an old woman.

1028/61/4

CVS417/61.11

From his mother

Dundas April 19th. 1866

My dear Willie

I heard from Hennie that you had been there on your way to Lloydtown and I suppose that you will be journeying back to school again this week. I meant to have written yesterday and enclosed some more money but the Boulthees were here at dinner and I could not find time. I do not know exactly when the school re-opens but hope you will not be behind the right time in returning. It was an unfortunate affair that of all you boys being brought into public notice in such a disreputable manner and although I do not think it was meant to be more than a mere school boy freak, such things often tell against a person long after, and I hear many say they think it will injure the reputation of the school. We are told to do unto others as we would wish them to do unto us and if we only followed this golden rule we should be more careful not only in our outward actions to others but of our thoughts and words. We heard from Mr. Badgely the same day we had your letter last week telling us of the matter, and since then we have had the school report which on the whole was satisfactory. Could you only know my dear boy how earnestly my heart longs to see you walking in the paths of holiness you would I think strive to do well but there is One who loves you with a love far stronger than mine who gave Himself to die for you. He is "the Way, the Truth, and the Life" in Him and only in Him is true peace and happiness to be found.

This warm weather is making everything start into fresh life, we have begun gardening in earnest. Papa is up every morning early at work, the things in the hotbed are growing beautifully.

Let us know about the things you get at Walkers if they suit etc. Your sisters send their love and believe me

Your ever loving Mother
Ellen Osler

Enclosed you will find \$2 and a stamp

EPID. 22 A

CUS 417/61.12

Frank Darling was at Weston

Sending Frank architect in Toronto scheme
all about W.D.,

Must see him. J.C.

1028/61/12

1028/61/13

CUS417/61.13

(Maggie Johnson)
Mr. Chas. Miles

Dr Johnsons daughter is born
in Toronto now - very promising

Johnson had ⁵ children James

the Rev

Hattie

Annie in England

Tottie died

~~1028/61/14~~ CUS417/61.14

Miss Barnett says

Birds used to go out every
Saturday to winter.

Edeu Odes also.

COS417/61.15

Curios transitions there. W.A. Johnson had received a
small amount of medicine at Jays' hospital before entering the
ministry. Borell a physician finally took over Remy's.
Johnson's son who took a medical degree of practice in
London in his later years took over. William Odes under
these influences destined for the church was drawn away
from it and toward medicine.

5/19/801

DR. NORMAN B. GWYN
48 BLOOR ST. EAST
TORONTO

1028/61/16

CUS417/61.16

CONSULTATION BY APPOINTMENT

3 TO 5 P.M.

November 12th 1920.

My Dear Harvey

The Toronto "Globe" of

April 8th
April 9th } 1866
April 11th
April 13th }

contain a full account of the whole affair, the Globe itself has nothing on file and the first note of April the 8th is oddly enough missing from the folder I found amongst the ruins in another newspaper office, there had been a fire and I was assured that no files of the Leader had been spared, however in the heap of damaged folders turned up the above mentioned Globe. Do you want the Photos~~at~~? the whole affair is very long, a county court suit by Denham the son of the housekeeper or the woman occupying the house in Weston used as a dormitory for the extra boys, evidently the result of long continued illfeeling against the old lady who was however occupying the rooms free of charge.

a paper
the TORONTO
preceding
MAIL.

April 9 " School row at Weston-pupils turned outlaws- they fumigate the matron with sulphur.

As announced yesterday the case of assault committed on a Mrs. Denham by a number of youths of the Trinity College Grammar School came off yesterday in the county council chamber.

DR. NORMAN B. GWYN
48 BLOOR ST. EAST
TORONTO

1028/61/17
msd
April 25th 1920.

CUS417/61.17
CONSULTATION BY APPOINTMENT
3 TO 5 P.M.

Dear Harvey

Your letter of 23/4/1920. received, I have excellent photos of Johnson and Bovell, and many other details of interest which may be of service to you.

I had better make a list of people and things who and which are consultable and forward you or keep here for the time when we go visiting all the old spots, there are many interesting conditions, Bovell was physician to the boy's school, he was Professor of physiology and chemistry, lecturer in natural theology, and uncle must have been under his influence for some years. A visitor to the school and examiner there, was a professor Ambery, classics, but we find him offering a prize for the best collection of geological or entomological specimens, the staff of Trinity university were visitors to this school which was a nursery, so to speak, for the divinity faculty; I am wondering to-day as a result of a visit to Trinity just how far we are correct in assuming that uncle studied in divinity, he was an undergraduate in arts of course, and needed three years there to complete requirements necessary to begin theological training, **he** was also under the required age of twenty one.

According to the old Trinity calendar the Toronto School of Medicine was recognized and students of this institution took their degrees at Trinity.

1028/61/18

Form 2606

WESTERN UNION CABLEGRAM



NEWCOMB CARLTON, PRESIDENT

GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

Received at

113 MASS. AVENUE BOSTON PHONE MAIN LINE 1133
8028

12 FY WT 15

ROMA

10

DR CUSHING

HARVARD MEDICAL SCHOOL BOSTON MASS

BEST WISHES TO YOU ALL AND HORRAX

BASTIANELLES

JAN 2 1921

1010 A

Handwritten notes and scribbles in the left margin, including "1028/61/18" and "113" written vertically.

Handwritten notes and scribbles in the bottom center margin, including "1028/61/18" and "113" written vertically.

WESTERN UNION CABLEGRAM

NEWCOMB CARLTON, PRESIDENT GEORGE W. E. ATKINS, FIRST VICE-PRESIDENT

Received at

AVENUE BOSTON PHONE MAIN 1234

IS BY WIRE

ROMA

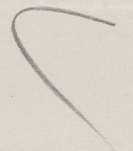
HARVARD MEDICAL SCHOOL BOSTON MASS

BEST WISHES TO YOU ALL AND HORRAX

BASTIANELLES

JAN 5 1951

1010 A



Unit ~~to~~ more of the good kinds
up for me

Cancelled page?

May 20 1966

Note that he was the Cancellation Page

CUS417/61.18

no 1966

by

Spill up
water
- walking for me

DR. NORMAN B. GWYN
48 BLOOR ST. EAST
TORONTO

1028/61/19
Feb. 13th 1921.

CUS417/61.19
CONSULTATION BY APPOINTMENT
3 TO 5 P.M.

1866

Dear Harvey

Nona's letter is in my hands to-day. You may remember the Trinity university calendar which I had on hand for you last year, in it were bound a few Weston School circular-calendars as well, 1866 does not appear but it is probable that the Trinity college school Port Hope may have some old ones of that date showing uncle's name as having received the prize for that year.

I have a very good photograph of a page showing two interesting details, one, what you want, the Chancellor's prize, the other some thing indicating the broad gage of some of that little group of teachers, viz- a prize offered for the best entomological collection by the professor of Classics.

