



Book. 70.

Nov.^r 1. 1922.

to
Dec.^r 31. 1923.

Edgar R. Waite.

S. A. Museum

Adelaide.

November. 1922.

1. Wed.

Watson & Merritt left
Kelson for Mt. Gambier
in B & A and sidecar
while I went by the
Mail Car (Ford). put
up at Town Hall Hotel
as before. Called at P.O.
obtained letters & stopped
the sending to Kelson.
After lunch we all
walked to and round
the Blue Lake, going
up to the Look-out, to
which I had not been
previously. At one point
we lay down on the
grass & a Painted Lady
[2]

Butterfly settled on my
white canvas shoe. Ten
minutes later, the same
butterfly (with a notched
wing) settled again on
the identical spot. Found
a recently killed "Tiger
Snake" on a fence &
Watson opening it found
it to be a female with
eggs in the oviduct. I
always experience *Muscae*
volantiae when lying on
my back, looking up to
the sky. Took photographs
of Watson opening the
Snake & also carving
lines under the names
of inscription vandals. [3]

such as "Now in an Asylum" or "Escaped from gaol." Returning, Mr. Hoskins overtook us in his car & drove us in. Waterman (Daw's Fish Market) recognised and spoke to me. Went to "Museum" Watson wishing to see it.

2. Thurs.

Watson & Merritt left at 10.0. for Harraoorte. I repacked specimens collected at Nelson. Had shoes repaired etc. Mr. Engelbrecht whom we met at Nelson and who joined us at M^r. Gambier

introduced me to Mr. Gerloff. He will call to see me tomorrow & discuss possibility of going to the coast. Had chat with Waterman and got some economic information for the fish book.

3. Fri

Sunny before breakfast I took a photo. of one of the Ibis. The gardener said he had had it there 14 years. With a view to sending him a fruit I asked his name "Same as Ostrich only Hen instead of Os." ~~OSTRICH~~ "H-EN-STRICH" - I said

"No HENSTRIDGE" but —
"Ah Well", I never went
to school. Later we had
rain and hail. I wrote
to Rose. Rained all the
morning: in afternoon I
called on Gerloff and
learned that he had
left a message for me
in the morning that
it was too rough to
go to the Carpenter's
Rocks; the message was
not delivered. Hence
I went round the Valley
Lake, anti-clockwise
Noted by inscription on
the look-out that the
stone was laid by Way. [6]

Caught young Goldfinch,
which I released. Saw
the following alien.

Goldfinch, Greenfinch.

Starling & Sparrow.

Met & had a yarn
with Hocking on return.

Though raining to the
time of going out I
had not a drop while
away. Finished up the

day at the pictures. &
developed a sore throat.

4 Sat.

Throat & uvula much re-
laxed: got a gargle at
the chemists. Awaited
Gerloff, who however did
not turn up. Walked [7]

to Valley Lake in after-
noon but felt pretty
miserable with a cold
Tried to locate Stanke
but without result. As
the first item in some
musical competition. 3
drum & fife bands par-
aded in front of the
Institute, a boy in one
of the bands played his
fife left-handed -
weighed 10. st. 13 lb.

5. Sun.

Feverish but no rigor. Cold
& damp weather. As both
Gerloff & Stanke failed
we decided to go to
Beachport tomorrow, [8]

walked to Lakes in the afternoon.

6. Mon.

Left by train at 8.30
weather still bad. We
had a thunder storm
with hail at Millersent.

Arrived about 12.30 &
put up at hotel. A
steamer the Eur...

of Melbourne was at
the wharf loading &
was blown away. She
ran out to sea but
put back & anchored
in Mud bay. Having
dined I set out for
the back beach, the
rocky part over which

The waves were dashing
mountains high. There
will be no chance of
using lime, which I
brought with me. The
outlines of the sandhills
were lost in a haze
of wind-blown sand
which peppered hands
& face. Returned via the
Salt Lake, which local
tradition has it is 7
times saltier than the
sea. Examined skull of
a small baleen whale
the ear bones being in
situ & ribs of a much
larger cetacean. At tea
in walked Sir Wm. Towden

and Wilkinson and by invitation I joined their table. Afterwards I piloted them to the salt lake, the wind having moderated a little. Wound up the evening at cards.

7. Tues.

Looked up the fishermen ^{and} ~~Corigliss~~. They had set nets in the big lake 5 miles distant so they drove me out & said we should be back in time for dinner. I accompanied the brothers in the boat to the nets set about $\frac{1}{2}$ mile out. They were twisted into

ropes by the storm, at least many lengths were, and they landed on an island for disentanglement. after about 2 hours work, during which time I was nearly frozen. I (had my gum boots on so) decided to get across by wading. I accomplished it within a couple of inches of the boot tops but more than once nearly fell on the slippery floor. The coast was fringed with Travertine Limestone & in a small cave I found the whole roof covered with honey comb

cells, but someone had removed the combs. They were many Swallow nests on the ledges & one nest with eggs I did not know, so secured it. The beach was alive with Sandpipers, a party of Black & white stilts (13) was busy feeding. The netting yielded seven dog Salmon, 2 Mullet & 3 ducks. The nets were re-set & we arrived back at 5.30 rather hungry. One of the Corigliano boys came to the hotel and we talked fish and fishing. Sowden

* Wilkinson had left before noon.

8. Wed.

Called on the Harb. Master (Sully) & then set off for the lighthouse but found it was on an island. I essayed a photo. in the rain. Left some formaline for Corigliano. Left at 2.15. and arrived at the Mount in time for tea. Found Sir Wm & Wilkinson at the hotel: the former took me to the competitions & then invited ^{me} to a seat in the "Hupmobile" tomorrow.

9 Thurs

Consigned Museum box to Adelaide and obtained a letter from Rose. Joined the car at 9.0. To Port Macdonald ascended the flagstaff with Wilkinson and took photographs. Thence to Shelly beach and the lighthouse. Came home by Dingley Dell. at average of 35 miles & touched 40. At this speed a couple of parakeets accompanied us for $\frac{1}{4}$ mile & easily flew faster. Had dinner at Mr. Gambier & went to photographer & took out a film roll which had

stuck, bought a new roll.
Rejoined the car and to
Donovan's. Had another look
at the "Tiger", certainly
a wolf, the cockatoos &
the flowers. Returned to
the Mount to tea. Yes-
terday Wilkinson had his
Dalmeyer Reflex blown
over into water and had
to take it to pieces as
much as practicable - At
Donovan's I was able to
make a little return by
treating afternoon tea &
again at night, taking
Sowden & Wilkinson to
the competitions. Obtained
letter from Rose at P. O.

10. Fri.

Left Mt. Gambier 6.55 am.
changed at Woolsley &
reached town at 9. pm.
weather fine. my luck. af-
ter having almost contin-
uously bad weather during
the holiday.

11. Sat.

Rose had had a new
charwomen for one day
result. Electric globe broken.
door of verandah left open
banged in wind and 3
panes broken. 2 lizards
Trachysaurus & *Tiliqua*
escaped. Found all fishes
alive. Attended to garden
and decided to have the

Water pipes renewed or cleaned owing to the poor pressure. The Mitchells took us in the "Dodge" to Kenley and back.

12 Sun.

The "Prof" to dinner. Took me to Luit's in Sidecar & returned to tea. Luit said Wood Jones had been elected Chairman of the Museum Committee.

13 Mon.

Returned to work. Learned that chairman has not yet been appointed. Took photos of Rose in her new gowns. Temp 101° 7.

14. Tues.

wrote to Lord. Hobart,
in reply. Received notice
of appointment as Vice
Patron, Anglers' Assocⁿ
Ack^d. Sent copy of Fish
Catalogue. Received forms
for new "Who's who". I
wrote a new biography of
Flynn has a note on
Mesopodon in "Nature"
Sep. 16. p. 379.

mentioning my paper
he says that the small
tooth is characteristic
of the female. Meeting
of Aquar. Soc. Appointed
Beck, President, in his
absence, & Stokes. V. P.

*. The following is an existing notice * for which I sent a new one.

WAITE, Edgar Ravenswood, F.L.S (South Australia); b. Leeds, England, 5 May, 1866. Curator of Leeds Museum 1888-92; sometime member of the Councils of the Leeds Naturalists' Club, Leeds Geographical Association, and the Conchological Society of Great Britain and Ireland; Co-Secretary of Yorkshire Naturalists' Union, Joint Editor of the "Naturalist"; elected a Fellow of the Linnean Society of London in 1890; travelled extensively on the Continent, and visited the principal museums of Europe; appointed Zoologist to the Australian Museum at Sydney in 1892, and Curator of Canterbury Museum, Christchurch 1906-14; Director of the National Museum at Adelaide since 1914. Author of papers on the Natural History of his native country (Yorkshire) and of many on the Australian Fauna, particularly mammals, reptiles, and fishes. Author of "Australian Snakes," "Catalogue of the Fishes of N.S.W.," and papers on the Fauna of Funafuti. Address—The Museum, North Terrace, Adelaide, S.A.

*. The following is an existing notice * for which I sent a new one.

(cutting)

WALL
(South
May, 18
1888-92;
cils of
Leeds Ge
Concholo
and Irela
Naturalist
"Naturalis
Linnean
travelled
Curator of
church 190
Museum at
of papers c
native coun
on the Au
mammals, r
"Australian
Fishes of
Fauna of
seum, North

16 Thurs.

With Rose to the Coburns.
met some engineers who
were aboard with Claude.
Music.

17 Fri.

Letter from Speight to
Exchange. Replied & sent
Chiaistolites.

18 Sat.

To Semaphore & Lays
on 'Douglas', Rose going
by tram & train. We
had tea at Semaphore
Café & returned in the
evening.

19 Sun.

Prof. to dinner & tea.
after which he took me

in Sledge to Cross
Roads Euley. he having
to see a patient. Mr.
Horrocks. Returned from
town by train.

20. Mon.

Concluded skeleton part
of the fish book, Rogers.
(Gov. Printer) called to
see me re Handbooks -

21. Tues.

Developed balance of the
holiday exposures, all
the negatives are out of
focus on one edge. !

22 Wed.

Of books ordered from
Dulau I received the
following: -

Mall. Aquatic Insects.

Lloyd. Life beneath the
waves. (Description

of Brighton Aquarium.

Took Kodak to be ex-
amined for fault.

Letter from Wilfrid.

23 Thurs.

My first attendance at
Council of Roy. Soc.

Telegram from Claude
he expects to arrive

in his own boat, the

"Villa" on 30th. Have
commenced to supply

meanings of names of
fishes in Handbook.

The Misses Coburn & 'Eric'

at "Kirkstall". music.

24. Fri.

Had a "buster" on the motor. A man on a push-bike on my side of the road was looking round at his friends & neither saw me nor apparently heard me shout. I caught him and ship. We were both thrown but not hurt: though his front wheel was badly buckled. He woe-fully admitted his fault: the "Douglas" was not scratched - Gov. Printer paid me a visit re the handbooks, & the Premier's inquiries.

25 Sat.

Waterman sent me a list of weights of some large fishes. Commenced to make card catalogue of music

26 Sun.

Leaving for Tasmania tomorrow, Pullen called re fishes.

26 Mon.

27 Plumber commenced work on renewal of water pipes - pressure very bad.

28 Tues

Letter from K.H. Barnard Cape Town. Plumber, having put in some

of the pipes made a connection but the pressure is not much improved. Miss Coburn received a radio from Claude to the effect that he will arrive tomorrow, 101.8.

29 Wed.

Claude arrived and at night I joined him & some ship mates at the Coburn's. music etc.
106.8 verb. sub. "

30. Thurs.

Hotter "

December.

1. Fri.

Renewal of water pipes
cost about £16.

2. Sat.

Took Rose to Semaphore
(train) in afternoon
& remained for tea.

3. Sun.

Prof. to dinner & tea
afterwards I went with
him (Douglas) to North
Adelaide.

4. Mon.

Claude broke off his
friendly relations with
Miss Coburn

5. Tues.

My article on "Aquarium"
I had given to Roach
appears in the "Children's
Hour". Wrote "A holiday
note" for somebody.

6. Wed.

Paid plumber £16. 5. 0.
for renewing water pipes
Committee meeting, Dr
Rogers appointed to the
chair: first sitting of
Wood Jones.

7. Thurs

Burning rubbish fire
got out of control of
Claude while I was
in town. Burnt much
of the shade house.

Had a party at night
Claude's malés from the
"Urilla". Attended meeting
Finance Committee. Zool.
Soc. 103°

8. Fri.

Obtained lumber to re-
pair damage to shade-
house - £ 3. 16. 8. -

Heavy rain: -

"The drought is done"
or ~~drowned~~ on the Douglas"
drenched. . true!!

9. Sat

With Claude, put on
half the roof of the
shade house.

10. Sun.

He Prof. to dinner.

in afternoon he took
Claude in side car &
I went on "Douglas" to
the Port. Had tea on
the "Willow".

11. Mon.

Finished shadehouse roof.
Wrote to Bessie Welch
re the U.S. "Curley
Jane" of her father's.

12 Tues.

Claude treated us to
West's pictures, flautist.
in Orchestra played
title's Serenade, beau-
tifully. Attended open-
ing of exhibition by
Technical & Arts Schools.

13 Wed.

Collecting stores for the Pearson Is. trip. Mr. Leicester gave me some baling cloth for the tow nets. Had frames + sticks made for the landing nets.

14 Thurs.

Mr. & Mrs. Reaf. friends of Conan Doyle spent afternoon at Museum. They brought letter from Barrett. Ch. Ch.

15 Fri.

Business of Handbooks finally settled. The Premier will print up to 300 pages annually

in as many parts as
may be offered.

16 Sat.

Claude's invited on the
"Urilla" to dinner &
tea. I voted for the
Federal election.

17. Sun.

The Prof. & Miss Robins
the former to dinner
& tea as usual.

18 Mon.

The Governor. Sir Tom
Bridges visited Museum
officially. (Dr. Rogers.).
Owing to delay of the
Govt. Printer producing
Wood-Jones' "Mammals"
he has a second part-

nearly ready.

19 Tues.

Meeting of Handbooks
Committee. We decided
to issue Wood-jones'
Mammals pts 1 & 2, as
a single part. Howchin's
pt. 1. of "Introduction &
Geology" to follow &
my fishes and balance
of 300 pages for Black
(pt. 2) for 1923-4, vols.
Wrote to Hellowell, asked
him to send me six
pieces, flute & piano-

20. Wed.

Took Rose & Claude to
Xmas meeting of Yorks'
Soc. Met. Rev. Forsyth

from Headingley who is
on a visit. He said he
was often our house &
remembered "Willie and
Edgar."

21. Thurs.

Claude left in "Willie"
to load salt at Edith-
burg for Sydney.

22. Fri.

Arranged to have Thomas
dinner at the "Grosvenor"
Called on the Mitchells
who arranged for us to
sit at their table &
to take us motoring
in the afternoon & all
day on Tuesday.

23 Sat.

Took Rose to town at night a Xmas Eve crowd.

24 Sun.

Took some goods to town for Pearson Es.

Prof. came to dinner & tea after which we went to Lirib's.

25. Xmas.

Rain in morning. To "Grosvenor" Hotel - dinner.

Sat at the Mitchell's table Had some music until rain ceased then in the "Dodge" to Glenelg.

Preparations going on for the 28th. Some of the

Side shows now in full
swing. Arranged pro-
gramme for tomorrow.

A COLD CHRISTMAS DAY.

NEW RECORD ESTABLISHED.