" THE CHANCELLOR'S PRIZE WILL BE AWARDED TO THE HEAD BOY OF THE SCHOOL ACCORDING^{to} THE RESULT OF THE MID-SUMMER EXAMINATION."

The chancellor would be the chancellor of Trinity University.

The honorable J.H. Cameron, Q.C. (Queen's Counsel). D.C.L.
he was one of the governing body of the Weston School, an ex-officio one.

I will look up the Leader for you some day this week.

Dr. Norman B. Gwyn

DR. GWYN

I have a very good knowledge of a person, being too late to
details, and you want, the Chancellor's prize, the
some that indicate the good work of some of that kind of
one of the best, but a prize offered for the best
collection of the professor of Classics.
The Chancellor's prize will be awarded to the man who
ACCORDING TO THE NEWS IN THE FIVE-MINUTE EXAMINATION.
The Chancellor would be the president of Trinity University.
The Chancellor, J. H. Cameron, B.S. (Cassidy's Council), D.D.,
he was named the governing body of the Weston School, an ex-officio one.

DR. NORMAN B. GWYN
48 BLOOR ST. EAST
TORONTO

1028/61/20
Feb. 25th 1921

CUS 417/61.20
CONSULTATION BY APPOINTMENT
3 TO 5 P.M.

Dear Harvey

[Toronto]
The Leader, May 30th, 1866.

Trinity College School, Weston. --On Monday last, being Trinity Monday, the second meeting for athletic sports of this school took place.----- The following formed the committee, Johnson(max) Osler, Helliwell (max) Darling, Holland.
Starter-- Edward Miles, Judge -the Rev'd W.A. Johnson. Timer J. Peake.

Hurdle race, 14 and over (300 yards 14 hurdles)
time-30 seconds. Ist. Osler 2nd. Johnson(max).

Throwing cricket ball, open, 88yards 2ft. Ist. Osler.
2nd.. Helliwell(max).

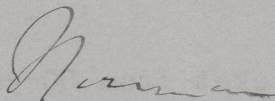
Flat race. 14 years and under, 200 yards. Ist . Osler.
Time 28 seconds 2nd. Helliwell.

over? W.O. was 16

The dashes are to represent other entries, there does not seem any other note of interest.

Darling. Armour, have been tapped long ago, the Trinity college school Jubilee number represents their contribution, Worrell had nothing.

Sincerely



DR. NORMAN E. GWYN
148 Bloor St. W.
TORONTO

1028/61/21

C05417/601.21

C O P Y

Lemon Grove, California

June 27th, 1920.

To

and
My dear Dr. Cushing.

I am glad my little note is of some value - but my brother writes that Mrs. Osler was of (probably) Spanish ancestry - I can't imagine how the Indian tradition arose but it seemed to be well understood at that time. I first knew the Oslers from having been first sent to an English boarding school in Dundas, at the age of fourteen, about 1875 I think. I never went home at Christmas and as all the teachers were Episcopalians and one was organist, two in the choir, and we were all required to attend the services, Lenten too, and often Martin's, and early communion, we were really part of the Church! - Then those Saturday and Easter & Christmas parties! The romantic tales we wove around Mrs. Osler! - Of course in our minds she was directly descended from Pokahontas (how do you spell it?) and a beautiful Chief wanted to marry her but her father chose the Englishman! How disappointed we would have been if we had found out the truth! - As far as I know the family lived right in town then. I don't recall Dr. Johnson at all - I am awfully sorry not to be able to tell you more, but I seem to have only visioned the things I wrote to Casey, though I knew them all so well and loved them all.

Wishing you success

Sincerely

Edith Wood Hayes

(Mrs. Hayes)

1028/61/22

5

CVS417/61.22

Dundas Octb. 1st.

1866

My dear Willie

You thought rightly when you surmised that I was too busy to write since you left home, but now this Monday morning before I begin anything in the way of household duties I must begin, and try to finish a short letter to my Weston Boy. I shall leave E M and Charlotte who I believe are both writing to enter into all the detail of home news so between the three you will have enough to do to read for the one day.

Our English relatives are now quite at home with us and so far are pleased with Canada, and not I think displeased with their Canadian Cousins. Of course Brick is their standard of perfection. Edmund came up late on Saturday night or rather it was 1 o'clock on Sunday morning. Turner went in to Hamilton to fetch him and the train was very late he was off again early this morning he goes to Montreal Quebec and Kingston to wind up the affairs of this unfortunate N.C. Bank. I hope the shareholders will not eventually lose by it but Papa has to take \$200 (his Deposit at the Bank) all in cent pieces! So look out when you require pocket money for a roll of coppers. When Papa came from the Synod he brought Synod May with him, and on the Tuesday arrived all in that pouring rain. There was plenty of chatting and fun going on with the six girls who all seemed to enjoy themselves thoroughly. They went down to Brookes and had their likenesses taken in a group.

Carrie is in Toronto with Hennie who we think will be up some time this week, so by degrees these young people will see all their C. Cousins. The Lachies here are going to get up a Bazaar for the purpose of painting and fencing the Church this work in addition to all else I have to do will be sufficient reason for my not writing to you very often, but I dare say between us all you will not be neglected certainly you will not be forgotten.

By this time I suppose you are in with so many boys you must have some one to assist you in the duties of Prefect or else you'll find it an arduous task. Tell Mr. Johnson I regretted very much that I had not the pleasure of seeing her during the vacation, but hope if all are spared till another summer to see her for a longer visit to make up for it.

I am glad that Frank wrote to you. B.B saw him in Boston and thought him much improved. We are all sorry he has not gone to sea again and Papa is sending him a letter today advising him to go instead of getting unsettled again as he would to sure to do and now I must say good-bye with best love and constant prayers for your well being and doing I am ever dear Willie

Your loving Mother
Ellen Osler

Brick - B. B. O.

1028/61/23

10

CUS417/61.23

Dundas Mar. 30th 1866

X

My very dear Willie

I am afraid you may have been looking out for a letter before this but two or three times that I have been on the point of writing something has turned up to prevent my doing so, and as I have nothing very particular to communicate even now my letter will be little worth.

You will see by this week's paper that Holts house is for sale, you know that he and Gray have failed in the Brewery which is now closed; BB has some idea of buying the house instead of building up on the hill near Merediths it will save him an immense amount of trouble and worry and although I do not know what he means to offer for the house I think it will be less expensive than building a new one, there are three acres of ground, 50 apple trees in full bearing and all kinds of other fruit. Will it not be nice for him?

Mrs. Babington and Carrie will will have each other as neighbours. Alick Gartshore I hear is to be married in and will take the house BB now occupies--more hinderances and if I do not hurry I shall not get this finished in time to send down to the post office tonight. I do not know whether we shall see Edmund up to spend with us, and I felt rather disappointed in not looking forward to see you, but with only the day or two of a holiday it did not seem worth while and as it was promised that you should go to Lloydtown you will I dare say bend your course thitherward when you break up on the fifteenth. We shall be writing again before then to send you the wherewith for travelling expenses. I wrote to Aunt last week and told her I thought you would be

Johnson

Inquiring mind

1028/61/24 CUS417/61.24

~~Johnson volume of notes~~

Johnson character is a natural one named by the category of the
microscopical species which he has preserved. In the latter volume which
is index and an index. There an enumeration between the years ~~1850~~ ¹⁸⁵² ~~1852~~
and the last entry says, 1873 1488 specimens prepared & mounted
in his address.

It contains receipt for numerous stamps specimens and an index

Containing the following lists

Entozoa Ascarid Parasites etc

Spine Bone Hoop Bone Salt Papillae

Feathers scales, Hair Spine

Insects (Whole) ~~Eggs~~ Head of parts Body etc. Feet legs etc

Spines scales wings tracheae stomata

Internal structure stomachs intestines, respiratory muscle

Internal " (human) ^{animal} ~~human~~ ^{wholes} nerve muscle

Shell structure

Algae

Diatomaceae

Bryozoa

Fungi Equisetaceae

Ferns fern seeds

Mosses Lichens Insects etc

Push Mould etc etc

Wood Boats

Cryptas

Minerals stones, metals. Earths wood.

By far the most numerous
items are the Algae
Diatomaceae & Bryozoa

In 1866 began to find
large numbers mentioned
Mrs. Peale
first lot when in 500
Jan 22 1867
Arthur Johnson gave to
Journals Lib. of W. 405

Every thing possible from 405 a bag to 452 Post unclear and then to log note 493 494

1028/61/25

12

C5417/61.25

Dundas, May 10th.

~~1028~~
1866

My dear Willie

I am afraid that you have been on the look-out for a letter before this, but I have been so busy gardening lately that matters indoors were rather neglected. Jane has left us, and Mary Roberts who has taken the place is rather slow but otherways I think she will do; this gives me more to do and Papa having gone out to see you would answer the purpose of a letter, I was glad to hear through him that you were all right and going on well; the paper that wrapped your ties asked the question--Did you need new cotton socks? When you write next week tell me, that I may get them for you. It is likely I may be in Toronto before long when I shall either run out to see you or send to ask for you to spend a day in Town with us. I thought your likeness very good and am pleased to have it. Aunt Charlotte in England wishes to have one also. How many had you taken? The Holts have not left the house yet but BB and C are there some time every day gardening--there is to be a sale next week of the furniture after that I suppose BB will move in, it is a very pretty place and a fine show for fruit blossoms this year. The Greys have gone to Toronto to live--I fancy the Holts will move into that house which belongs to Miss Grey. This lovely spring weather is bringing everything beautifully forward in the garden I only wish you could see how nice everything looks--but I expect you would rather come in for the fruit season and will revel in the apples over at Britty's. Edward is going up soon for his Ex. which I sincerely trust he will pass this time it will be such a relief to us all, and he will rejoice I'm sure. I send you a note from Frank you will see that he has very foolishly been running in debt at Millville and has left the place to go to sea, he did not mention the name of the vessel but Papa has written to Joe Wright asking him to make enquiries and let us know; we had just sent of a parcel to him by Express containing clothes which he could not have had before he left--poor unfortunate Frank--he will I trust learn wisdom by experience but I fear it will also be with much trouble to himself. God I hope will watch over him and guard him from all adversities that may happen to his body and from all evil thoughts that may assault and hurt his soul. I can never cease to pray for him, indeed my dear Willie it is what I constantly do for each and all of you that God would grant you the Teaching of His Holy Spirit to convince of Sin, of Righteousness and of Eternal Judgment. God is our kind loving Father and we ought to love Him, He is our Master, and we are bound to serve him. Consecrate yourself my dear boy to His service and all will be well with you for Time and Eternity. We all send best love and believe me

Your very affectionate Mother
Ellen Osler

There will be no need for you to send on Frank's note to Edward, I will tell him all about him when I see him.

~~1028/61/26~~

13

CVS417/61.26

Toronto May 17th. 1866

X

My dear Willie

The Hamilton Boat brought Papa and myself to Town this morning; he was to return by train this evening, I remain till Saturday eveng. Can you come in to Town on Saturday morning? I shall be glad to see you for it is long since Christmas and your holidays are far in the distance yet. Hal has grown very much and Miss Georgie is getting on very nicely. Excuse this minute scribble, I am rather tired--ever your loving Mother

Ellen Osler

1028/61/27

CUS 417/61.27

(To W.O. from his sister, Miss Ellen Osler)

The Rectory Dundas
September 29th 1866

My dearest Willie

I will try & do better in the writing line this term, than I did through your last, although there seems to be remarkably little to tell you, as Charlotte has doubtless posted you upon the subject of Jennette, & Marian, who are very nice girls, I am sure you would like them very much. We are always regretting you are not home, & miss you very much. We have proposed a little plan, if it can be carried out, for the cousins & myself to go to Toronto for a week or so next Month, while Henrietta is here then we could keep house for ^{you?} & go exploring Toronto under Edmunds wing, you could then manage a day in town perhaps while we are there which would be very pleasant, Carrie is in Toronto at present, & will return next week, bringing Henrietta back with her for change of air. Brick is going to Montreal on Wednesday for some little time, I don't know what the girls will do without him, as they think more of him than Carrie quite approves, - I was so astonished to see Mary return with Papa from the Synod, she looked very pretty, & was more lively than usual. I do hope my dearest boy you have remembered your promise, & not compromised her by saying anything like definite words, you would thereby do both yourself & her more injury than you can see at present. When you are old enough, & still remain true (which I am sure you will) I promise to do all for both of you in my ^{power}, by being perfectly silent on the subject for the next two or three years, you will materially advance your cause with the parents on both sides, as they will then see your love is steadfast, & find that to raise objections would be no use. x^^

Uncle & Fanny arrived here in that heavy rain on Tuesday, fanny driving? all the way from Lloydtown. They left with Mary on Thursday afternoon, so their stay was short & sweet. We six cousins all went to Brookes' & were taken in a group in Memory of the event, of three brothers two eldest daughters meeting for the first time, I have not seen them yet, so cannot say that the Photos are like, they are a good size, \$7 a doz, altogether too large for an album.

The girls play Croquet very well & are fond of it, so we play a good deal, the only misfortune being that it gets dark so soon, Jennette is so small, but she is very nice & clever, Marian is about an inch shorter than Charlotte & so fat & soft & round. They sing Duetts together very well, & talk & laugh & are jolly, they appear to like us all, & Canada in general, although they open their eyes with astonishment at many things they see & hear.