MAXIMUM SHADE READING, 63.8.

Christmas Day of 1922 will be long remembered as the coolest on record for the statistical period of 65 years, and probably since the foundation of South Australia as a British province, for the shade reading up to 3 p.m., at which hour it was taken in a pattering of rain, was only 60 deg. Later in the day, however, during a fairly fine interlude, it advanced slightly, and attained a maximum of 63.8 about 6 p.m.

26. Tues.

Rain - Mitchell rang
me and said the
picnic was off. We
fixed same arrange-
ments for tomorrow. I
catalogued more music.

Two Xiphophorus died
probably owing to the
cold.

27. Wed.

Joined the Mitchells
at 10.0. & per "Dodge"
to Port Noalunga. We
had terrific rain &
under shelter of the
car watched the un-
fortunates caught on
the beach & drenched in
their gala clothes -

28. Thurs.

Put in a layer of con-
crete to form support
for aquariums & also
bed for plants etc in
the new verandah -

Catalogued more music -

29. Fri

Gas stove leaking. found the pipe broken off. So rethreaded and repaired another section of concrete

30 Sat.

Soldered another piece of watchspring to a sluggish key on the flute: the needle springs get loose & twist in their sockets. Did more concreting.

31. Sun.

Used up all my Cement on concrete work: there is little more to do now. Delightful weather.

Prof. " to dinner as
usual. - Brought water
& gas pipes through
verandah wall, put
in taps.

Mon 1923.

1 JAN 1923 - holiday.

Took more goods to town for Pearson Island. Left card at "Grosvenor" for Rev Forsythe. Received letter from Mrs Waite.

2. Tues.

Delivered Pearson Island goods to University for transmission to boat.

Ordered cement and at night finished the long length of concreting.

3. Wed.

Left Port at 4.0 in the Wokato, following being on board: —

T. Woodfries.	mammals
T. G. B. Osborn	botany.
W. D. Campbell	insects. etc.
J. B. Eldredge.	birds
E. Eldridge	
W. A. Clunies-Ross.	culinary. }
Betta Clunies-Ross.	
self.	fishes. etc.

4 Thurs.

Called at the Allthorps &
the Neptunes. Campbell
got 2 lizards at latter.

5 Fri.

Landed on Pearsons Is
at 6.25 am. with stores
put up 2 tents and
a "fly" for dining under.
Spent this day getting a
knowledge of immediate

surroundings. On land
lines got Pseudobabrus tet-
neus, Ptilabrus laticlavus
Achoerodus gouldi
found Chilomycterus (3 rooted)
Wood Jones caught rats,
alive + dead. Claud shot
Black ^{Oystercatcher} ~~Stilt~~, Tin Tack, Silver-
eye. also Mutton birds.
Blue Penguins under the
granite boulders. Inspected
the gap between the two
islands, (which we shall
have to cross) Plenty of
seals, also carcasses which
had been skinned, by
whom? Saw Cape Barren
Geese. Parrakeets, Crows

6. Sat.

Made a general tour of the southern parts. Got lizards. Amphibolurus, 2 Lygosoma & Phyllodactylus Fishes Achoerodus gouldi Pseudolabrus laticlavius and P. tetricus also a Chironemus?

7. Sun.

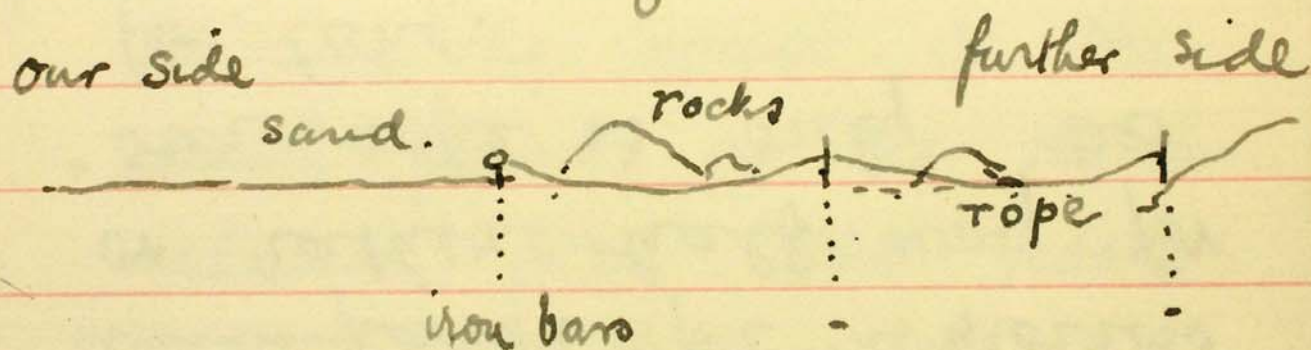
Toured the coast of the south part of the north island for rock pools but with miserable results. At dusk dug into rat holes: there were plenty of the fluffy animals running about & Wood Jones caught

examples in every trap
set. To day the rope
was stretched across the
division between us &
the norther portion in
anticipation for tomorrow
or rather half way for
our rope is only 60
ft. long.

8. Mon.

Donning bathing suits
in view of the presence
of ladies, all the men
of the party crossed
the bar, a somewhat
hazardous proceeding.
I worked the shore &
got *Pseudolabris* and
a big Groper, which

nearly straightened the hook. While I was away from the rocks collecting bait, a pacific gull investigated my baited hook on the rocks & got mixed up with the line. It became a specimen for the Ornithologist (Cleveland).



The water was higher in returning & the big waves knocked us about, but the rope proved our salvation. Wood Jones

+ Eldridge remained over night on the further side. At night we went rat-hunting more for the fun than for rats as the traps supplied as many as are wanted.

9 Tues.

worked a rock pool, but I had not enough lime for the amount of water got some Cristiceps + Ophielminis, nudibranchs rat hunting at night: this is done by walking round the granite slopes flanked with vegetation among which the rats burrow. At dusk they

emerge & bolt from
stone to stone as each
is successively lifted.
They are supposed to be
M. greyi and are fluffy
balls. They do not run
very fast but few are
caught.

10. Wed.

All the party, myself
accepted went across
the gap to the north
part of the island. I
was a bit seedy and
had a quiet day. col-
lected and photographed
stones in situ in the
carcasses of dead seals
which abound, someone

having landed the island
for the sake of the pelts
which fetch $3/6$ each.

11. Thurs.

Shot a small bull seal
for following purposes:—

Skin for Museum.

Internal parasites

Blood temperature.

position of stomach stones.

It was a morning's job
skinning for Museum use
& in afternoon treated the
skin. Wrote sketchy ac-
count of trip for the
newspapers. The wind
being in the east, we were
troubled with driving sand
so I transferred my couch

to the higher granite slopes, but granite is proverbially hard.

12 Fri.

Up early in anticipation of the coming of the "Wookata". but the heavy ^{weather} will delay her. packed blouguig and salted the seal using the camp's supply and also some excellent crystallized salt from holes in the granite reached by spray only. I went down to the beach to photograph a cow seal & her cub but manoeuvring for a good position the seal [49]

gradually shuffled from
rock to rock down to
nearly sea level calling
her cub after her. She
finally entered the water
& reaching for the cub
dragged it in. She then
swam with it some dis-
tance out holding like
a cat, her kitten. She
made across the bay
accompanied by the cub-
which she assisted through
the breakers. It took her
half an hour to cross
but finally landed on
sloping rock, avoiding
many dangerous rocks,
en route. I should say [50]

it was the cub's first experience of water but it battled bravely against the raging surf the mother appeared to want to take her cub out to sea where the water was smoother but it held back & hugged the shore though all the time the mother continued, by calling, to try to induce it to go further out. The vessel appeared at 11.30 and we had sensational experience getting aboard the whale boat, some account of which I [51]

will write for newspapers.

13 Sat.

wrote account of trip
which the others looked
over. Head winds & heavy
seas delayed us so that
we did not reach Port
till 10.15. Met by a
1 ton Ford lorry on which
we packed goods & our-
selves on top of them.
delivered belongings at
University & caught last
train home.

14 Sun.

Typed clean copy (3)
of account of trip for
newspapers & delivered
them at night. Made

new water connection to
shade house replacing the
lead with iron piping.
Learned that Claude is
in Pt. Pine having been
placed in Wireless charge
of one of "Billy" Hughes'
boats the "Australmount"

15. Mon.

To Museum. Unpacked the
goods, some of which are
saturated. it is doubtful
if the seal skin can be
saved. Sent photo. films
to be developed by trade.
Among letters. one from
Kilburn Scott.

LONELY ISLAND.

Scientists in the Bight.

By a Member of the Party.

Members of the scientific expedition which left Adelaide on January 3, for the investigation of lonely Pearson Island, in the Australian Bight, returned by the steamer Wookata late on Saturday evening. The party consisted of Professor Wood Jones and two daughters, Professors T. G. B. Osborn and J. B. Cleland, and Messrs. Edgar R. Waite, D. Campbell, and E. Eldridge. Fine weather generally was experienced, but strong winds occasionally made conditions unpleasant. One day, when members returned to camp they found the tents blown down and various belongings scattered far and wide.

The Pearson group, which consists of five islands, was discovered, and named by Flinders, and since that time it has been only occasionally visited. Geologically, it consists almost wholly of red granite, with occasional tracts of limestone. The three northern islands are virtually connected, but some more specific naming of the several components seems to be called for. The party pitched camp on the middle of the three northern islands where the only available landing exists. As, however, the northern island provides the richest hunting ground, it became necessary to cross the tumultuous sea-swept gap which divides them. To effect this, the pioneers of the party drove iron bars firmly among the rocks to which stout ropes were stretched from shore to shore. By this means, each member successively crossed and recrossed, but was subjected to severe buffeting by the breakers. The necessary appliances had been kindly supplied by Capt. George Justice. The group was pretty thoroughly explored, and valuable collections of both animals and plants were made.

Among the Seals.

The hair seals were the first to demand attention, for they greeted the new arrivals in the whale boat at sea long before the shore was reached. Afterwards they were ever in close attention, and became increasingly tolerant of the presence of the party, members of which were careful not to molest them. By the time the Wookata reappeared on Friday, certain of the seals had become so tame as to allow themselves to be patted on the snout. Maternal love was illustrated in a striking manner as witnessed by two members who sought to photograph a cow seal and her young calf. Ordinarily a cow may be easily approached, but when she has a young one by her side she becomes alarmed for the safety of her offspring. On the occasion mentioned, the cow gradually led her baby from rock to rock until she reached one not more than a couple of feet from the water's edge. Entering the water she reached up and, taking her calf by the neck, as does a cat her kitten, she swam with it a hundred yards seaward, and then let it go. It swam by her side, but she tended it most carefully, and assisted it through the heavy breakers right across the bay, a swim of quite half an hour. There could be no doubt that it was the little animal's first experience of the water.

A Pitiful Sight.

All the rocky slopes leading to the water revealed a pitiful sight. They were strewn with the remains of seals that had been ruthlessly slaughtered by visiting vandals, solely for their pelts, which, it is understood, fetch $3/6$ each, but how any one could trouble to kill a seal and skin a seal for such slight return passeth understanding. No fur seals were seen, as these have been killed off years ago. One hair seal was required and shot in the cause of science for the following purposes:—As a specimen for the Museum, determination of the body temperature and the microscopic examination of the blood, the nature and situation of parasites both external and internal and the exact position in the alimentary canal, of large pebbles, nearly always found in seals. Many interesting observations on the life habits and a good series of photographs were obtained.

Rats and Wallabies.

The next animals in evidence were rats, which are extremely numerous all over the islands. They are bluish-grey in colour and have short bodies and long hair which gives them a ball-like and fluffy appearance when sitting. They emerge from their retreats at night and their chase over the granite slopes provided some physical exercise as they dodged from rock to bush, and from bush to rock. Very few, however, were caught in the chase, but the traps provided as many as were required for the purpose of study. The boulders on the northernmost part of the group provide cover for small rock wallabies which are peculiar to the island and have, in consequence, been named *Macropus pearsoni*. They are remarkably agile and very inquisitive and doubtless wonder what strange creature has appeared among them. No bats were seen, but bones of sheep confirmed a statement that these animals had been put ashore at some previous date.

Birds and Lizards.

The usual sea birds people the coast—gulls, terns, shags, oyster catchers, and a few sea eagles, while little blue penguins croon from the crannies of the rocks. Circling round the highest peak of the group (781 ft) were a pair of red-tailed tropic birds. Flocks of little parakeets frequented the vegetation on the slopes and crows watched the proceedings of the party with interest, but at a respectful distance. Among the smaller birds, silver eyes, thickheads, red-capped robins, and swallows were commonly met with, but no introduced species of birds was obtained. Sitting on the rocks in the sun were many gorgeously-coloured agamoids, which cocked their heads in a most ludicrous manner, and ran for cover when too closely admired. Skinks and geckoes abounded under stones or beneath the carcasses of massacred seals. There is no permanent water on the islands. Consequently frogs do not exist, and it may be confidently said that snakes are absent. The mention of water recalls the fact that all water required had to be taken there, and a still was included in case of necessity, which fortunately did not arise.

Fishes and Vegetable Life.

The high seas prevented much line work, but some rock fishes were taken, including brilliantly-coloured rod cod of several species, snook, sea carp, and others. The most appreciated in the culinary department were large blue groper, which formed a much appreciated variation on the "bully beef" menu. Some interesting little fishes, preserved for further examination, were taken in rock pools, of which very few workable formations were found. Splendid collections of insects, spiders, and other creatures were made but their precise determinations could not be made in the field, but it is probable that several new species were taken. Fifty species of flowering plants were collected, including a grass, probably introduced with the sheep. A characteristic feature of the vegetation on the highest peaks of the islands is the dense forest of sheoaks, the ground beneath which is carpeted with mosses and ferns, doubtless most luxuriant in the wet season. Saltmush clothes several of the lower slopes. The colours of the vegetation on the limestone ridges near to the sea excited much comment, the silver-grey of the saltbush mingled with the orange and reds of the pigface, the deep maroon and sage green of the smaller plants producing most harmonious combinations. A small collection of seaweeds was made, but the coast is unsuitable for much work on these interesting forms of plant life.

Exciting Experiences.

Of the many experiences that fell to the lot of the party, that which will be most readily remembered was provided by the closing scene. The Wookata was due on Friday morning, but, owing to big seas running, as the result of a continuous easterly blow, it really became a question with those ashore if the party could be taken off. Although stores were packed, the water remaining in camp was carefully conserved and tents were left standing until the vessel appeared. Manned by a study crew, the whale boat was put off and anchored fore and aft some 100 yards from the shore in about 5 ft. of water. The conveyance of passengers and stores from the beach to the boat proved most thrilling. Huge waves drove

back the carriers again and again. Boxes and packages of various kinds were driven out of grasp, and had to be recaptured from the turbulent waters. Cameras and scientific instruments received special consideration, and were, for the most part, landed in good condition, but clothing and other trifles were generally saturated. The ladies were carried shoulder high by brawny Norsemen, but mere man had to shift for himself. Arrived on board the Wookata Capt. W. F. Lee and his officers made every one as comfortable as possible, provided dry clothing, and generally attended to the welfare of their passengers. The Pearson Island group enjoys the protection of the Legislature, being proclaimed an animal sanctuary, but the Minister of Industry was good enough to issue a special permit for the scientific investigation of the islands. Special mention must be made of the generosity of Sir George Murray, the Chief Justice, who paid the transport charges of the entire party, and thereby rendered the investigations possible. The collections will be worked out by specialists in the various branches of science represented, and the results will be published by the Royal Society of South Australia.

16. Tues.

30 good negatives of the
balance of 6 spools (30)
4 films had not been
exposed charge for de-
velopment 7/6. or 1/3
per spool - Returned

the 30 negatives for
printing. Claude tele-
phone from Pt. Pirie to
effect that he would
come to Adelaide for a
day or two before sail-
ing for London, wrote
& telegraphed to him.
Pulleine invited us to
dinner on Thursday.

17. Wed.

Examined fishes taken
at Pearson Is. One, a
Chironemus, may be new.
Commenced to make a
drawing of it. Selected
P. Is. negatives for printing.
Was to. Yorks W. Port
for E. Kilburn Scott. [63]

18 Thurs.

A second copy of Y.W.P.
(from Mr? W.) this issue
contains a notice of the
old school by Scott &
the following refer to me

The naturalist of the School was Edgar Waite, who from the Leeds Philosophical Hall went to the Government Museum in Sydney, New South Wales. He made the originals of the wall diagrams of snakes which are in every school in Australia, for it is the practice to teach children to distinguish between poisonous and non-poisonous, and what to do in case they are bitten. In 1910 he went to New Zealand, and did important work in connection with fisheries, and he is now curator of the Government Museum in Adelaide, South Australia. Edgar Waite spends his vacations in odd corners looking for natural history specimens, and he can live the Crusoe life as well as any man in the Antipodes. I went on one of these trips, and part of the time we camped in a bush-ranger's cave and lived principally on soup which he made from tails of Wallabies. It was strong stuff.

We certainly had a good grounding in physiology, and ought to have done better at the examination, but there was generally some awkward compulsory question. One was about the jawbone, and it was funny to see the boys feeling their jaws and working them about so as to be able to sketch the shape and action. Edgar Waite was the "ringer" that year, because he dabbled with skeletons and uncanny things.

Claude arrived this night
the "Australmount" is to
sail for Bari, in Italy
on Wednesday.

20. Sat.

Received "Extasy" from
Hellowell one of the
Hut'e - piano pieces I
ordered. Put in new post-
in Shade house to replace
one eaten by Termites.

21. Sun

Watson to dinner & tea
after which we motored
to Limbo.

22. Mon.

Claude received word to
say his boat was to
sail from Port Pirie [67]

at 9 am. tomorrow. he
left by the 4:40 train.
Pressman selected from
Pearson Is. photos. taken
by Wood Jones, Campbell
& Self. Read over Wood
Jones U.S. of Mammals
for the Handbook.

23 Tues.

Sent U.S. of Mammals to
Gov. Printer. Hot. 107°. Put
Pearson Is. objects in the
"Recent Acquisition Case".
Executed transfer of eight
Electric Supply Co's shares
from Hale, who had ob-
tained them for me. to
self.

24. Wed.

The following, which I wrote
appears in the newspapers

VIOLATING A "SANCTUARY."

Some of the spoils of the recent expedition to Pearson Island are exhibited in the "Recent Acquisitions" case at the Museum, North-terrace. The doings of the party are illustrated by means of photographs which show the geology and vegetation of the island group, also some of the animal life. Seals are well depicted, some of the pictures showing how tame the animals became within the course of a few days. Photographs of skeletons tell a two-fold tale. They illustrate the ruthless work of some law-breaker, who, it is said, raided the island and killed and took the pelts of 90 seals, for which the sum of 3/6 each was obtained. Yet Pearson Island is an animal sanctuary! The photographs also show numbers of large pebbles swallowed by seals for some unexplained reason. Actual stones removed from the carcasses are exhibited. One set of six stones weigh three and a half pounds. The skulls of a number of seals are likewise exhibited. They show that the animals were slaughtered by clubbing and by rifle or revolver shots.

Received £2. 2. 0 from
the 'Register' for article
(see 15th) and placed the
sum to our General $\frac{1}{4}\%$.

25. Thurs.

The "Observer" prints a
page of Pearson Island
photographs, mainly mine.
In connection with the
Annual Outing of the
Aquarian Soc. to Murray
Bridge, Foster offered me
a seat in his car on
Saturday.

26. Fri.

In connection with new
number of the 'Records'
I supplied titles of papers
for Committee, putting [70]

myself down for "Illustrations
of some Ethnological Objects
from Groote Eylandt etc."

27. Sat.

Looking up petrels in
Mathews "Birds of Aust." II.
(p. 248.) find that he has
quoted my notes on the
Wandering Albatross, Sub Ant
Is. N. Z., *D. melanophrys* etc.
Skua Gulls etc. Left at
12.40 with R. Foster (and
Mr. Ridgeway) in Auto-
mobile and arrived at
Murray Bridge about 4.
Joined those already in
camp. Stokes, B. Beck-
Carpenter, Boyes, Hale.

28 Sun.

The dykes are much overgrown with rushes & little room for working the net. Got following fishes:- Carp, Callop. ^{Melanostomus} Atherines, Pteropinna & on lines Murray Cod - 4 angora rabbits living in the travertine & apparently releases were caught & taken away alive for members' children.

29 Mon.

Left at 2.30 by car & arrived 5.30. a big railway smash in town this morning Met Capt. Formley: he said he would come to tea 30th.

wrote to Council Clerk
re annoyance of calves
~~next~~ door. The "Mail"
of Saturday contains a
characteristically egotistic
article on the Gen. Sec.!

30. Tues.

Took photo. of beetle for
reproduction in my holi-
day article for S. A.
Naturalist. (see Book 69.)

31. Wed.

Received notification that
I have been elected
C.M.Z.S. one of 200.

February.

1. Thurs

At Waterman's invitation inspected Murray Cod & "Trout Cod" the two are readily distinguishable but is the difference sexual as supposed by M^r. Coy? Aek² letter fr. Zool. Soc. Took Rose to Majestic: the "star" turn was a troupe of trained animals, dogs bears monkeys & the "rare S. African ant-eater". The bears were sun bears & one riding its bicycle, with reluctance, tore the trainer's coat & arm pretty badly. the man had

to retire to the wing
to be bandaged & was
unable to use the arm
when reappearing. The
"nut-eater" was a Nasua.

2 Fri.

Radio from Claude - well -
invitation for lecture fr.
"League of the Empire - S.A."

3. Sat.

Accepted invitation to lecture.

4 Sun.

Watson to dinner. Carpenter
came in evening & we
arranged for the Prof
to operate on him (for
hernia) on the 12th.

Rose decided to leave for
Sydney on 14th.

5 Mon.

Meeting of the Handbooks Committee. Note on the fishes accepted for publication after Wood Jones Mammals, part 1. Application to ~~the~~ be made to Board for use of blocks.

6 Tues.

Council meeting of Roy. Soc. 4.30.

7. Wed.

Paid Federal Income Tax £33. 15. 10. Museum Com. preceded by Annual Inspection of Museum. Board recommended to lend fish-blocks for

The Handbook.

8 Thurs

Booked railway passage
for Rose to Sydney on
14th ~~attended Council~~

9 Fri.

Govr. Printer wants my
MS on Fishes for The
Handbook.

10. Sat.

The Mitchell's took us per
the "Dodge" to Glenelg.
102° 8.

11. Sun.

Watson to dinner. Mr
Price came at 3.0 &
took him & Rose by car
to Jumeracha. Both re-
turned to tea 100° [77]

12 Mon.

Sent 'introduction' of my fish-book & illustrations for new blocks to Govt printer.

13 Tues.

Raven - collector for Amer. Mus. Nat. Hist. spent day with me. " took me to lunch

14 Wed.

Saw Rose off for Sydney 4:30. Raven went by the same train. I had taken him to lunch. in return -

15 Thurs.

Saw proofs of second instalment of Wood-Jones Handbook on the Mammals.

16 Fri.

Telegram from Rose, arrived
in Sydney. Called to see
Carpenter in hospital/V.T.S.
Aquatic Life contains my
note on "Sense of Smell
in Fishes"

17 Sat.

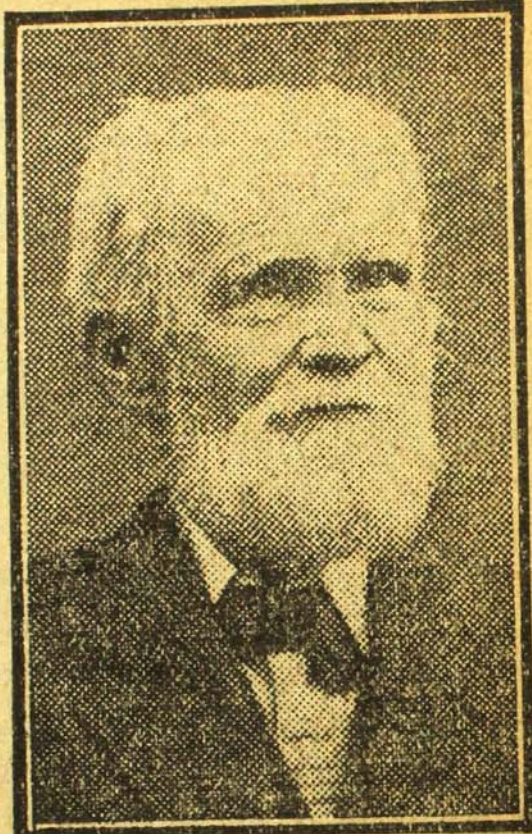
Old Tepper died yesterday.
Put up some laths in
shade house to replace
those burnt.

18 Sun.

Further catalogued flute
music.

19 Mon.

Ordered Tee iron for
the Verandah. Aquarium.



Mr. J. G. O. Tepper,
whose death was announced in this
column yesterday.

Mr. J. G. O. Tepper, F.L.S., died at his home at Norwood on Friday, at the age of 82. He came to South Australia in 1847, from Germany. He joined the Education Department as a school teacher, and continued in that work for 15 years. In 1883 he was appointed natural history collector for the Adelaide Museum, and from 1888 until his retirement, on June 30, 1911, he was entomologist at that institution. He first devoted his attention principally to insect life, and subsequently had charge of the collection of coins, and was Museum librarian. During his 28 years' service at the Museum thousands of specimens passed through his hands. Always interested in Nature study, Mr. Tepper was for many years connected with the Royal Society, the Field Naturalists' Society, and the Astronomical Society. On several occasions he occupied the presidential chair of the Field Naturalists' Society. He was made a Fellow of the Linnean Society (London) in 1879, was a Life Fellow of the Society of Science, Letters, and Art, London, and won the medal of that institution with a paper on "Flowers—Their Origin and Uses." He was a man of kindly disposition, and highly respected by all who knew him, and he did much valuable scientific work. Upon his retirement from the Museum his colleagues presented him with a Morris chair, and it was while reclining comfortably in it that he passed away. His only attendant was his devoted daughter, Mrs. Cowan. Mr. Tepper had been very friendly with the late Mr. Clement Wragge, the well-known meteorologist, and in a letter Mr. Wragge sent to him in November last, a few days before he died, in New Zealand, he gave his friend some advice on "how to keep young," and concluded by saying, "I pray God will bless you, and that eventually we two kindred spirits may meet on the other side."

[79a]

20 Tues.

Followed up 'introduction'
by sending portion on the
sharks + rays. of Handbook
to Govt Printer. Letter
from Rose + replied. Have
decided to take in Tidale
as collaborator in Groot
Eylandt Ethnology -

21 Wed.

Attended meeting Yorkshire
Soc. played the flute. }
Temp. 105° }

22 Thurs.

Received Dividend Warrant
for N. 2. Refrigerating Co
for £26. 5. 0. so the
Co. cannot be said to
be in a bad way. The
weather also is high. 108°

23 Fri.

Received 2 lengths (28'6")
Tee iron for Verandah-
Aquarium & knocked out
bricks in readiness.

24 Sat.

Bought chain drill at-
tachment ($\frac{1}{2}$ ") wholesale
14/- for drilling Tee iron.
Received first proofs of
the Fishes Handbook -

25 Sun.

Worked at iron for the
Aquarium house, drilled
with the attachment (see
24th). Pullen called &
showed me a "grave
stone" he had just got.
30" in length.

26. Mon.

"Australmount" reported
as having passed Perim
Letter from Rose and
replied.

28. Wed.

Spent evening at Mr
Kays. flute.

[701]
March

1. Thurs.

Wood Jones invited me
for fishing excursion on
9th

2. Fri.

Received scrip (8 shares)
Electric Supply Co + $5\frac{1}{2}$
 $\frac{1}{2}$ year interest. Rec^d
paged proofs of Wood Jones'
Mammals. Paid \$2.15.0
for Rose's new spectacles.

3. Sat.

Had stay made for the
Tee iron & fitted it to
the Aquarium wall.

5. Mon.

Took flute to pieces for
new springs & repadding.
Received revise of first
part of fish book

6. Tues.

Obtained 1" standards from
Cann to support the Tee.
Meeting of Aquarium Soc.
New President. B. B. Beck.

7 Wed.

Museum Committee. Non-
acceptance of Botanical
specimens reaffirmed. Wood
Jones referred to the Rev
& inadequately small
notices and to the omission
of my name. Director
to have equivalent of one

day a week for collecting -
reassembled the flute after
repadding and re-spruing
it now want adjusting -

8 Thurs.

Gave a pair of teeth of
Sea Elephant (Macquarie
Is.) to Hoskins: he had
given me some used
dental drills -

9 Fri.

Left at 10.5 with Wood
Jones & family for Port.
days fishing from motor
boat behind Torrens Is.

Tetraodon, Sillaginodes, Aripis
georgianus Nelotes

10 Sat.

To the Grange via Henley.
visited Foster & the ponds
Ready for returning, found
the back type flat. By
pumping & riding coaxed
it to Henley & left at
a Garage, home by tram
in going out I had
called on White.

11 Sun.

While proof reading Frank
Aldridge came in and
I lost some time. I lent
him a book. Adjusted
the flute but it will
take some time for the
pads to press properly
into place.

12. Mon.

Called at Henley for the "Douglas"; a bad gash & defective canvas reported 57-. Returned to Govt Printer proof to No 106.

13. Tues.

Sent new M.S. to G. Print. he now has to No 261. Put Yale lock on door of Aquarium. It was a defective keyless one. I had previously repaired it and altered the tumblers to fit my key. Letter from Hellowell. Ward has supplied Chqs which have been returned so no money so far - [87]

14 Wed.

Made drawing of large
Gnathanaacanthus, 10 1/4 in.

Visited the Aldridges and
Itays. wrote page article
on Aboriginal griddle for
the "Records"

15 Thurs.

Sent some M.S. for "Records"
to printers and drawings
+ photos to block makers.

16 Fri.

Received via N.Z. copy of
Syllabus of Leeds Nat. Club.

wrote chatty letter to Hon.

Sec. and gave him my
"new" address. Designed

+ made drawing of Electric
thermostat for Aquarium.

17 Sat.

Completed and erected the 5th and last standard for the Tee iron.

18. Sun.

Prepared switchboard for Verandah. rewashered taps in house. had dinner with Mr. Gardiner.

19 Mon.

wrote to Mr. Culloch. Put in new inner tube in "Douglas" back wheel.

20 Tues.

Cemented some of the Aquarium standards in place.

21 Tues.

To Theatre. Allan Wilkie.

in "King John". Joined the
gangs in the Circle. They
motored me home.

22. Thurs.

Council meeting Roy. Soc.
Handed in title for in-
clusion with Pearson &
results, (mine on fishes).