What a state of mind M^{rs} Johnson was in, lest her Prefect should be taken away from her. I am afraid she will spoil you terribly, now she is sure of your remaining with her. Are all your cakes gone? We imagined you that first Sunday afternoon, & hoped you would not feel ill the next Morning, the Apple tree missed you when you took your departure. Is Miss Clara McDonald at Weston? dont allow her to become too fond of you, her attachment to Jimmy was fervent. When you are writing to that young & respectable Head Master, you can enclose any letters from Dundas with anything in them to read, he will like to hear occasionally that we are all alive, & your letters are generally specimens of brevity & concisement. Whatever they are remember I am always very glad to get them, & will answer to the best of my ability. With much love

Believe Me always yr affec sister

Nellie

1028/61/28

CU5417/61.28

(To W.O. from his sister, ~~Miss Ellen~~ ~~Osler~~)

The Rectory Dundas
Oct^r 18th 1866

My dearest Willie

I saw by your letter to Charlotte that I was expected to write on Wednesday, but time my dear boy is a serious difficulty No servant, callers, & cousins, & going out to tea, take up all there is through the day, not I have announced that no one is to disturb me, & I shall try to scribble a letter peacefully. & let me tell you I expect as long an answer as that one you wrote to Charlotte wonderful fellow, 6 pages, & all written by you, It was too bad that you should have been beaten in that Cricket Match, it must have been a well contested game, Would you like to hear a little of all about us, Monday eve^g we spent at Carries, & sat still, & were a little flat, Next Night we were at M^{rs} Babingtons She is teaching the English cousins to dance, as Marian does not know how, & is most anxious to learn before she goes back, so we danced Mildly by ourselves, & enjoyed it all the better, Last night Carrie had rather a spiff shine although it was composed of two families the Beynes, & all of us, Pater, Mater included, M^r Holland C. Gwyn; We danced like fun, left at 12 P.M. & thought we had quite liked it, last week the girls & Edward all walked to the Peak & falls, & Jennette brought home two Snakes in her Pocket, she imagined them dead, but on pulling out the Handkerchief they were wrapped in, to her intense horror, & the unutterable fright of everyone they began wriggling over the dining room table, they were speedily popped into salt & water & are now reposing in a bottle of Alcohol, & are going to travel home to England, - It is nearly impossible to write, Henrietta & the girls are all talking & it is perfectly impossible to write We are going into Hamilton at 1 o'clock, & are going to call on M^{rs} Edward Osler, poor girl I am afraid she will repent her hasty Marriage, for I dont know when Edward will be able to keep her, he does not Make half the effort I should have thought he would, & does not work a bit More than he ever did, & you know that was Not Much, Papa is quite amiable about it, & also is serene enough to me, but has said nothing, I shall let the Matter drop until New Year When a limit for the affair will be fixed. We often wish you were here, & the girls are very anxious to see you Marian sends you her cousinly love, she is a very jolly girl I must leave off now Willie dear, for time is very limited, Your book & Ointment are [?] at Fenn's, Brick took them this Morn^g Excuse this hasty scrawl. With much love from all ever your Most Affec sister

Nellie.

re. Oct. 27 '66 (?)

1028/61/29

.16

CUS417/61.29

Dundas Octbr. 29th. /66

My dear Willie

At last I find myself making an attempt to write to you but really if you only knew the turmoil that I live in day by day you would not wonder that I have been so long silent; at last I have a girl in the kitchen but the very day after she came the little handy housemaid that I had was obliged to go home, so that left me still overburdened with work about the house. I seem to have so much to say to you that I know not where to begin and have but little time to spare. J. Morgan came on Friday evening much to the delight of the girls who are very fond of music, he left all in the rain this morning for Hamilton to catch the early train. Hennie and Hal went home last week and we have not since heard of them but she was very much better when she left I only hope she may keep so through the winter. We have a new man who is a good hand for work he has been busy about the garden all the fine weather we had. He has not been long out from Ireland--he is called Robert Taylor, a cousin of his once lived servant with Uncle Henry.

I do not know whether I can send you the wished for Dimes because Papa is not home and I have no notes in the house however if he comes in in time I will enclose it as I suppose you want it before the grand day of Games. And now what will you say when I tell you that Marianne Janette Ellen Mary and Charlotte are to be with you on that day--and if you can escape from the Games to meet them at the Station they will be glad to see you there they are (if all be well) to leave this by the morning train, lunch at the Toronto Station, and on to Weston, and if they should get an invitation to remain the evening at the Grand Shine they would be sleep at the Hotel at Weston, returning to Toronto next morning if not they will return to Toronto and mean to stay there till Saturday or perhaps Monday, if it is possible I would like you to write directly you get this, so that we might get it by Wednesday eveng. telling us if the Games are really to come off and at what time in fact tell us all about it and if it will be possible for the girls to put up comfortably in case they stay the night, they anticipate quite a pleasure trip and are anxious to see their cousin Willie. I think you'll like them, we all do. Mr. Jones of Trin. Coll. preached here Yesterday. Mr. Ballard being away for Ordination and Papa at Ancaster and Flamborough, they have nearly completed the new part of Ancaster Church which will I fancy look remarkably well when the stained window is in. I hope you are progressing in all good things at school doing heartily whatsoever has to be done--not forgetting good Mr. Halsen's reminder of Eccles XIX. What an arduous task you must have as Prefect with so many boys, you need an assistant or it may be divided in two parts. The girls will bring you down some cash which I hope will be twice enough.

Good-bye dear Willie
Ever your loving Mother
Ellen Osler

1028/61/30

8

CUS417/61.30

Dundas, Novb'y 14th

1866

My dear Willie

You must not think hard thoughts of your Mother if you do not get a letter from her as often as you expect it, for she has generally more to do each day than she knows how to get through. However setting all else aside I write a few lines today more particularly to tell you that as to socks for winter I quite think 2 or 3 pairs of oldish ones were put in your trunk in readiness for the cold weather, look and see if not tell me when you write; I am getting some others knitted but they are not ready yet.

The death of Mr. Johnson's son-in-law was a sad thing and I am sure all you boys must have been greatly shocked at it these painful events dear Willie are sent to remind us that this is not our Best, that there is a bright happy home above for which we should seek to be prepared, because often in such an hour as we think not the Messenger is sent to call us away from Time to Eternity.

The girls came home in great glee from their little trip to Weston and Toronto, they were glad to have a peep at you and sorry not to have seen more of you but the holidays are drawing on rapidly and it will be pleasant to have you home. We sent off a parcel of clothes to Frank and had a letter from him last week, he is going on steadily with Fred Wright (from whom we heard as well) we hope he may be able to come home for a few days at Christmas, it will be pleasant for us all to be all together then. Edward's wife too I dare say will be with us so that our number will be much increased.

Did you or any of the boys sit up either last night or the night before to watch for the Star Shower? Janette sat up till four this morning but was doomed to disappointment perhaps it may occur tonight but I do not fancy any one will feel inclined to sit up again. E M and Janette have gone in to Hamilton by Nelson and will be too tired for it.

As I have to write English letters and to Lloydtown I must bring this to a close.