23. Fri.

Wrote to Wilfrid. Ordered
Jordan's Autobiography \$15.
(see over).

24 Sat.

Watson had dinner with
me in town & spent the
afternoon at "Kirkstall"

25 Sun.

Wired switchboard for the
Aquarium.

26 Mon.

Howchin told me that Speight had been chosen as Chairman of Geology Section of A.A.A.S. which meets here in August. Current "Mail" contains interview with van Raalte on Art Gallery.

27. Tues.

Letter from Claude, his objective is Barry in S. Wales. Received galley 22-30 and pulls of illustrations for Fish book.

28. Wed.

Wrote to Speight & to Rose, enclosing Claude's letter,

*The Days of
a Man*



The AUTOBIOGRAPHY *of*
DAVID STARR JORDAN

29 Thurs

Engaged a man to work in garden on Easter Mond. The printing of the Handbook is going ahead. To day I received galley's to 46 species 316. Bought a "Singer" sewing machine motor with foot regulator in Auction Room £3.10.0. Rogers - University - made me a bulbed tube of pyrex glass for Aquarium thermostat.

30. Good Friday.

Cemented further standards in Aquarium, and made good brickwork disturbed by operations.

31 Sat.

Made Head-piece for
thermostat with "contacts"
etc. Finished cementing
standards.

April - 1923.

1. Sun.

Wiring in aquarium for lighting also for thermostat; blower etc. Easter.

2 Mon.

Holiday. Made box for fuses and switches and finished the main wiring. Wrote to Mr W. Leeds. Man - Gutheridge - at work in garden 13/-

3 Tues.

Back to Museum. Had man again at work.

Saw paged proofs of 1st part of Handbook. Tried thermostat connections & found in order.

4. Wed.

Museum Committee met
Harvey Johnston; he is
to be added to Honorary
Staff of Museum as
Hon. Curator in inverte-
brate zoology.

5. Thurs.

Thurs.

Owing to difficulty of
imposing large block &
short text I have to write
some padding for the
Handbook. Wood Jones'
Mammals, published -
Letter from Rose she
announces intention of
returning by train on
the 20th.

6. Fri.

Put toluol + mercury into tube for thermostat, but the float is not sensitive wrote to Rose - (N^o 8).
Attended Finance Committee of Zoological Society.

7

Sat.

Fitted up an incubator thermostat and attached head-piece and contacts it is too clumsy for actual use but will try the principle.

8. Sun.

Had dinner at W^{rs} Gardin-ers. Tried thermostat which responds well under water.

9 Mon.

Owing to difficulty in imposing the fish blocks in the their proper places, I have had to do much shuffling with the pages and had two inset blocks cut for space.

10 Tues.

Had tea with the Wood-Jones finding my left shoulder stiff with rheumatism commenced Indian club exercise but found my actions greatly restricted.

11. Wed.

Adapted telephone switch-board plug as contact break for thermostat.

12 Thurs.

Proofs of Records. ii. pt 3
now coming in. Suddenly
a form of Ringworm de-
veloped in right axilla.
Attended meeting Royal
Soc. Contributed article
on Fishes. Pearson Island
evening.

13 Fri.

Treated the ringworm with
Carbolic acid. Sensation!!!

Charwoman failing to
turn up did some house
cleaning. Wrote to Rose
(her birthday sent £10)
She says she will be
back on the 20th inst.
(next Friday.)

14 Sat

Did more cleaning. Watson
& Butler called at house.

15 Sun.

Indexed first part of
the Handbook to the Fishes
More cleaning. Armpit
very bad.

16 Mon.

Obtained iodine for the
ringworm. Pain well-nigh
unbearable. Received In-
come Tax Assessment
for State £15. 11. 1, due
May 14.

17 Tues.

Watson tells me he is
leaving Adelaide on
26th for Norfolk Island.

Received 2nd part of
paged proofs of Fish
Handbook: it makes 234
pages without the Index.
To make sure that I had
killed the Ringworm I
had given the Seal of the
trouble a copious treatment
of Iodine in the evening
& I had an agonizing
night, was unable to go
to bed and spent time
in bathing & so on.

18th Wed.

It appears that the axilla
was raw with the pre-
vious application of the
iodine and the place is
now a series of blisters

broken & unbroken. a
vaselined pad of wadding
gave much relief. Atten-
ded meeting Yorks' Soc.

19 Thurs.

Indexed Handbook & sent
to printer: the last of the
M.S.

20 Fri.

Met Rose on her return
from Sydney. Mr. Gar-
dner also at station.
All went to 'Kirkstall'
Interviewed applicants
for new assistant and
selected J. Carrwell

comfortable.

CAPTAIN COOK.

HONORED BY YORKSHIREMEN.

The April meeting of the Yorkshire Society, held at the Grosvenor last night, paid tribute to the memory of Captain Cook, who landed in Australia in that month.

Professor Darnley Naylor (president of the society) occupied the chair and was supported by Sir Douglas Mawson, Dr. H. Heaton, Professor E. Coleman Phillipson, Mrs. Darnley Naylor, Mr. E. R. Waite (Director of the Museum).

Sir Douglas Mawson delivered an address on Captain Cook and exhibited the great navigator's log. As Yorkshire people, they were much interested, he said, in Captain Cook, for he was born at Whitby. The speaker told the story of Captain Cook's life and his rise from obscurity to the command of the memorable astronomical expedition to Tahiti. He loitered after the scientific work had been completed, and his dallying in the Pacific led to big results, for in his sailings he reached the shores of New South Wales a little south of the site of Sydney, and entered Botany Bay. "How was it," Sir Douglas asked, "that Cook was so successful? It was a good deal because he was a north countryman. He was stolid and not easily excited. He was also methodical. A man who had risen from the ranks, he understood men and always saw the other man's point of view. Cook knew the importance of what are known to-day as vitamins, and few of his seamen suffered from scurvy. He was recognised officially by official contemporary opinion as the foremost world explorer of any age."

Professor Coleman Phillipson and Dr. Heaton also delivered addresses, and Madame Callow and pupils provided a musical programme.

21 Sat.

Received

wireless

21 Sat.

Received radio from Claude he expects to arrive at Bunbury on 28th.

22 Sun.

Watson to dinner after which Puller came & drove (with self) to North Arm. here we embarked in a motor launch & threaded the maze of mangroves for several miles. Watson returned to tea. He leaves on 26th for Norfolk Is.

23 Mon.

Letter from Claude: he does not anticipate [106]

calling at Adelaide. The
new Assistant Carswell
started to-day. Passed
proof of Index of Hand-
book.

24. Tues.

Sent telegram to Bunbury
telling Claude we will
write to Sydney. Meeting
of Handbooks Committee.
Flora pt 2. to follow the
Fishes.

25 Wed.

Holiday. Azar Day.
Did some clearing-up
at home.

26 Thurs.

Called on Waton who
leaves for Norfolk Is. [107]

this afternoon.

Arranged to clear his room and take charge of his belongings. Gave him a letter to Mrs Nichols. L. Howe stand.

27. Fri.

Removed Watson's goods to Museum Store Room, also his Motor Cycles, B.S.A. and Lewis 2-stroke Paid State Income Tax £15. 11. 1.

28. Fri. Sat.

Made capsule for thermo. stat charging it with unmixed Sulphuric Ether which boils at 95° . I filled it with a Hypodermic Syringe & with a sudden application put

a blob of solder on
the small opening and
sealed it at first trial.

29 Sun.

Completed the "make and
break" for thermostat.

30 Mon.

Sent in final sheet of
Fish Handbook and gave
new name to our com-
mon Spheroides, entered
as S. riebei. It has bars
below the eye suggestive
of tears (S. lacrimosus).
Tried thermostat which
is quite sensitive, but
the capsule may not
expand at low enough
temperature ??

May.

1. Tues.

Meeting Aquarium Soc.
Self on "Drawing for
reproduction". Saw the
Gov. Printer. Decided to
price my handbook at
6/- It will not be is-
sued for about 4 weeks.

2 Wed.

Museum Committee. An-
nounced intention of
taking Annual leave
after issue of "Records"
and asked for 3 weeks
without having to go
beyond border of State.
2 weeks allowed & an
additional week granted

for "Special Services"!!

3. Thurs.

Attended Council meeting
of Roy. Soc. when question
of altering size of the
publication was discussed.
On my motion, decided
that the size should be
Crown 4to. & on Osborn's
that the next vol. should
be issued of the new size.

4. Fri.

Letter from Kellawell
Ward paid rent for Mch.
& £2.5.0 on 4/c of Apl.
rent. Rates etc £12.15.0
so that I am in debit
to Kellawell for 15/-

5. Sat.

Birthday. First rain (except points) this year. tanks filled up - Streets flooded. Dismantled the Air pump I had made, not now needing it. having the "K. D. A. Lift pump". May use the cylinders for an electrically driven pump for the Marine Aquarium.

6. Sun.

Made framework of water piping as stand for the Marine tank, pierced the brickwork and dug holes for the standards.

8. Tues.

'Australmount' arrived in Sydney.

9. Wed.

Arranged for Hale to give the Museum lectures of Art Gallery series.

10. Thurs.

Attended meeting Roy. Soc.
One nominee. Marston -
was black-balled.

11. Fri

Replied to letter from U.S.
Nat Mus & asked that
fish literature may con-
tinue to be sent to me.

12. Sat.

Wrote to Dr. W.K. Gregory
and mentioned an idea

of my going to London
in 1914 and asked if
this could be worked
in with his suggestion
that I should assist
with the Aust. Group
in the Am. Museum.
Excursion, under my
leadership of Nat Club
and Aquar. Soc. to
Grange. We got Aplousactis
alive + Atopomycterus
on the beach.

13 Sun.

Cemented bosses around
marine tank standards
did some patching and
bolted framework into
the wall.

14. Mon.

Black brought me US of
pt 2 of his "Flora" &
I sent it to Govt Printer.
A Flinders Island Snake
is Den. coronoides, but
has smooth scales.

15. Tues.

Received copy of Fishes
Handbook, printed 1 side
so the work has been
machined-off.

16. Wed.

Commenced to colour casts
of fishes at Museum.

17 Thurs

Rose sent telegram to
Mr. Hellowell as she has
not heard from Claude

Reply. "Claude arrived
7th well. writing today"

18. Fri

Following appeared in
"Advertiser" I wrote a
correction.

lights.

AXOLOTL TRANSFORMED TO FISH.

The glass case containing specimens of that interesting form of aquatic life, the axolotl of Mexico, kept in the Adelaide Museum, is attracting unusual attention just now. Two of the creatures have passed the lizard stage, and have become

fish. They have light-colored bodies, with pinkish gills and fins. The presence of axolotl at both stages of their existence is an interesting exhibit.

Watson's friend, Countess
von Zedtwitz advertising
disposal of her property
by tender. Telephoned to
her re the glass fountain
she invited me for Sat
to "talk it over."

19 Sat

Took Rose to Willyama
in afternoon & broached
the subject of the fountain
glass. The old "witz"
had put some ferns
in pots in it & said
she was making use of
it. Had she told me
by telephone it was not
for sale I would not
have wasted a Saturday
afternoon. We then called
at Wood Jones but got
no response to our sum-
mons so left a card.
Sent to ~~Chas~~ Cole's text
of a Standbill about the
Standbooks. Following is [117]

my note on: —

"AXOLOTL TRANSFORMED TO FISH."

The Director of the Museum (Mr. Edgar R. Waite) writes:—Under the above heading you state that two of the living Axolotls at the Museum "have passed the lizard stage and have become fish. They have light-colored bodies, with pinkish gills and fins. The presence of axolotl at both stages of their existence is an interesting exhibit." Axolotls are never lizards and never become fish. They commence their active existence as water-breathing vertebrates, and in the larval stage breathe by gills as fishes do. During growth the gills are absorbed and lungs are developed, when the animals become air breathers, and live mainly on land. No life stage is indicated by the two light-colored specimens. They are merely white varieties. They were always without color and, doubtless, always will be. They are, moreover, the progeny of the normal colored individuals shown in the same aquarium, and if they ever emerge from the larval stage, it may naturally be supposed that they will do so later than their parents, which are still larvae, though capable of reproduction. All the specimens referred to have been exhibited in the Museum for the past three years.

20 Sun.

The two lights I had hung in the verandah being quite dim I altered the wiring from series to parallel & got results.

In view of tar-paving
the floor I cemented in
a drain pipe and made
trough etc.

21 Mon.

Dunstan's men turned-
up to put down the
verandah floor. Night
having been stormy I
sent Hale & Casswell to
the beach. Left flute
with Trevelyan to be ad-
justed. Telegram from
Claude "leaving by
train for Adelaide to-
day".

22 Tues.

Handbook on Fish published
to-day.

23. Wed.

Claude arrived from Sydney, by train.

Sent off some copies of Fish Handbook for review.

I had supplemented my 12 authors' copies by an additional 12 for which I pay 4/6 a copy. These 24 are pulled on art-paper without extra charge.

24 Thurs.

Council meeting of Roy. Soc. Attended opening lecture of Art Gallery Jowden on recent additions

25. Fri.

Have sent following copies
of Handbook away so far.
For review.

Advertiser - Register
Bulletin - Australasian
Nature -

Authors copies

Hale. McCulloch.
Jordan Garman.
Dean. Tanaka.
Longman. Wilfrid -
Lord. Vause.

26. Sat.

Now painting accumulated
casts of fishes at Museum

27. Sun.

Commenced erection of a
new shed for wood etc.
and blacksmith's forge.
Also new run of fencing.

28 Mon.

Ordered iron & timber for
new shed. The Fish book
was reviewed in "Register"
of 26th (see over.).

29. Tues.

Bought 2nd hand, iron
wicket gate 15/- + $\frac{1}{6}$ cartage

Advertiser

THE FISHES OF SOUTH AUSTRALIA

We have received a copy of "The Fishes of South Australia," by Mr. Edgar R. Waite, director of the South Australian Museum. The work forms one of the series of "Handbooks of the Flora and Fauna of South Australia," issued by the local branch of the British Science Guild, an admirable series intended to give accurate information regarding the subjects of which they treat, and they are prepared gratuitously by their authors. They are printed and published by the State Government and are sold at a moderate price. The present work, which contains a large number of well-executed illustrations, will be useful to students and others who take an interest in the subject. It is pointed out that fishes of the same species "vary greatly in size, even at the same age." Dimensions are therefore "expressed relatively in the same individual." Interesting information is given concerning the teeth, scales, and general structure of the varieties of fish dealt with. Other characteristics of the different fishes and fish-like vertebrates of South Australia are described, and the numerous plates assist largely in the work of identification. The interest of the work is added to by the use of common names as well as the scientific and technical designations.

SOUTH AUSTRALIAN FISHES.

A Fine Publication.

When is a fish not a fish? Answer—When it is a jellyfish, or a cuttlefish, or a crayfish (and the silverfish is barred for obvious reasons). To be a true fish—as a true statesman—one must have a backbone, and the invertebrates do not count. As for the whale, it is a true mammal, which happens to have made its home in the sea. These are some of the interesting points to be gathered from a new book, “The Fishes of South Australia” (Government Printer, Adelaide). It is one of the very fine handbooks issued by the local branch of the British Science Guild, Mr. Black and Dr. Rogers having already started on the flora, and Professor Wood Jones on the mammals. Mr. Edgar Waite brought from New Zealand waters a wide experience when he became director of the Adelaide Museum, and with his local investigations he is now well able to check the little work hitherto done by predecessors who (as he had to admit), “working with few books of reference, and often with insufficient training, arrived at hasty conclusions, and sometimes published incorrect determinations, and so burdened the literature of the subject with terms the elucidation of which demands much patient research. . . . Of 14 species of sea-horse listed by a previous writer, at least six were found to be incorrectly determined,” in addition to which five new species and a new genus were revealed by the latter enquiries. However, a catalogue issued in 1921 was fairly up to date, and in particular was valuable for its illustrations. By permission of the Public Library Board, most of these graphic pictures of sea monsters appear in Mr. Waite’s book.

Shark Stories.

Of all the fishes, the shark somehow makes the chief appeal. It is the one which, instead of being sought by man, has a trick of seeking him. By a happy chance, the South Australian coast is inhabited by a philanthropic breed which leaves us free from the tragedies so common on the eastern coast, but the very name can still bring a shudder, and the

sight of a fin in the water will cause a general stampede. Mr. Waite thinks that the little ground shark, being quite fearless and fond of shallow water, is responsible for most of the disasters, the larger kinds, which get the usual blame, being less inclined to attack, and capable of taking a large animal whole instead of merely maiming. He thinks the "gummy" shark often appears on restaurant tables, naturally under other names. In one of his trawling expeditions, elephant shark was served. "At the officers' mess it was pronounced to be good, but all that supplied to the fore-castle was thrown over-board, and the men complained to the skipper that the cook was trying to feed them on shark." The man-eating "white-pointer," running to 40 ft., is quite valuable, being worth up to £40 as crayfish bait, and carrying, perhaps, 200 teeth, triangular, and in great demand as ornaments. Still, the shark will always be regarded with much the same feeling as the snake, and Mr. Waite feels bound to protest against the cruelties often practiced—cutting off the tail, muzzling with a stout piece of wood, or actual disembowelling before casting adrift alive; in such ways do callous men seek to avenge injuries committed by the race. Of course, sharks take up only one section of this book of 230 pages. The "introduced" fishes have an interesting section, and clearly have great possibilities as food. In some of the lakes of New Zealand the brown trout multiplied to such an extent that "tons were removed to relieve the congestion." Somewhat similar is the case with the golden carp here. "I have seen hundreds of thousands taken from the Murray irrigation drains and loaded into carts; but Adelaide did not receive a single fish, most of them being railed to Melbourne, where selling prices are higher than even in Adelaide." Of course scientific names are given in this book. The name "Tommy Rough" would be unknown outside Australia, but as *Arripis Georgianus* it would be recognised all over the world; thus the apparently pedantic practice becomes a necessity. Again, "a dozen different countries may possess a Groper; and all the fishes so called may be, and probably are, different." In its wealth of technical detail, in its striking illustrations, and in being unexpectedly readable, the book is a success from every point of view.

31. Thurs.

Spent evening with W.
Smith photographer to
the "Observer". He has a
collection of air guns, some
of which cost £30.

June -

1. Fri.

Received iron & timber
for new shed. £2 6.0.

2. Sat.

Dug holes & put in
posts for shed.

3 Sun.

Put in gate posts and
took up water pipes to
tramcar.

4 Mon. Holiday.

Extended gas & water
pipes in verandah &
erected the "K. D. A."
pump for Marine Aquar-
ium.

5. Tues.

Received request for [29]

my "report on Biol. &
Hydrog. study of N. J."
of which I am a mem-
ber -" a remarkable
letter from McCulloch
in which he says I have
"studiously ignored him"
in the Handbook of fishes!
Letter from Wilfrid with
birthday greetings. a
sudden attack - lumbago.

6. Wed.

Did not go to work in
morning attended Mus.
Committee meeting in
afternoon with a bent
back. Received flute
from Treselyan not yet
satisfactory.

7. Thurs

Replied to letters from
Mr. Culloch & Andrews
(a.a.a.s.). Sent 2/-
subs. to a.o. union -

8 Fri

Disassembled & reassembled
the "K. D. A." as it was
not working satisfactorily
but, owing to lumbago,
could not do heavier
work.

9 Sat.

Cleland as Sec. of the
Brit Sci Guild received
a letter from Australian
Museum, evidently inspired
by Mr. Culloch drawing
attention to absence of [131]

acknowledgment in the
Fishes Handbook.

10 Sun.

Claude developed Rubella
+ we sent for Dr. Magarey
who diagnosed German
Measles which carries
isolation for 3 weeks -

11. Mon.

As Claude was due to
report in Sydney on the
13th + as he had ar-
ranged to leave today
I wrote to Amalgamated
Wireless + enclosed medical
Certificate. Wrote to Wilfrid.
Asked Dr. Morgan about
the ulcer on my nose -
"A rodent ulcer + must

he removed at once "
Met Pulline. he will
take it out on wed.

12 Tues.

Meeting Handbooks Com-
mittee to consider com-
plaint from Hist Mus.
decided to express re-
gret (see 9th) and to
print a slip acknowleg-
ing source of illustrations.

Wrote and took slip to
Government Printer -
Having been "instructed"
by Gen. Sec. to mark
forthcoming "Records" with
word copyright (7th)
protesting & receiving no
reply. I called on my

Chairman (Rogers) &
at night he rang me
up to say that I might
do as I choose & that
"no action would be
taken".

13 Wed.

Had the rodent ulcer
in my nose removed
by Pulline under local
anaesthesia. Letter from
Mrs Waite, she has sold
her house and will
build at Far Readingley.

14 Thurs

Meeting Roy. Society: I
presented a note on the
Francis Island snakes
and on spelling of

The illustrations are partly the work of the author, but many are reproduced from publications by others. The original source of most of the reproductions was indicated under the species, in the "Catalogue." As, however, systematic references do not enter the scope of the Handbook, a general acknowledgment is here made. The blocks obtained as indicated in the author's preface were prepared from illustrations made by, or accompanying, the writings of—

Bleeker	Lesson & Garnot
Boulenger	Macdonald & Barron
Cuvier & Valenciennes	McCoy
Day	McCulloch
Garman	Müller & Henle
Gilchrist	Ogilby
Günther	Quoy & Gaimard
Johnson	Regan
Jordan	Richardson
Kirkaldy	Saville-Kent
Klunzinger	Stead
Kner	Steindachner (and Doderlein).

Also from a few unpublished photographs, etc., kindly supplied by Messrs. Hale, McCulloch, Phillips, and Waite, and from casts exhibited in the South Australian Museum.

Nuyts' Archipelago. Letter
from Dr. Vauve, acknow.
receipt of fish Handbook

15 Fri.

Goldring Sec. of Fisheries
Assoc. asked me to re-
peat lecture on trawling
in presence of the
Governor, Patron of the
Association.

16 Sat

Dug holes for new wood
shed: they filled with
water as I descended.

17 Sun.

Continued work on the
shed, weather wet &
cold.

18 Mon.

Commenced my leave
weather prospects bad.

19. Tues.

Went to bed with the
prevailing epidemic -
influenza; having got
cold working in the
ground.

21. Thurs

Had to cancel lecture
at Scott's College, this
evening.

29. Fri.

Still in bed, wrote
report for the Museum
Committee meeting
on July 4th

30 Sat.

Rea called to see me.

July.

1. Sun.

Got up to day and attended to some correspondence. Put together some notes for a paper for the Pan Pacific Conference.

2. Mon.

Had a stroll in a gleam of sunshine & at Canns bought 10 metal trays, for which I made a wooden carcass.

3. Tues.

Did not attend meeting Aquarium Soc. I am not going in the night air yet.

4. Wed.

Claude helped me to transfer the Aquariums to their new home, the heated one excepted.

5. Thurs.

Transferred the heated Aquarium, after making the gas connections -
Saw Claude off by train to the Port, where he was to join the Katoomba for Sydney.

6. Fri.

Attended Council meeting of Zool. Soc. - Minchin told me that Dudley Le Souëf was "out of" the Melbourne Zoo.

and asked if I would
not put in for the
vacancy. He. (Munichin)
will not be an applicant
& promised to give me
a letter to the President
of the Board. (Alex.
Currie

AUSTRALIAN BIRDS.

—o—
Question of Export.

—o—
Platypuses Prohibited.

—
SYDNEY, To-day.

When the attention of the Minister of Customs was drawn to the fact that large numbers of Australian birds were being exported to the United States by the steamer Easterner, he said he was having an Advisory Board constituted to advise on the requests to be allowed to export. He added that no more permits to export platypuses would be given.

No more
Platypuses !!

7. Sat.

Wrote Prof. Agar. Melbourne
informed him that I

was a delegate to the
Pan-Pacific Congress, gave
title of a paper "a plea
for the economic investi-
gation of the life-history
of our fresh-water fishes"
& offered a public lecture
on "Trawling in Australian
& New Zealand seas"

9. Mon.

Returned to work; learned
that Hale is to be mar-
ried on 28th. Wrote to
Galding. Anglers' Assoc.
re lecture & offered to
give Handbook for pre-
sentation to Governor
if Assoc. would have
it bound & inscribed.

wrote to Arch^d - Currie
(see 6th) & asked what
steps are being taken
to replace Le Souëf -

10. Tues.

Wood Jones is leaving to
take new chair of
Anatomy at St. Barth's.
Telegram from Claude,
he is appointed to S.S.
'Warspray' Newcastle to
~~London~~. Melbourne. I wrote
to him to Melbourne -
Mae Creswell (Mr. Small-
bone) sent me 'Nelson
Mail' with the following
marked. referring to
'Pelorus Jack'.

Reports of attempts to shoot the fish strengthened the agitation for further measures for his protection. Mr E. R. Waite, Curator of the Canterbury Museum, Christchurch, was one of the supporters of this movement. He referred to the matter at the conclusion of a lecture on "Whales," and, on the motion of Mr J. C. Adams, the audience unanimously resolved to urge the passing of a brief Act protecting Pelorus Jack by means of heavier penalties "for the term of his natural life."

A different story regarding the fish

11. Wed.

Wood Jones retired from the University delegation to the Pan-Pacific Congress & Mawson was appointed. The "Bulletin". June 14 has a brief notice of the Fish Handbook.

One of an admirable series of handbooks of the flora and fauna of S. Aus. issued by the local branch of the British Science Guild. The author, who is the Director of the Museum in Adelaide, has turned out a painstaking, comprehensive and copiously illustrated volume.

12. Thurs.

Reply from Arch Currie
"no steps have yet been
taken to fill vacancy at
Melb. Zoo, but position
may be advertised soon"
Attended meeting Roy. Soc.

13. Fri.

The "Australasian" June 23.
p. 1240 contains review
of Fish Handbook and re-
produces two illustrations
Ophiodurus & Rhycherus

14. Sat

Assembled the 2 cylinder
Aquarium pump & con-
nected the sewing machine
motor to it. found I
shall ^{have} to gear it down. [145]

15. Sun.

Wind rain, hail thunder
+ lightning. no outdoor
work possible. Geared the
motor down to one-third
+ the pumps work well
but jerkily. a fly wheel
is indicated.

16. Mon.

Unexpectedly Tom Medale
dropped in on his way
from England to Sydney.
He has been absent 14
years from New Zealand
having been employed by
Mathews & others. Finished
paper for Pan-Pacific
Congress - (see 7th) Sent
for framing a sketch

by Uncle Banks to give
to Hale as a marriage
gift. Rose is working a
table - centre.

17. Tues.

Paid dog tax 5/- for "Kino".
A collection of Indian
weapons being offered to
me I submitted the offer
to Van Raalte who said
he did not want them.
I therefore bought them
for £ 5 for myself.

18. Wed.

Selected a clock	£ 2. 15. 0
and table ---	2. 8. 0
Revised tablet ---	10. 0
	<hr/>
	5 13. 0

for presentation to Hale. [147]

on behalf of combined
Staffs. Took the Chair
of Ann Meeting of the
Yorks' Soc.

19. Thurs.

Art Gallery lecture, - van
Daele on pigments and
mediums. The first time
I have heard him speak.

20 Fri.

Being an actual delegate
to the P. P. S. C. it seems
that I shall have to
attend all Nat. Hist
Section meetings & there-
fore attend at Sydney
as well as Melbourne.
Previously I had been
a delegate only to

the Universities' Museums
Conference on the Fauna
question - wrote to Claude
S. S. "Wardpray", at N'castle.
wrote epitome of Fishes
Handbook for S. A. Nat.
in response to request
from Ham (Editor.).

21. Sat

Thos Gill. I. S. O. knocked
down by a tram & is
not expected to live -
poor old chap!

22 Sun.

Another wet week end, the
12th - consecutively. I had
bought an electric alarm
apparatus (at auction)
it was out of order so [149]

I took it to pieces & reassembled after cleaning and adjusting. I had to remagnetise a little magnet. I did not discover for what purpose the apparatus had been made & encased in rosewood as for a drawing room.

23 Mon.

Wrote to Arch. Currie of Melbourne (see 9th & 12th) and asked him to let me know when vacancy is advertised. I had previously written to Mr Riefman but am taking no chances of missing the advertisement.

Officially attended funeral
of Thomas Gill - Member
of the Board.

24. Tues. Pulline
Dr Rogers, Perkins, Ward,
Mawson and self are
the probable attendees
at Pan Pacific Congress.

25. Wed.

Letter from Watson to
whom I replied & sent
fish Handbook. He sails
for Solomons Aug. 1st.
Meeting of the Handbooks
Committee adopted my
report for Brit. Science
Guild. Roe & self spent
evening with Mr. Hay
& Mr. Bourgoyne.

26 Thurs.

Council Meeting Roy. Soc -
Owners of original Shares
in Elec. Light Co. entitled
to take up new issue. Hale
surrendered his claim &
I took over the 5 to which
he is entitled paid £5.
Public Library etc. Staff
assembled in Linnisart
Club rooms and I made
the presentation to Hale -
Clock & occasional table -
He marries on Saturday.

28 Sat.

A fine day. ! worked
at shed in afternoon.
Took Rose to Horwood new
picture theatre -

29 Sun.

Promise of a fine week
and failed. The 13th
consecutive wet Sat or Sun
3/4" fell to day. The
moon was due to be
eclipsed but cloud ren-
dered it invisible.

30. Mon.

Lectured to T. M. C. A. on
New Ireland etc. wrote
report. Museum Committee.

31 Tues.

Subscribed (had to!) £1.
towards Billiard table
for Limusart Club rooms.
Attended Ann. Meet. of
Brit Sci. Guild & was
nominated for executive.

I declined on grounds that meetings were held during my official hours. When Harvey Johnson, Cleland Ward & others raised a hubbub & it was decided to ask my Board to ^{allow me to} attend officially I then withdrew objection.

August -

1. Wed.

Museum Committee. Sent
Subscription £4. to Linn.
Soc. Another letter from
Watson wants me to sell
his two motors.

2. Thurs.

Attended adjourned Council
meeting Roy. Soc. to discuss
rules. ~~Sent £4. Linn Soc.~~
(above).

3 Fri.

A third letter fr. Watson
Saw Gard's re valuation
of B.S.A and 2-stroke
with idea of taking a
4. hp. "Douglas". Received
programme of Melbourne
meeting of P.P.S. Congress.

Corrected proofs of 2 short
papers in Roy Soc's Proc's.

Fishes - Pearson Island

Snakes - Francis

Bought more wood & bolts
in hope of fine week end
for shed building.

4. Sat.

Finished wood-work of the
shed. Arranged to have
my "Douglas" overhauled
while in Melbourne and
perhaps a "Binks" carb.
fitted

5 Sun.

Put iron on roof and
one side of shed.