With very much love from

Your ever affectionate Mother
Ellen Osler

Mr. Miles

1028/61/31 26

CUS 417/61.31
Dundas Novby. 30th.
1866

Jan. his mother.

My very dear Willie

I was from home when your letter came to Janetter the day before yesterday telling us of your accident and would have written at once only I found Charlotte had done so and posted the letter so I thought I would wait to get some tidings of the socks which I gave to a person at the upper end of the Town to knit--one pair I have and she promises the others tomorrow or Monday so there is some prospect of your having them before long. I am meditating a trip to Toronto next week and it is very likely I may also find my way out to Weston to see you and bring the wished for socks and ointment with me. I am very sorry you have such a hurt on your shin it is a troublesome place to heal unless you keep it up and make no attempt to walk about, which I know will be a difficult thing for you to do. You are in good hands with kind Mrs. Johnson to nurse you but I really hope you will not be laid by much longer it is an exercise of patience which I dare say you would rather have excused, especially when so near the holidays. All of us are more than usually occupied just now with this said Bazaar which is to come off next Wednesday fortnight, (shall you be home then?) Charlotte is I think better but still not strong, the rest of us are pretty well. Papa has written to Frank and to Mr F. Wright asking leave for ^{me} to come home at Christmas, we are likely to be a large party and I hope nothing will occur to mar the pleasure and joyousness of the season.

In haste I am my dear boy

Your loving Mother
Ellen Osler

Write to let us know how you are.

EPID. ~~20~~ XIX. A

1928/61/32

CUS-17/61.32

Osler all the
? HC

THE REV. CANON JARVIS TO DR. ARTHUR JUKES JOHNSON

8 Sussex Ave., Toronto.
Tuesday, Jan. 4, 1921.

My dear Johnson:

You asked me last evening to give you some memoranda which might be of service to the compiler of Sir Wm. Osler's biography. You will remember that he came to us at Weston from the old Barrie School which in those days had the reputation of turning out pretty strong men, well grounded in the 'humanities', who before they were turned out were rather precociously sophisticated in ways not becoming a boy, & not adding to his good repute even when he came to man's estate. Whether Osler was greatly imbued with this spirit need not be discussed. Anyhow I know that the moment he came under the influence of your good father, he was, like the rest of us, strongly impressed by him. He had a wonderful way of making boys see the greatness of Goodness, and infusing the moral courage to seek after it without making themselves pious prigs, or self conscious sanctimonstrocities.

It was your father, too, who started Osler on his scientific career, or at all events began the development of that taste for natural science which earned him a place amongst the greatest men of his time. ~~xxx~~ ~~xxx~~ was our greatest treat when 'Old Johnson' could be led to take a squad out for a field day, hunting fossils, and he did not need much persuasion. I can still see the Warden wielding an old prospector's pick ~~(I wonder if it is still in existence - it should be preserved)~~ and ^{also} the most eager boy of the lot to secure ~~the most~~ perfect *orthocerafite*, or whatever Lower Silurian relic the soft stone about Weston might yield. Some of us were keen to retrieve a few good sections of

orthoceras to be diligently polished and converted into prodigious sleeve links at 'Kent's store' in Yonge St. (~~wasn't it Kent's?~~)

Osler however was the scientist of the expedition. To him was entrusted the delicate work of grinding down and mounting specimens for microscope slides. ~~Is it the same microscope of which you spoke last evening?~~ Sometimes he might graciously, after the manner of ^{Don} Bob Sawyer, delegate some of this protracted mechanical grinding on the Water-of-Ayre stone to our less skilled hands - it wasn't every day that a boy had a chance to help in the construction of valuable scientific exhibits! - Nevertheless experts pronounced them exceptionally fine - after Osler had put the finishing touches.

Osler did not strike one as being an exceptionally brilliant scholar. His work was always done, and well done; but it was 'work', not a flash of inspiration, that brought results. It was no uncommon thing to see him during 'prep.', sitting with his fingers in his ears struggling with some problem, and oblivious of the distractions to which the rest of us had yielded, in despair of overcoming the difficulty, trusting Micawber-like, for something to turn up for our relief. And, nine cases out of ten, he would prove the deus ex machina, and we would reap the benefit of his wrestling with the (to us) unknowable. - We were ready to confess that we "hadn't any more brains than the Lord had given us."

Physically ~~he~~^{only} was rather undersized but extremely wiry and well proportioned, a fine all-round athlete, without being a champion in any particular line. I believe though, he did break the record for throwing the cricket ball at one of our term-end sports. Unfortunately, however, the Campus (if we may use a word I don't like, which our College athletes have

cf. Walker
account for
17.64

today taken over from the Yankee vocabulary) proved too restricted for his prowess, and the ball hit the high fence near the top. Such a throw was never dreamed of. But Professor Jones of Trinity, possibly not an unprejudiced referee, came to the rescue, and by the aid of most compelling mathematical calculations - no doubt they were absolutely accurate as became the dictum of an exact science - demonstrated to our entire satisfaction that if that wretched fence had not been in the way, the ball would have hit the sod at a distance that neither Rugby nor Eton had ever achieved. Anyhow, it is not on record that our English schools yielded their claim to the championship on the strength of Professor Jones' verdict.

Once we played the villages a football match. This was in the days before "Rugby" and "Soccer" were recognized as 'exact sciences.' It was just primitive rough-and-tumble, and our light weights stood no chance pitted against the burly oafs that lined up against us. One huge bully threw himself ferociously and quite unnecessarily upon a little chap who could hardly be said to have been actually in the scrim; but Osler, who was, catapulted out of the vortex, and with one blow on the big fellow's jaw sent him to the ground and thence to bed for a week - and Osler was not so very much bigger than the little fellow he had avenged. * * *

Osler had a bad attack of Typhoid or pneumonia during one of the long vacations. Whether he afterwards fully recovered his vigor I do not know.

In 1867 he matriculated at Trinity and I think it was his intention to read for Holy Orders. He had a violent quarrel with the Provost not long after he came into residence. I never knew the rights or wrongs of it and

have forgotten what it was about. However, he felt that he had no 'vocation' and declared for Medicine - taking the lectures at the Toronto School and afterwards at McGill. After this I did not come into personal contact with him for many years. We occasionally corresponded. Later on, he sent me a copy of his thesis which first brought him fame. It was all Greek to me, and I have forgotten even its title - something about blood corpuscles and things. After he joined the Staff at Johns Hopkins I consulted him by correspondence in regard to a sick child of mine suffering from some mysterious ailment which puzzled the best physicians we could summon. Though unable to do much for us without a sight of the patient, he took infinite pains to give what comfort he could when we stood so much in need of help in those trying circumstances.

It was said that he in accepting Darwin had become violently agnostic. I doubt this very much. We all know how impulsive he was, and how his humorous flights were often taken too seriously by matter-of-fact critics. But judging from his remarks upon a book which I asked him to read, I am inclined to think that Tennyson might have such a one as he in his mind when he wrote the hackneyed distich -

"There is more faith in honest doubt &c"

I never saw the following anecdote in print but no doubt you have heard it. It was told me as an illustration of his quickness at repartee.

When lecturing at McGill, the subject of evolution came up incidentally, and a smart-Aleck wanted to know whether in view of the universal operation for appendicitis we might not expect Nature assisted by surgery presently to

evolute a race of super men happily relieved of the useless appendix.

Osler looked at him quizzically, and replied: "quite possibly - at the same time I must remind you that -

"There is a divinity that shapes our ends
Rough-hew them how we will" -

Darling reminded me on our way home last night of another instance of Osler's proficiency at throwing at a mark. The boys of "Johnson's house" had to come over for class work to the temporary school-rooms near the station.

The tedium of the return journey along the railway track was generally beguiled by some kind of game or contest such as school-boys are wont to invent for such occasions. One afternoon the stunt was to hit every telegraph pole on either side of the right-of-way by throwing pebbles at it from the track. Osler made a bet that he could do it if allowed a second try in the event of a failure at the first attempt in any one case; and he won his bet, having to fire twice at only half a dozen of the targets.



*** I thought I could recall a full assortment of incidents that might help to bring out an adequate idea of Osler's school days; but when one comes to put down one's impressions we begin to realize how vague and intangible they become as the years go by. I am afraid my effort is what the old Provost used to describe (speaking of our examination papers) as "regrettably jejune." But the outstanding impression left in my memory is that of a clean, straightforward, fearless and unassuming fellow, whose influence for good made itself felt in the general tone of the school - an admirable prefect compelling the respect and affection of the boys and worthy of the confidence placed in him by the masters.

But withal, full of fun and not so painfully impeccable as to discourage or disgust these who looked to him to give them a lead. He had to write his "impositions" sometimes, and did them with a good grace.

Entries to be copied:

24	432
28	493
38	494
46	733
53	749
84	1430
122	1437
153	1488
222	
345	

CUSHING/61.33

BEACON STREET, CORNER CHARLES

CLONOH & SHACKLEY

CUS417/6133

749 Larva (aquatic) Palpicornes Hydrophilus with
Curios ~~head~~ tripartite shovel on head. taken in
July 67 in W. Halleys Pond on G.I. Railroad trestle
See Animal Kingdom by J. P. Jones p 145

1028/61/33

WS417/61.33 1866

Extracts from W. A. Johnson's Field Notebook.

On the fly leaf is this note: "Balsam. Those wh have the number marked out were rejected Nov^b-25ⁿ- 1872. W.A.J. Do - Glycerine. Dec^b - 17ⁿ- 1872. W.A.J."

- 24 1861 Heads of mosquito, Sandfly, simulium nocivum (no-see-em of the Indians) & black fly, Limulium molestium, sent me by E. Miles from the North Shore, Huron by letter & put up in Balsam. The saw cut ends of the Mosquito's piercers are prettily marked & the broad lancets of the Black fly are very clear.
- 25 1863 Spicules of Gorgonia. This belongs to the Protozoans. See Dana's Geology, pg. 163, fig. 149. It belongs to the Alcyonoid polyps & the object consists of the ray or fringe (Sea Fan.)
- 31 1859 Hair of wild Rabbit sent from Penetanguishene by E. Miles. *See in box*
- 38 1859 Acari on the wings of grasshoppers. Thousands of Grasshoppers died this summer having sometimes a dozen of these little parasites on their wings, wh appear to have been the cause of their premature death. They became very weak & were easily caught.
- 53 1865 A fragment of shell with little shells attached: taken by the sounding lead by Capt I. Anderson Lat 52. 40 N. Long 5.38 W off Arklow Bank 12/1/62 in 35 fathoms. See Microscopic Journal N^o xxxi, evidently Lepralia.
- 82 1865 Sand from Lake Ka-Kwe-ambe-je-wag-a-mog: *Hollow Lake* the rise the river *Muskoka* containing 80 or 90 p. cent of Iron.
- 84 1864 Sand from Princeton Mines said to contain 70 p. cent of Gold: (none at all.) given me by I.W.B.Fraser B.A.
- 85 1865 Fragment of shell of Sea Mouse, showing the spines, given me by E. Miles from the coast of Helgoland.
- 103 1860 Section legbone yearling colt belonging to I. Eagle, Weston killed by a Locomotive.
- 105 1865 Tooth of Masquenonge, long.^l section fish taken in Pigeon Lake weighing over lbs 30 by E. Miles
- 122 23/1/65 Zaphrentis bilateralis a diagonal section, the structure is very pretty as seen with a watchmaker's eyeglass, or other low power, the specimen was among small stones from the North Shore of Lake Huron & in shape something like a pear. Nat. size see Dana, pg. 236. It appears to be a radiated Polyp & is better seen in a larger specimen wh I obtained from I Noble's well. *Sketch*
- 153 20/2/65 Dry seeds of Echinosperra lapulla, picked in mid winter still attaching themselves to everything that touches them. Growing on the dry gravel at the Vestry door of St. Mark's Ch. Carlton.
- 178 3/4/65 Teeth of a minute borer found in willow twigs. A curious tooth wh looks like a cross & occupies the whole of the front of the head. (Balsam)

- No. Date
- 204 20/4/65 Equisetum showing a spore with its club shaped filaments spreading. If this plant be examined before it is too far advanced, by putting a sporangia in sight & pressing it, the spores will be seen throwing out their filaments as they leave the sporangia.
- 222 25/5/60 Stomach of the grub, called the brown grub (showing some fine tracheae) that eats off the cabbages & voraciously. The stomach is a large sac followed as usual by a small contracted end, wh in this case has very strong muscles without any teeth visible, dipt in carmine, mounted in Goadby's sol.ⁿ
- 244 1/7/65 Stomach of Elator oculatus, dipped in carmine, washed in Glycerine, washed in Chlorate of Zinc & put up in the same.
- 264 7/7/65 Eggs of ^{This is blank} ~~moussinae~~ ^{moths} the reddish brown caterpillars that appear about the last of July on the apple trees & currants binding many young limbs together by their webs & working only inside eating off only the chlorofil & leaving the veins of the leaves. These eggs appear to be covered with hair & feathers of a white moth.
- ? 329 5/1/66 Pulex sciurorum, squirrel flea.
- 339 11/3/66 Egg shells, in the folds of a piece of Pine bark from a newly felled Pine stump. M- Peake found them. Lids very beautifully fastened down.
- 345 13/4/66 Sphagnum, pretty & curious cells, Carpenter Edi 3rd - pg 386, boiled in potash water dipped in Iodine Zinc & put up in Glycerine.
- 384 18/6/66 Leaf of moss (Dr. Bovell took it)
- 395 26/6/66 Dryocampus senatorius, external surface, vagina. Very large yellow eggs inside the abdomen. Abundance of trachaea. Neither stomach or tongue, that I could see. Might this surface be necessary in order to give position to the eggs when deposited.
- 420 12/7/66 Chaetophorae. These grew while in the saucer in my window & are in glycerine in a thin glass cell.
- 432 28/7/66 Wing cover & musical organ in Katy-Did or Phylloptera oblongifolia.
- 435 30/7/66 Saws of Saw fly that destroys the currant bushes. See notes.
- 467 25/12/66 Fossil human bone from quadalope, put up by Topping & given me by Arthur.
- 493 16/1/67 Aspidiotus conchiformis, or "oyster shell bark louse". For a description of this little destructive thing see Harris pg. 254. & Practical Entomologist at pg. 31 of Vol ii: where there is a good drawing & description.
- 494 16/1/67 D^o D^o D^o these were taken off the apple branch where they are usually found: & along with them on slide N^o 394 are some of the jet black eggs so plentiful round the buds of the Berberry which grows along side. The eggs are perfect & are not yet hatched: what they may do in consequence of being in a heated room I can not tell as yet.