6. Mon.

Finished Annual Report.

7. Tues.

Received £3. from Cant.

Coll. Kunu Soc. publications
(see 2nd). Obtained ticket
for Melbourne 11th. with
sleeper £3. 6. 8.

8. wed.

Two years ago I bought
a military suit. I now
had it altered to fit,
also a dinner jacket.
too large for me round
the tummy. Board paid
£3. 6. 8 for ticket Adel.
to Melb. Sleeper included
but certif Melb to Syd -
was returned to me -

9 Thurs.

Wood Jones is remaining.
The Univ. has granted £300
a year for research. I
told him that it would
appear that the Gen. Sec's
interpretation of the Board's
resolution was that I
should attend the Melb.
meeting of the P-P. S. C.
only: he communicated
with my chairman (Dr.
Rogers). Meet. Roy. Soc.

10 Fri.

Wrote for accommodation
at Windsor Hotel, Melbourne.
Received advance of £40
(ticket £3.6.8) as delegate
to Melbourne & Sydney.

Sent the following to
the "Register" anonymously.

NEWS OF THE DAY.

PAN-PACIFIC SCIENCE CONGRESS.

The following delegates will represent South Australia at the Pan-Pacific Science Congress, which will be opened in Melbourne next Monday: Sir Douglas Mawson (Adelaide University), Mr. Edgar R. Waite (Public Library, Museum, and Art Gallery), Drs. R. H. Pulleine and R. S. Rogers (Royal Society), Dr. Charles Fenner (Education Department), Mr. L. Keith Ward (Mines Department), and Professor Perkins (Agricultural Department).

Sent Prof. Watson's motors
"B. S. A" & sidecar and
"Lewis" 2-stroke to be
sold & my "Douglas"
to be overhauled -

11. Sat.

Left by 4.30 train others
of party being Mawson
Pulleine, Perkins, Ward
& Ewart of Edinbro'.

12 Sun

Arrived in Melbourne on
time, put up at Windsor
Hotel. Met Hedley, Redale,
Cotton, Andrews, D. G. Stead,
Lord, (Josh Mc Cabe, not at-
tending Congress.). Eaton,
Telephoned Mrs Liefman &
had tea & Evening at 8.
Tennyson St. St Kilda.

13 Mon.

Wrote to Rose. Spent
morning at the reception
rooms at University.

got Congress badge,
literature etc and met
many old friends. Had
lunch and the Zoologists
then met in Prof. Agass
lab. Ewart presiding. On
request Hedley gave a
short biographical sketch
of all present. Pullen Lord
& Self visited book shops
& on return to hotel I
wrote to Claude. At
8. attended the opening
meeting of Congress. All
addresses, by American
French, Dutch English etc.
were delivered in English
and all more or less
read, whereas the Jap. [161]

representative delivered
extempore in perfect
& well chosen language.

14 Tues.

Wrote to Claude, who is
about due, then attended
at Reception room & got
letters etc. including a
telegram from "Register"
asking for a personal
column on Thursday.
Invitations from Governor-
General, State Governor &
Dr. Georgina Sweet (supper).
Attended Cartography
section & met Claude who
came to the University
had lunch & to town.
Called on Arch. Currie

re Zoo, but he is away
over week-end. "Excursion"
in afternoon to Museum
under Kershaw, I spent
time at the fishes, with
Lord & Claude, when the
latter returned to his
boat. At the hotel, I
wrote some notes for the
"Register." In evening at-
tended reception by the
Governor-General, a bril-
liant function. (see Sep. 22).

15 Wed.

Called on Spencer, late
of Angus & Robertson, now
a book shop of his own
in Burke St. and has
a lot of "Australiana" [163]

To Rail. Station & booked
for Sydney 22nd £3. 12. 0
including sleeper: thence
to Univ. attended insects
pests & Dr. Rogers came
into the room, having
arrived to day. University
excursion in afternoon
through parks & gardens
met Speight and Kirk
from N. 3. Evening free,
wrote letters and accepted
more invitations - Sent
"Jattings" to Register"
16. Thurs. (see later).

To day's "Argus" contained
a picture of Longman
Gray, Lord & self taken
on the excursion yesterday.

my knee being too
painful for me to join
the excursion, entailing
a walk of six miles,
I went to town & met
Claude. From to St. Kilda
where we had a joint,
returned to lunch &
made some purchases
but wet weather kept
us largely under the
verandahs. I returned
to the hotel & wrote
an epitome, for the
press, of my paper
to be presented on
Monday. At 8.0 I
attended Public meeting
on Fauna protection x [165]

at 9.45 Dr G. Sweets' supper. The conference men arranged to meet tomorrow afternoon.

17. Fri.

Spent the morning at Congress rooms with Lord + Anderson arranging an agenda for afternoon meeting. Fauna protection Conference at 2.0. put Agar in chair + made Lord Hon Sec. After the meeting Lord and I cleaned up resolutions & sent in for typing. As my knee is very painful & I have difficulty in walking I skipped the

Claude Sealed for Newcastle.

State reception & gave the
knee the benefit of a
hot prolonged bath.

18. Sat.

Called at Currie's Office
and he arranged to take
me to the zoo at 2.30.
Had a stroll round the
markets, obtained letter
from Rose and at 2.30
kept my appointment.
Currie explained position
of affairs. Le Souef has
gone to pieces but is
still at the residence
for long service he has
been granted a pension
of £250. The gardens
are regarded as a place

of amusement. a
scientific man is not
wanted. a practical man
is not wanted,! The
present Supt. knows
all about the treatment
of animals. What the
Board wants is a busi-
ness ^{man}, who will boom the
place and rake in the
dollars - and so on !!!

Attended Buck's lecture
on the Maori. In her
letter Rose tells me that
Courroy has been sus-
pended over a case of
2 jarrah posts, about
which an inquiry was
instituted before I left.

19. Sun.

wrote to Rose, Wilfrid
+ Bessie Welch. + Claude
at Newcastle. Nearly
all delegates being absent
on excursions I spent
the morning in preparing
my report on the faunal
Conference. my knee is
improving. Rang up
the Liefman's and invited
any of them, anywhere.
The elder daughter "Dot"
came to town and we
spent afternoon at the
War Exhibition, a large
+ excellent display to be
ultimately housed at new
Capital - Canberra - went

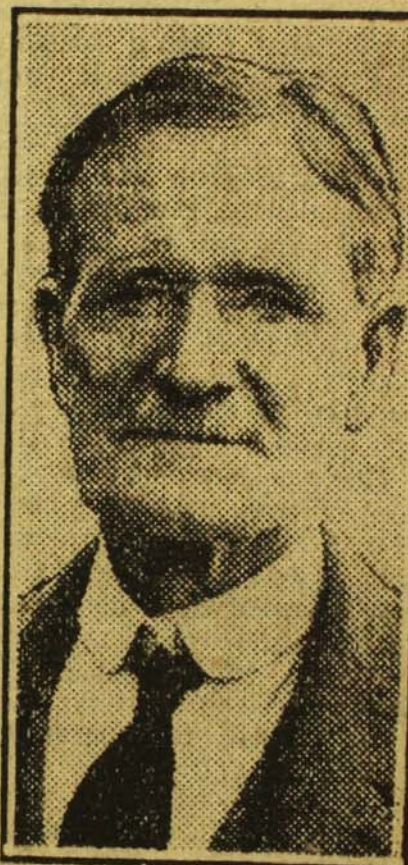
home with "Dot" + spend evening at St Kilda. Mr Liefman gave me this:-

* * * *

Zoo Appointment

I AM pleased to learn that at the meeting of the Royal Zoological Society on Tuesday the appointment of Mr A. W. Wilkie as Acting Director was confirmed. No full Director is to be appointed during the lifetime of Mr W. H. Dudley Le Souef, during whose long illness the whole of the work and its responsibilities have devolved upon Mr Wilkie. I am also informed that when a Director is to be sought, the post will not be "cut and dried" for Mr A. Le Souef, of the Taronga Park Zoo, as was rumored. The vacancy will be advertised.

* * * *



I understood Currie to say "no other appointment would be made during Wilkie's lifetime

20. Mon.

Left my film to be developed: thence to Univ.
Saw Spencer and talked over costs of natives. As he had not seen my last letter & it could not be found I telegraphed for a copy. Letter & telegram from Rose enclosing others. Wrote to Goldring re lecture, in reply. At 2.0. attended the Biological stations & Fisheries discussion & read my paper. (see July 7th). To theatre (complimentary) at night "Gangerine", a spectacular thing of colour & motion. "

21. Tues.

Paid hotel bill £6. 0. 0.
To University where a
general photograph was
taken. Then attended
faunal discussion & in
afternoon excursion to the
Zoo. I skipped evening
at Mrs Knox's.

22 Wed.

Paid hotel charges to date
£1. 1. Left parcel of
books etc. with Spencer^(Book shop),
to be picked up on my
return; thence to Congress
rooms. Got letter from
Hale confirming news of
Conroy's suspension to the
next Committee meeting. [173]

Attended final meetings
when resolutions of the
sections, were confirmed
or adjourned to Sydney.
Thence to Museum, to
see Spencer. Copy of my
letter, telegraphed for,
had arrived and Spencer
asked me to call again
on my way from Sydney
to Adelaide. Left at 5.0.
130 delegates travelling.

23. Thurs.

Arrived in Sydney on
time 10.50 put up at
"The Sydney". Attended
reception by Lord Mayor.
To Congress rooms in the
afternoon where I met

many more old acquaintances, some of whom in 20 years have changed into old men. To Bessie Welch (Petersham) to tea.

24 Fri.

General meeting at the University. Panoramic photograph taken afterwards Taylor took charge of me & hauled me directly behind the Governor, to whom he introduced me. After lunch attended zoological section Flynn on Phylogeny of mammals & Rougman on distribution. I spoke to the latter. Went to [175]

Mosman & had tea with
the Hellowells - 7
wrote to Hale re Courroy.

25. Sat.

At invitation of Harrison
& Waterhouse formed one
of a motor party to Bulli
Pass. 12 cars ran. At
night attended lecture
by Mr. Millan Brown on
Easter Island.

26 Sun.

After breakfast to the
Spit thence to Manly,
where I spent the whole
day basking for the
benefit of my rheumatic
knee. My 'joltings' on
the Congress (see 14th)

Printed in "Register" on
18th.

27. Mon.

Attended at University
Geo Taylor on transmitting
colour pictures by
wireless - very simple!
Thence to town - Called
on Tost + Rohu bought
out by Tyrrell. To
Jugus + Robertson's. Saw
Sheustone + N. W Cayley
who exhibited all his
original drawings and
the photos. for the
Australian Bird book
also some plates for
the Encyclopedia. Acc.
invitation. Convegazione [177]

on Thursday attended
lecture by Gregory on
Hawaii. I had sent
tickets to the Hellowells.

28 Tues.

Sent £5 to Rose. Spent
morning in town visited
Book shops, Priora, the
Aquarium at Farmer's,
Bowling etc. joined the
harbour excursion in
afternoon, visiting the
Zoo. Saw Dendrolagus
matschiei; a striking
species but with quite
characteristic markings
of the genus. We had
afternoon tea at Clifton
gardens - attended [178]

Buck's lecture in the evening taking Bessie Welch & her boarder Miss Ryan.

29. Wed.

Reserved berths for Pullman & self for Friday. Wrote to Claude and Jordan in reply and attended geological section & coral symposium. In the afternoon attended zoological section and demonstrated my note in Fish Handbook on drawing v. photographing in fishes - wrote Hale & asked him to secure my "Douglas" from Gard's.

D

PAN-PACIFIC SCIENCE CONGRESS.

Jottings by a South Australian Delegate.

By Edgar R. Waite.

When the majority of the South Australian delegates reached Melbourne on Sunday morning, they found most of their co-delegates already there, but scattered in many parts of the city and suburbs. The greater number of the overseas members were being accommodated by prominent Melbourne citizens, and delegates from other Australian States were disposed in various hotels. It was not, therefore, possible to count noses until Monday, when the reception rooms were crowded, the official business being to obtain congress badges, literature, programmes, and letters, many of the latter proving to be invitations in bewildering number. Here, too, one met old friends and made new ones, and received and exchanged greetings from others who had been unable to cross the seas. You were introduced to a man from (say) California, with whom you had corresponded for 20, maybe, 30 years, but had seen neither him nor his picture. Such a greeting may be imagined, but I cannot describe it; and this sort of thing was going on all over the room. Here a Japanese and an Englishman were shaking hands in the manner of the proverbial pump handle, and over there a Dutchman and an Australian were doing likewise; and the talking! All were speaking English, but with many strange accents. This meeting of old, yet new, friends is one of the most delightful phases of the congress. Among those whom I knew well by name was Dr. C. M. Fraser, of the Canadian Department of Fisheries, and my first words were, "I believe you have a river of the same name over your way." He said, "That's so, but the river was there before I was."

Some of the Speakers.

The meeting was officially opened on Monday evening when His Excellency the Governor-General was to have presided. In his unavoidable and regrettable absence the chair was taken by Sir David Masson. We were, however, fortunate in hearing the Prime Minister (Mr. Bruce), who, in a clear and well carrying voice, read the address prepared by His Excellency. It is not my business to deal with what was said, but to give a few impressions of some of the speakers. They were called upon in order, and although there was, of course, an individual personality in the speakers, racial characteristics were apparent. The British delegate (Sir Gerald Lennox-Conyngham) spoke deliberately and in correct and studied English, in contrast to the United States representative (Professor H. E. Gregory), who, speaking with a slight American accent, kept his audience alive with humorous sallies. He seized upon a remark made by the President, and emphasized a definition of the word science, which is that "science teaches us how to do things." Professor Gregory spoke without notes, and doubtless spoke the more forcibly therefor; but in the matter of forcible delivery he was eclipsed by our own Sir Edgeworth David, who seconded the vote of thanks proposed to His Excellency by Professor Gregory. France, the Dutch East Indies, Japan, and other countries were also represented by speakers on the platform, but it is only truth to say that Professor Sakurai, of Japan, received the greatest ovation of all. When he rose he quietly put aside the reading desk which others had used, and without a note gave an address which any Englishman might be proud of.

Business and Banter.

I think every one feels and recognises the depth and seriousness of the varied business to be discussed, and yet a good deal of banter is indulged in. The Americans have had a pretty "dry" time of it over the prohibition question, but I heard one, by way of retaliation, point to his badgerer's coat, where the official badge (no joke intended!) was secured by a blue ribbon. I don't think any one will attempt to play jokes on the little men from Japan; they are two dignified, too immaculately dressed, and altogether too polite to invite advances of that nature. We were informed that Japan is represented at this congress by a larger number of delegates than has ever before been sent to any similar meeting. And we can quite believe it; we seem to meet them everywhere.

The Story of Diplodocus.

Here I learnt what is said to be the true story of Diplodocus, bone and drawing of which some of our readers will remember are in our Museum. It appears that in Pittsburg, the home of Andrew Carnegie, an architect had adorned the facade of a new building with the carved representation of a gigantic reptile evolved from his imagination, but built upon the bones of enormous reptiles then being discovered by Dr. Holland. Pointing to the carving, Carnegie said to Holland, "Get me that beast." "But it will cost a lot of money." "I'll give you all the dollars needed," said Carnegie. So Holland got to work. He took out a gang of men to some most extensive swamps, and, after travelling for some days, pulled up, and said to his righthand man, "That's where we'll work." "But nobody's ever been there, and you can't get there." Then said Holland, "That's why we'll go." So they went, and found and disinterred the bones of a reptile 84 ft. in length, precisely that of the skeleton of our Streaky Bay blue whale. This reptile is now known as Diplodocus Carnegiei. To Holland's perspicuity must be added a brimful measure of good luck.

30. Thurs.

To University to obtain
Railway Concession forms
but was directed to see
Brown at Mines Dept.
Obtained forms & took out-
tickets for Pullman and
self for tomorrow.

went to North Sydney
in afternoon, and at
night attended the
Conversazione tendered by
the Royal and Linnæan
societies at University.

31. Fri.

At University obtained letter from Hale, he refers to suspension of Courroy & says Carswell has resigned. Attended meeting Protection of Native fauna. Bought a rug for Rose 37/6. at Government Stores. Left with Pullen by 7.25 train -

September.

1. Sat.

After lunch in Melbourne
Pulleine took me to H.W.
Gill's, 100 Exhibition St.
here we saw remains of
Tasmanian including a
pair of what seem to
be Bratta hands. The
inclusive price is £25.
We called at Spencer's
book shop ~~were~~ but were
unable to secure our
packages. Thence to the
Museum and obtained
my roll of maps, but
saw no one in authority.
Saturday afternoon."

2 Sun.

Arrived at 10.0 Pullene
dropped me at No. 39
on his way home. Found
Rose well but minus
some teeth. Attended 6
aquariums etc.

3 Mon.

at work again Commenced
report for Committee on
Wed. Paid Sub. Nat. Club.
Received £17.9.0 from
N.Z. Refrigerating Co. &
5/2 from Elec. Supply Co.

4 Tues.

3.10.0
Paid Gard's £~~2.9.0~~ for
overhauling "Douglas".
Finished Museum report
but deferred Congress matters.

Spent evening with Rose
at Mr. Hays. As soon as
I return I am being
worried by the Gen. Sec.

5. Wed.

Museum Committee which
sat from 4 to 6 pm.
Courroy's suspension to be
lifted, he to lose one
month's salary. The nomi-
nation of the Chairman,
& as deputy the Director
was reversed. in respect
to the Faunal Advisory
Committee. We had a
lively meeting, Wood Jones
being asked to retract
his remark that Courroy
had been subjected to [89]

The "Third degree":

6. Thurs.

Letter from Watson, now in Sydney. Attended special meeting, Roy. Soc. discussion of rules & by-laws.

7. Fri.

* Death of Dudley Le Souëf, in Melbourne, announced. Wrote to Watson, Sydney. Paid dentist bill 12/6 for Claude.

8 Sat.

wrote to Tanaka, Tokyo, sympathy re earthquake & hoping that he and his had escaped.

* See over.

no more

no more

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The death of Mr. Dudley Le Souef occurred on Thursday at his residence at the Zoological Gardens, Melbourne, of which he was the director. Mr. Le Souef, who was 66 years of age, had been connected with the Victorian Zoological Gardens for more than 40 years. He succeeded his father, Mr. Albert A. C. Le Souef as director in 1902. Mr. Le Souef was a recognised authority on wild animals, and it was through his efforts that many rare specimens were secured for Australia. He was a corresponding member of the Zoological Society, London, and also of the New York Zoological Society, both bodies valuing his opinions highly. Mr. Le Souef took a deep interest in ornithology, and was an ex-president of the council of the Royal Australasian Ornithologists' Union. He was also a member of the British Ornithologists' Union. He was the author of "Wild Life in Australia," and had collaborated with Mr. A. H. Lucas in the publications, "The Animals of Australia" and "The Birds of Australia." Mr. Le Souef had always protested against the wanton destruction of native birds in Australia, of which he had a wonderful collection in captivity. Most of the animals at the Zoological Gardens knew him well and looked eagerly for his coming. The young lion and tiger cubs were invariably treated as pets by the director until they grew too old for such treatment. It will be remembered that some time ago he was the victim of a cowardly assault as he was returning to the gardens with the weekly wages for the staff. Just as he was entering the gate of his house in the gardens two men sprang out at him. His assailants hit him on the head with a sandbag, and leaving their victim unconscious decamped with the money (about £95). They were afterwards apprehended and convicted, receiving a sentence of five years' imprisonment with a flogging apiece. The sentences were subsequently reduced, and the floggings were remitted. Mr. Le Souef never recovered from the terrible effects of this assault, and had been ill for a protracted period prior to his death.

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10. Mon.

Letter from Hellowell, the water service at Skadingley requires to be renewed at price of £10. With Rose at Mr Hays in evening.

11. Tues.

wrote to Kesteren Bullah-delah H.S.W. thanks for paper on "A new interpretation of the bones in the palate & upper jaw of fishes".

12. Wed.

Six or seven Overseas Pan Pacific delegates came via Broken Hill and I took them over the Museum. Wrote to Mr Waite & Mr Hutchinson

DAY, SEPTEMBER 8, 1923. [Te

The Poem That Shocked the Sydney University Committee

Lad's Career Checked By
Hob-nailed Minds

"Truth."

There was a time when Sydney prided itself on Art and Literature, and sniffed at Melbourne and Adelaide; but nowadays One Tree Gully is peering through its bewildered whiskers at the Harbor City.

For writing this poem which "Truth" reprints from "Hermes," Mr. Bert Birtles has been expelled from the Sydney University.

BEAUTY.

(To D.)

Two lone glad doves are sighing on the roof,
Sending in mournful notes past the stars
A faint tremble of wailing joy; the wind
Is carolling, too—on his lute low crying
An infinite gladness, echoing round
The walls . . . Lie still, dear, and rest awhile,
Contented, our longing now appeased,
Till we fall, like dreaming snowflakes, far
Into a void of delightful sleep . . .
Like a gentle wind, I feel your breathing.
And a still joy murmuring, dovelike, through your blood
In satisfied desire

Oh, two hot stars

Leapt up in your mad clasp and kissed
The moon, now glowing past the window ledge
And blotted out my mind And now, you warm,
Still thing, are beautiful as any flower,
Huddled snug to me . . . How sweet you are!
A satisfying relaxation sleeps
Upon your limbs, all beautifully white
As ivory, warm as its touch is cold,
Beneath me, and the fragrant roses spill
Their perfume from the jar. Your moonlit hair
Is on the pillow Oh, move not, dearest.
Unfold not your warm limbs about me; let
Me kiss your mouth, your eyes, your forehead,
And your breasts . . . oh, hold you ever in my arms,
And passionately love your beauty not aloof
Dearest, you are so glad, glad as those
Two birds, aloft, still sighing on the roof.

Bert Birtles.

—and the Silly Beast

The work in the verse, in its purity of what the author has called "Beauty," cannot be challenged as a Spring son—unless the University Noahs have whiskers on the brain.

It seems possible that the Old Folks At Home will yet obliterate the Psalms of David; and as for Bernard Shaw and his "bloodies" on the Repertory theatres; and John Masefield's sea ballads; and Swinburne's lovely Spring sonnets; and Byron's "Don Juan"; and Shakespeare's Venus and Adonis—Tut! Tut!

13. Thurs.

Postponed lecture to Men's League Scotch College, fixed for 26th. (See June 21st).

~~Remained at home~~
~~to the museum~~. Took Rose to the Show but she was no sooner inside than being frightened at the crush went out + home I remained + looked round. Attended meeting Royal Soc. at night.

14 Fri

Rose had the last of her upper teeth removed.

Wrote to Wilfred.

15 Sat.

Telegram from Claude he leaves ^{for} Adel. to-day [198]

16 Sun.

Claude arrived and has to report on Wednesday. Spent evening at Mr. Hays and was initiated into the mysteries of "Bridge".

17 Mon.

Lecture. League of Empire fixed for Oct 24th. Took my lantern to town: it can be fitted with silvered incandescent globe & Oxy-Hydrogen burner & Arc-lamp discarded.

18 Tues.

Claude left for Melbourne taking his bicycle which he had "done-up" and new tyres fitted. Finished

drawing of *fuathana canthrus*

19 Wed.

Presided meeting of 'Larks'
Soc. Musio. I rendered
Titt's Serenade & Beethoven's
Minuet in 2^d. Board met
2 days in advance of
usual time and Courroy's
suspension was lifted as
from tomorrow. Called on
the (Commissioner) Mitchell's
who have just returned
from England.

20. Thurs.

Made drawing of *Spheroides*
entered in Handbook as
S. laerimosus sp. nov. Ar
ranged to exhibit some of
my drawings at Flower Show

21. Fri Zool. Soc. Council.
Found the Toad. to be
S. pleurogramma. Regan.

22 Sat.

Paid Fire Insurance -

Bt. a Phillips lantern lamp.

18/6 + holder 1/6. Yorks' Soc

will pay 10/- for lantern
hire.

ODD GLOVES.

The following incident occurred at the reception tendered to members of the Pan-Pacific Science Congress, in Melbourne, by the Governor-General, Lord Forster. Sir Blankety Blank was entering the reception room in company with a delegate from one of the Australian States, and the latter, on searching the pockets in his coat tails, discovered that his white gloves were not in their accustomed place. He jokingly mentioned this to his companion, who was carrying his gloves in his hand. Sir Blankety Blank immediately divided his pair, and, handing one glove to his friend, each greeted his Excellency with but a single glove, two people only being aware of the contretemps. The incident is worthy of being more widely known.—E.B.W.

IS THIS A RECORD?

What is believed to be a record for

retail price is 30/-

The above took place
on Aug. 14th & I wrote

The note for Bessie Welch
who sent it to the "Worlds
News" Mason & I were
the parties concerned.

23 Sun.

Had a run to see the
flood waters. Another storm
at night. Mr. Gardiner
Mr. Stone & children to
tea. Fitted new fly wire
to front door.

24 Mon.

Made fittings for lantern
lamp (see 22nd). Mounted
some drawings for the
Flower show (Oct. 12 + 13.).

25. Tues.

Mounted Book plate 1st
& 2nd issues for Flower Show.

26. Wed

Lectured to Presbyterian
Men's League on Trawling
and added account of
the Sonic Depth Finder.

27. Thurs.

Attended Council meeting
Roy Soc. "Selected" new
Officers, Mawson & Lea
to go on to Council -

Attended meeting Zool.
Soc. Council & similarly
"nominated" members for
coming year.

28 Fri.

Ordered wood & netting
for frames whereon to
hang my drawings at
the Flower Show.

29. Sat.

Gardis informed me that
they had sold Watson's
B.S.A. Letter from Lord.

October.

1. Mon.

Obtained material, wood
wire + calico for two
13' x 4' frames on which
to exhibit my drawings
at the flower show.

2. Tues.

Wrote report for Committee
presenting Resolutions of
Pan. Pacific Congress.

3. Wed.

Committee meeting. Was
complimented on report,
which was ordered to be
manifolded + sent to all
members of the Board.
Attended Naturalists Club
meeting at Town Hall

at night and allocated
space for exhibits. ~~Sum~~
4. Thurs. £109. 6-8 accounted
for by presentation of
5 matured war bonds at
£10. Interest coupons &
£50 cash. paid into my
S. Bank Ac.

5. Fri.

Attended inaugural meeting
State Advisory Committee
Faunal Protection when
White was appointed to
Chair & Waite as Hon. Sec.
Also attended Council
meeting British Science
Guild. (see cutting)

6. Sat.

Bought 12. 6½% Shares

Electric Light Co. additional to those I have.

Price £12. 15. 0.

7. Sat.

Wed. Burgoyne & Rosenheim
& Mr. Hays to tea - Music.

8. Mon.

Mr. Rushton returned an aquarium jar, (to which he had fitted a tap,) I had lent him a year ago. Attended Council meeting Roy. Soc. to affix seal on new rules.

9. Tues.

Fitted up frames for my drawings for Flower Show. Ordered Zool. Record (Fishes) 1917 to date.

BRITISH SCIENCE GUILD (SOUTH AUSTRALIAN BRANCH)

ANNUAL REPORT,

1922-1923.

During the year the Executive Committee held its usual monthly meetings and one special meeting. Two public lectures were delivered under the auspices of the Guild.

The subjects of chief importance dealt with during the period under review are referred to hereunder.

AUSTRALIAN NATURAL HISTORY HANDBOOKS. Very satisfactory progress has been made with the preparation and publication of the Handbooks under the direction of a Sub-Committee, which has allocated the duties and responsibilities of its members as under: Chairman, Professor F. Wood Jones; Treasurer, Dr. R. H. Pulleine; Editor, Mr. Edgar R. Waite; Secretary, Professor J. B. Cleland. A full list of the books to be issued was given in a previous report. Many of the contributors are steadily at work, and the MS. already in sight ensures an output, at least equal to the opportunities for printing, for some time to come. "The Flora of South Australia," Part I, by J. M. Black (Orchidaceae by Dr. R. S. Rogers), was published during August, price three shillings. Part II, by Mr. J. M. Black, is in the press, and will be issued during the present calendar year. "The Mammals of South Australia," Part I, by Frederick Wood Jones, D.Sc., was published in April, price four shillings. It consists of 131 pages and 88 text figures specially drawn by the author. Part II is well in hand. "The Fishes of S.A.," by Edgar R. Waite, was published in May, price six shillings. It comprises 243 pages and 326 illustrations, most of which were produced from blocks lent by the Board of the Public Library, Museum, and Art Gallery, to which the thanks of the Guild are tendered. Two indexes are furnished, one of Common Names, the other of Genera and Species.

Of the other books of the series, Professor W. Howchin is preparing an introductory volume dealing with the evolution of life in the State from the geological aspect; Dr. R. H. Pulleine is dealing with the Spiders; Professor T. G. Osborn with the Ecology of the Flora; Professor J. B. Cleland with the Larger Fungi; and Mr. A. M. Lea with the Beetles. The remaining volumes by other contributors will appear in due course.

The handbooks are being prepared gratuitously by the authors, and are printed and published by the State Government. The information regarding the Fauna and Flora of South Australia thus made available should prove exceedingly helpful to students, especially youthful ones. It is hoped that the handbooks will serve to encourage scientific work, and prove valuable to the State in connection with its primary industries, such as those of agriculture and stock-raising.

10. Wed.

Holiday Labor Day. Went to town to see procession. Afternoon wet & stormy, Mr Hays & Mr Burgoyne to dinner in evening.

11. Thurs.

Spent evening at Town Hall fitting up my drawings & so missed Ann. Meeting of Roy. Soc. Advised that Cotton my new cadet will start work on Monday.

12. Fri.

Evening at Flower Show.

13 Sat

Took Rose to Flower Show in afternoon and again attended at night and

dismantled my exhibits.

14 Sun.

we dined at Mr. Hays's
and went to Kilkenny
(Mr. Rankine) to tea -

15 Mon.

with drawings etc sent home
photo. gear & cabinets that
had been stored at the
Museum. "Mr. Commissioner"
being ill with pneumonia
I called on Mr. Mitchell.

16 Tues.

Cotton commenced work.
(see 11th)

Attended Advisory Committee
(see 5th) and dealt with
Clarke's application etc.

17 Wed

Meeting Yorkshire Soc. ✓
Lectured on Bismarck Arch^d

12 1054
[211A]

PUBLIC NOTICES.



THE YORKSHIRE SOCIETY OF SOUTH AUSTRALIA will hold its Monthly Meeting at the Grosvenor, North-terrace, on Wednesday, 17th October, at 8 p.m. Lantern Lecture by Mr. Edgar R. Waite, "A Naturalist in the Bismark Archipelago." Musical Items. Roll up Tykes.—W. H. Broadbent, Hon. Sec., 23, Goodwood-road, Wayville. N/

with the new 900 c.p.
incandescent lamp (see
Sep. 22). It worked splen-
dently.