- 502 22/1/67 Section transverse (immediately at right angles to the long bone (femur) of a blood horse about 7 ys old: once the property of Mr. Peake. Horse died in 18 (very good) (put up dry)
- 505 22/1/67 Crocodile scale ground by Osler, ground through (dry)
- 506 22/1/67 Longitudinal section of bone of a cat, brought from the Pyramids of Goza (dry) supposed to be 4000 years old. The bone was given me by Dr. Booth.
- 538 11/2/67 Longitudinal section from the dense & thin part of ^awild goose's leg.
A. Dense part Sketch. Put up dry.
B. Blood vessel beautifully arranged. Given me by Dr. Bovell.
- 539 11/2/67 Transverse section leg bone of wild goose in Balsam as the sketch in 538.
- 549 12/2/67 Section of the nut shaped bone in the inner portion of the Beaver's ear.
- 550 12/2/67 Trans^e Section Human Fibula. This bone must have lain many years in the ground: it was taken from an Indian burying mound at Woodbridge C.W. put up in inspissated Balsam (changed to balsam, pure)
- 556 16/2/67 Native silver. Mr. Peake brought a little earth from Dysart to test. The blowpipe melted it immediately. The little balls are malleable & the residue is frosted like silver. A little ball, a flat piece, & frosted bits.
- 557 16/2/67 The above boiled in nitric acid & allowed to dry. (Polariscope.)
- 558 16/2/67 Earth, from the Township of Snowdon containing a good supply of Silver (notim) Given me by Dr. Peake. He got it from the Company.
- 561 19/2/67 Grubs or borers, under the bark in young pines cut down about a year: from Dr. Bovell's, pretty feet like teeth at each segment of the body. In Balsam.
- 565 28/2/67 Lower extremity of one of the fangs of a Cow's molar tooth. Transverse ground by Jimmy.
- 566 " Transverse section leg bone of a cat very thin, dry. Cat was killed on the Railway Track during the winter. Very pretty. Ground & finished by Jimmy.
- 567 " Long.¹ Red Oak. Plenty of dotted ducts, being used in the Ch. Seats. Very open wood. *A.B. his wood carving*
- 571 1/3/67 Long¹ & trans^e sections of Red Oak. tolerably thin, shew well.
- 572 7/3/67 Transverse sec^{tn} leg bone of a 2 yr old Heifer hind leg just below the hock joint. Fresh bone, put up dry, a curious instance of absorption.

- 582 7/5/67 In glycerin these insects were feeding on a beautiful bright scarlet fungus. They appear to be the self same as 583 wh were floating in a small pool. They seem to be all snow fleas: Podura's. Those in the water were reddish brown, their skins cover the water; when *Mit. ac.* is put on them they spread their tails.
- 587 9/5/67 *Cylindrocystis brebissoni*? These desmids were formed in a ditch on the Railway at Weston, they seem to be attached below by a whitish mucous membrane & fringed on the edges with bright green. Dry & balsam wh has split them in two.
- 621 4/6/67 Erect threads of alga? clipped from the back ^(of) a snail, living in *Draparnaldia* in Chafers Creek, Diatoms numerous.
- 627 11/6/67 *Vaucheria. racemosa*? in a still pool.
- 630 " *Zygnema.* found in a small pool, quite exposed, & floating; back of H.I. Boulton's; while crossing to the 6th Con: of York. In different stages of conjugation.
- 650 2/7/67 *Mongotia, genuflexa*? taken too late, in the pools about the Humber at the Lake on the shore.
- 661 17/7/67 *Pteris aquilina*: gathered in the garden where it had been brought with cedars for the hedge. Brake, or braken.
- 664 20/8/67 In spirit & glycerine &c.
- 667 " ~~Fert~~ from the mouth end of a little scale looking thing attached to the flat rocks at the falls of Montmorency above the falls. Are they water spiders?
- 674 10/9/67 A ^{rust} must on Red oak leaf, picked near Mr. Dennis' swamp while getting cedars to plant.
- 677 25/9/67 6 fleas, kept about a year by Arthur. Very good. one male, 5 female.
- 698 13/xi/67 *Struthionteris*, a pretty sample gathered on a little creek that empties itself into the Humber at Edw^d Scarletts.
- 749 7/i/68 Larva (aquatic) *Palpicornes. Hydrophilus*, with curious head, tripartite shovel on head. Taken in July. 67 in Mr. Holleys pond on G.T. Railroad Weston. See Animal Kingdom, by I.R. Jones, p. 125.
- 750 22/i/68 Mould. Portion of a large flat fan-like growth or mould attached to pine joists, under Carlton Church, built on dry gravel; with brick walls, & no air underneath. About 6 yrs. ^{quiet} the floors began to sink. Seen as an opaque with an inch obj. the little cells of the pine threads of growth are very pretty.
- 754 28/i/68 From a Caddis work, taken in Alga under the ice 21/i/68 in the Humber. Glycerine.
- 819 21/iii/68 Larva of *Gyranus natator*? in Balsam. The most beautiful lines of tracheae I ever saw. Balsam has made it too light.

- 827 29/iii/68 *Batrachospermum confusum*, sent me by W Osler. in Hautz -
- 842 " Alga, *Zygnema nitidum*? this was sent in a bottle to Dr. Bovell taken from Cattleguard G T. R station (in Hautz fluid. Cytoblast very perfect.
- 861 22/iv/68 Stellate bodies from leaf of a ^{Nymphar} ~~Nympha~~, probably *alba* or *lutea* in the Humber, Balsam.
- 862 " Same as 861 in glycerine
- 863 " Same & diatoms given me by W. Osler who drew my attention to them.
- 864 22/iv/68 *Encyonema prostratum*, in Gly. given me by W. Osler
- 958 11/4/68 Diatoms from London (by Osler) Bal.
- 998 22/x/68 Aphis with white down attached on Beech twigs (Bal) always swaying their tail end about. curious (Balsam)
- 1044 19/xii/68 Tracheae of mouse, given me by W. Osler. Gly. beautifully stained.
- 1045 19/xii/68 Intestine of mouse vill. Gly.
- 1046 " Auricular plate of frog. Gly.
- 1047 " Muscular fibre of frog, "temporal"
- 1048 " Mesentery of Cat.
- 1049 " Costosternal cartilage of puppy
- 1050 19/xii/68 Muscular fibre of frog. temporal. These from 1044 Inclusive are stained & in Gly. & given to me by W Osler. 19.xii.68
- 1057 21/xii/68 Muscle from Pine Borer, stained & acetic Gly. in Gly. by W. Osler
- 1066 30/xii/68 Diatoms on a bit of weed in the ditch wh runs along side the Cedar swamp, containing *Sicmophora*, *bacillaria paradoxica*, *Exillaria* &c - In inspissated Balsam.
- 1083 9/i/69 Intestine, ovipositor &c of house fly wh came out during the thaw full of eggs. Gly.
- 1085 9.i.69 bone foetal lamb. stained in Gly. from W.O.
- 1105 27/i/69 Worms found floating in the ditch in the swamp Jan^y 25.1869. evidently aerating. These have been in spirit & acid, then turpentine now Balsam. Very curious mouths & barrel shaped abdomen.
- 1106 " *Gomphonema berklia*. this was taken from a bit of grass waving in the water of the Black creek at a cattle hole on the 5^h Con. York, close by brick house Jan^y 27. 1869.
- 1150 11/2/69 Clelifer (*Cancroides*?) found by Mr C. F. M. who was bitten badly by something at night.

- 1164 23/ii/69 Simuleum molestum larva an attempt to open & separate or dissect one (Bal)
- 1171 27/ii/68 Parasites of Rosebreasted Grosbeak: with eggs. Glycerin.
- 1191 22/iii/69 Diatoms, Meridion very little disturbed; from the Cedar Swamp.
- 1197 26/iii/69 Gomphonema Berklyii, from a spot in Sam^l Scarletts tail ^{race} where the water does not freeze.
- 1198 " The same in all probability, but from the Swamp, shewing how these things are hatched, so to speak at this season & in springs in the sunlight, both were scratched off chips or stone, looking a yellowish brown scum, with the water trickling over it about 1/2 an inch deep
- 1207 March, 1869 Acari. Two small ones taken from a woodpecker. Red head & white spotted, that stays with us all the winter.
- 1223 28/iv/69 Alga? Tindyredia F. in gathering from a horse trough on the road & hillside between Hamilton & Dundas, sent me by post from W. Osler to see water bears, did not find any. In Hautz fluid & sealed immediately.
- 1233 20/iv/69 Diatoms, from Sandy cove Lake Simcoe collected by (W.O) in 1868.
- 1234 " Diatoms (The same.) (W.O) Diatoms from head of Kempenfelt Bay, Lake Simcoe. (W.O).
- 1245 20/vi/69 Head cysticircus oel: pig given me by W. Osler - Gly.
- 1260 } 30/iii/69 Diatoms, taken on weeds at mouth of Desjardin Canal by W. Osler &
1261 } boiled by him shewing among other good diatoms the
1262 } "Coscinodiscus armatus".
- 1266 " Diatoms from Niagara falls. Surirella (plentiful) W. Osler
- 1267 " From Humber, Gyrosignas. W. Osler
- 1272 7/10/69 Upper & Lower surfaces of leaf of ^u ~~Deutzia~~ ^{Scabia} Scabia: picked while ~~at~~ ^{at} Mr. Osler's, Dundas, in September last. put up 5/xi/69. #
- 1281 9/11/69 Bacillaria? Exilla? or whatever else they may be attached to very delicate Alga? in the stream wh gives rise to the creek at Scarletts (Edw^d)
- 1283 18/xi/69 Diatoms. Shewing state of at this date in a sunken barrel at the little house near H. Dennis. One of the springs wh give rise to the water in the ditches in the swamp. Some long cladophora as usual on the sides of the ^{tub} - a kind of Cocconema in Conj.
- 1298 6/xii/69 These diatoms Surirella minuta were gathered as an oily scum on a little ditch from W. Irvines forge to the river on the N. side the road.
- 1314 8/xii/69 Trichina spiralis (encysted) From a subject (on the table) at New York shews the calcareous deposit. Gly.

1315 8/xii/69 Entozoa? from mucus stomach of a bat. Both given me by W. Osler. put up by him. Nov^b. 1869.

1316 Jan 5.1870 ^{Tenaea} Tenaea: ova bearing segment taken from a Dog. Given me by W. Osler. Balsam.

Wally Skel?

1367 } 17/ii/70 Diatoms, Gomphonema dich: gathered when walking into Toronto
1368 } with Willy ^{ster} _{an} (?): 6° - very cold. Just South of the Whitebridges
1369 } near Toronto on G. T. Railway through a hole unfrozen about 6
1370 } inches long, snow curled over it. - Balsam.

1373 } 21/iii/76 Taken generally from a bit of gathering under the Bridge in the
1374 } field at Gren pond. Diatoms pinnularia gyrosigma 6°.
1375 }

1377 " Small yellow looking morsels of the same. (good).

1390 } 22/iv/70 Trichinina spiralis. from man at the Toronto G. H. from Osler.
1391 } Gly.

1392 " ^{at i} Tenaea elliptica head protruded from W Osler. Gly.

1402 27/v/70 Ulcer, from leg bone, tibia T. Gn. H. March 20: 1869. given me by Arthur bone so soft as to be easily cut with a knife. Referred to Paget in his Pathology.

1403 6/June/70 Echinophycus? from the Catfish. both male & female Given me by W. Osler Glycerine. (See Cobbold)

1428 30/ix/70 Seeds of Gentiana fimbriata & Gentiana. both gathered the same day, walking with May to Carlton Church Sunday Oct. 16" 1870. The winged or feathered seed is Gen: fimbriata, the smooth round one is Gen:

1430 15.ii.71 Leg bone of a Crane, Hern, or Heron shot Sep^t 28: 1867. Note These two are ground on glass with pumice stone wetted & put up with Balsam. See Qua^{ly} Journal microscopical science.

1437 11.iv.71 ^s Trigonocystie orbicularis? tricornis: see Hassell plate lxxxiv. I found these today at the Whitebridges on the G. T. Railway while walking out from town. They were in a little scum wh I put in a bit of paper. See sketch of this date to shew the different forms.

1441 12.v.71 Acarus of an Oreole, probably the Orchard Oreole.

1488 15.i.73¹³ Insects in a book - In the first page of Carpenter's Comparative Physiology. This intensely cold weather seems a strange time for them to be about. Unknown to me at this date, except by sight. This stellate form, wh is often so plentiful in watery collections is from the seeds of the Mullain collect about Oct. 1st - & see. 1873.
Sketches.
e