18. Thurs.

Mr. Hays + Mrs. B spent the
evening with us

19. Fri.

Attended Council meeting
Zool. Soc. Gorse nominated
as President vice Simpson-
Newland who had held
the chair for 16 years.

20 Sat.

Made 2 lantern slides
for E.R. Stanley. Pt Moresby,
German colonial mark, with
Paradise bird and map
of N.W. Pacific.

21. Sun

Made glass connections for marine tank & adjusted the "K. D. A." Hung iron gate in new fence. There is a rumour that our parade is to be widened & that 10 ft. is to be taken off the north (our) side.

22. Mon.

Engaged man to clean up the garden & grounds.

23. Tues.

Flower show Committee. was paid the £-32/-. I had expended.

24. Wed.

Lecture to League of Empire
The first cutting was

anticipatory. Reporters
were not sent to the
lecture, the second cutting
is result of prior inter-
view most of the notes
being evolved by the
interviewing reporter, a
lady !!

7
7

TRAWLING FOR FISH

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7

Lecture by Mr. Waite

Mr. Edgar R. Waite, F.L.S., C.M.Z.S.
(Director of the South Australian Mu-
seum) will deliver a lecture this evening
on "Trawling and Deep-sea Fishing" to
the members of the League of Empire,
at the Institute, North terrace. The
public is invited. The lecture will be
based on his personal experiences de-
rived in the North Sea, New South
Wales, New Zealand, and South Aus-
tralian waters. The remarks will be
illustrated by lantern slides taken by
the lecturer, who will detail the method
of catching fish for wholesale markets
by means of sail and steam trawlers.

note "applause"

AUSTRALIAN FISHING GROUNDS.

DEEP SEA TRAWLING.

The necessity for a thorough exploration of South Australian waters in search of suitable fishing grounds was stressed by Mr. Edgar R. Waite (Director of the Museum) in an illustrated lecture delivered by him under the auspices of the League of the Empire at the Institute Building, North-terrace, on Wednesday evening. The Hon. D. J. Gordon presided.

Mr. Waite said the only way to learn anything of the real work of the trawlers was to go aboard one for a voyage. He had had such experience, not only in the North Sea, but in New Zealand, South Australian, and New South Wales waters. The lantern slides showed the huge catches of fish made on these expeditions. The machinery for making the ice necessary to keep the fish caught in good condition was carried aboard the trawler, and such a plant frequently had a capacity of two tons a day. There was also a complete repair shop aboard, for the huge nets were often seriously damaged owing to fouling obstructions on the ocean bed, such as wrecks and rocks. The men of the North Sea fishing fleet were a hardy set of toilers, and the nation was under an eternal debt of gratitude to them for their work on the mine-sweepers during the great war. (Applause.) The lecturer said it was not generally realised that there was a far greater variety of fish in Australian than English waters. From an economic point of view, however, they were not so well off in Australia, as the flavor and texture of the tropical or sub-tropical fish were seldom equal to those of the fish in colder waters. Both sail and steam trawlers were in use in the old world in order to provide fish for the great wholesale markets. Mr. Waite was of the opinion that the waters of South Australia should be explored much more fully with a view to finding suitable fishing grounds. He had accompanied the trawler *Simplon* when it was chartered by the South Australian Government on a trip to the Australian Bight. Plenty of good edible fish had been found, but the ground was too far from the home market for the venture to be a payable one. There were 332 South Australian fishes which had been named and recorded.

n The lecturer stated that the American
r warship Milwaukee had recently been
e specially sent to Sydney in order to demon-
n strate the latest system of depth finding.
d The old-fashioned method of ascertaining
f depth was by means of a hand line. A
l machine which was equipped with piano
e wire was also used in some cases. A later
e development still was a chemical appa-
e ratus. The method adopted on the Mil-
l waukee, however, was electrical. A wire-
of less wave was dispatched from the sur-
i face of the sea to the bottom of the ocean,
- where it was reflected back to the sur-
e face. The time which elapsed between
a the sending of the wireless impulse and its
e return was automatically noted, and the
distance travelled was gauged by this. Each
step of this interesting process was re-
r produced on the screen.

|| This refers to the trawling -
not to the "Sonic depth
finder."

25. Thurs.

Committee meeting Royal
Society. Received Jordan's
"Classification of Fishes"
which is complementary to
his "Genera". Acknowledged.

26. Fri.

Wood Jones asked me to
join his Flinders Island

party which leaves the
first sailing day after
Xmas. If there is room
in the motor he also
wants me with Flinders
Chase Board Nov 24 to
Dec. 3. to Kangaroo Is.

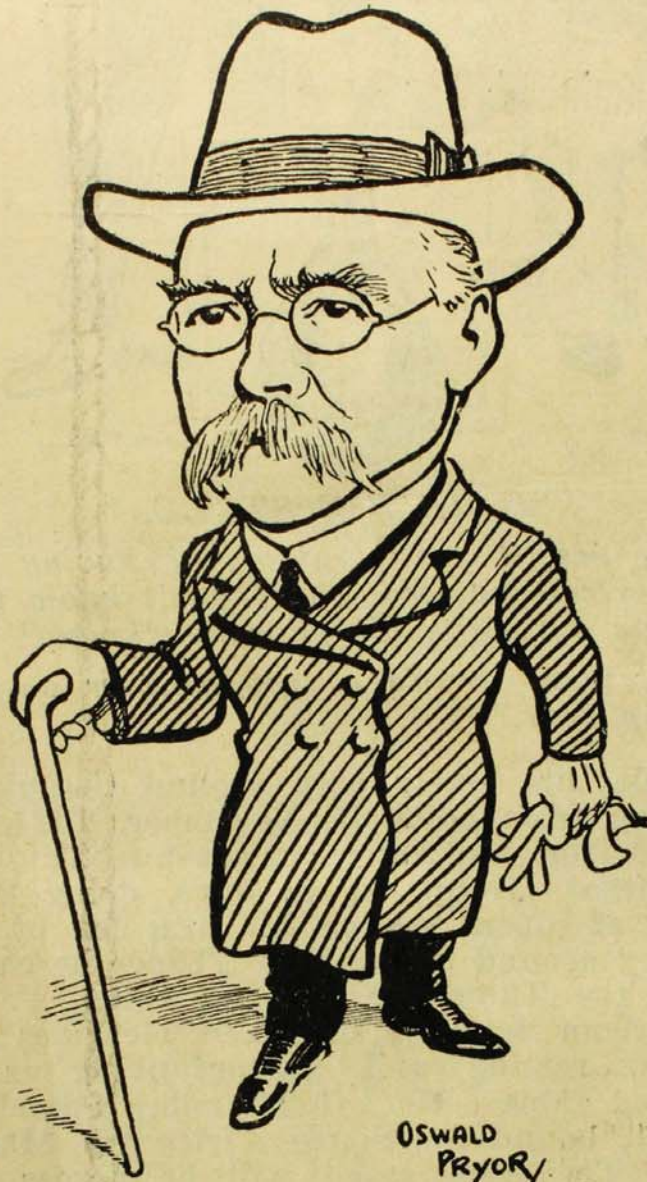
27. Sat.

United Excursion Aquarium
Soc. + Naturalists' Club
to Millbrook Reservoir -

The water was very high
and no fishes were ob-
tained.

28. Sun.

Saw Commissioner Mitchell
in bed recovering from
Pneumonia. Caricature
from "Bulletin". A. very [219]



S. J. MITCHELL, who presides over the
Insolvency Court at Adelaide. He has
just returned from a trip to England.

good portrait

29. Mon

Gardener who has been
working since 22nd in
clipping the hedge &c -

The nest of a Zosterops
so that it was fully
exposed to the sky.

when I reached home
the bird was on the
nest with a newly
hatched young one. We
had a ~~few~~ very rainy
night & I wondered how
the little bird would fare.

20. Tues.

The Silver-eye had stuck
to her post so I made
a canopy of boughs
over the nest to protect
it from rain or sun
and still the bird did
not desert her nest.

21. Tues

Spent evening with the
Hayes - Burgoynes & Mr.
Robertson also there.

November.

1. Thurs.

Commenced to build rockery
outside new verandah -
assisted by gardener, who
has been at work almost
daily from 22nd

4 Sun.

Called on Mr. Commissioner
Nitchell recovering from
pneumonia

5 Mon.

Sent in Federal Taxation
return. date postponed
from Oct 31. to Dec. 12.

6 Tues.

Sent my papers 128-158
to be bound, forming
vol VIII. Dispensed with

further services of gardener
who became impertinent.

7.6. Wed.

Letter from Henders Chase
Board inviting me to
accompany it on Annual
inspection Nov 24 - Dec. 3.

Reported to Committee this
day. leave approved. The
meeting was preceded by
Annual Inspection & a
resolution of appreciation
to Museum staff passed.

8. Thurs

Attended meeting Roy. Soc.

9 Fri

Attended Council meeting
Zoological Soc. Jas Goss
new President in Chair.

10. Sat.

Bailey promised me some plants for new rockery.

11. Sun.

To Botanic gardens. D-
tained the plants & put
them into the rockery.

12. Mon.

Visited Hookings & had
2 teeth attended to.

13. Tues

Letter from Claude, now at
Geelong - Letter fr. Wilfred
& replied conveying Xmas
Greetings

14. Wed.

Teeth Ward told me that
I had been appointed to
A. A. Sci. Handbooks

Committee. To Mr. Hay's
in evening with Rose -

16 Fri.

Examined consignment of
tipplers from Canada -
found them to be herrings.
Morgan gave me a bit
of Canadian frozen salmon
said to be the first im-
ported here. Attended execu-
-tive committee meeting
of Brit. Sci. Guild.

17 Sat.

Received from binders, my
papers vol. VIII, 9/6.

19 Mon.

Meeting A.A.A.S. Handbooks
Committee which consists
of Keith Ward, Osborn,

Wood Jones and Self.

20. Tues.

Am having 3 nested fish traps made for Kangaroo Island trip. With Wood Jones had chat with C. Marshall who will motor us to 2nd valley & put his car aboard.

21. Wed.

Board holiday. picnic to Belair. The park was full of Soldier birds (Myzantha) the young just on the wing. I caught & released one that flew against the wire netting of the tennis courts. Larkshire Society at night.

23 Fri

Watson returned. Sir Wmth
McC. Ewen spent morning
at Museum. Sent my
luggage to be put on
board at the Port. We
travel light to Second
Valley. Editor of the
"Register" asked me for
a column on Flinders
Chase also photographs.

24 Sat

Left town by car at
9-0 for Glenelg. The
"Karatta" not calling at
2nd Valley. At Hog Bay,
saw J. Milgrimshaw, close
alongside the boat, a
school of Lat. forsteri

FLINDERS CHASE.

ACCLIMATISING NATIVE BEARS.

Professors Osborne and Wood Jones and Mr. J. C. Marshall, members of the Flora and Fauna Board, are passengers by the Karatta to-day for Kangaroo Island, where they will pay the annual visit of inspection to Flinders Chase. Accompanying the party is Mr. Edgar R. Waite, director of the Museum, who has been invited to report on the fish life of the reserve. A week will be spent on Flinders Chase, during which period any development in bird and animal life since last year will be noted. Consideration will be given to the plans for new roads and bridges, which should materially add to the value and utility of the Chase. An interesting experiment in acclimatisation is to be tried, for six koalas, or native bears, which have been presented to the board by the directors of the National Park, Wilson's Promontory, Victoria, will be liberated. It is sincerely hoped that the gentle little creatures will thrive in their new environment.

was feeding on galley
refuse. After discharging
& loading we made for
Kingscote. Put up at the
"Ozone". Fed the 6 native
bears we were taking to

the Chase, also the two
Cape Barren geese.

25 Sun.

Reloaded the car & made
Vivonne Bay. putting up at
Marshall's place. put out
the little seine & thermies
in one haul &
in another. Marshall drove
up to the wharf and he
fired an explosive bullet
among some little fishes
cruising round the piles
we recovered them in a
hand net when all proved
to be sweep. Caught Black
Bream on hand hauled
lines and gobies in the
fish traps. Put all my

Chloride of Lime (7 lb.)
into a large pool at
the Bay and got large
number of fishes. Zebra,
Borichthys Blenny, Peronodys
Gobies etc.

26. Mon.

Left for Rocky River, the
native bears going by the
mailman, we let the
bears go, on arrival but
they were loth to leave
the crates, at length all
3 mothers with their
babies on their backs
ascended the 3 separate
trees we had chosen for
them to a Swamp at
Uwonne Bay. Marshall

shot a snake, it proved
to be a Black Tiger.

27. Tues.

The programme for this
day was Rocky River. We
went by car for three
miles - Marshall masterly
avoiding stumps & termites
nests etc. We then had
a $3\frac{1}{2}$ mile tramp over
rough ground & through
low mallee: finally
emerging at the river
gorge near the mouth.
From a width of 200 or
300 yards the gorge
narrows so that in one
place the water passes
through a "Strid" only

2 feet wide. Kangaroos
Wallabies, Blk Cockatoos
were seen. All were very
tired on return except
old May, the caretaker
who made the pace a
bit hot.

28. Wed

Skinned a couple of
Blue. Mountain parrots
that Marshall had shot.
This day we went to
Breakneck Creek by an
old chaise & a couple of
rags. At the creek I got
some aquatic plants &
saw Galaxias. Though no
fish were said to be
in the water. At night [233]

Wood Jones & I prepared
2 (green parrots)

29. Thurs.

The programme to-day
was de Coudie lighthouse
but as 5 in the chaise
was a most uncomfortable
number and as I am
not a member of the
Board, I stood out &
went to a swamp where
I got Hemiptera etc -
Saw a *Mus greyi*? at dusk
but could not catch it.

30. Fri.

Skinned birds to date
and packed up & left
for Vivonne Bay. after
visiting some swamps. [234]

December.

1. Sat.

Had two short trips
in the car - morning &
afternoon - visiting creeks
At Eleanor Creek we
got in fish trap and
crab net *Atherines* &
Galaxias. As some of
the latter were large I
took them away alive.
Watched a *Pardalote*?
Scratching a hole in a
bank the sand coming
out in showers. I after-
wards probed the hole
& found it to be 20
inches deep. We obtained
an *Echidna*, the second.

Wood Jones taking them
alive. We all collected
beetles as usual. Set
the seine and obtained
small mullet, which
Marshall used at bait
& caught 5 Black Bream
for Sunday's breakfast.
1 each.

2 Sun

Loaded up again, the
running boards, enclosed
in gratings being full. We
returned to Kingscote via
Hawks Nest, a new route.
The Galaxias all arrived
alive. Wood Jones wrote to
Rogers applying for leave
for me for Flinders Island

Marchato

. Stanley. b. Stands.

3. Mon.

Left by the "Karatta"
at 10. am putting the
"Buick", fully loaded,
on board. called at
Hog Bay & disembarked
at 2nd Valley whence
we motored to Adelaide
Passing through Koalinga
we all bought Mutton
or lamb in consequence
of the Abattoirs strike
in the city. We had
a cold wet run and
arrived about 5.0 we
were successively dropped
at our homes after dis-
charging collecting cargo
at the University.

4. Tues.

Sent copy of Fishes Hand-book to J. C. Marshall as acknowledgment of his kindness and courtesy. Called meeting of Faunal Advisory Committee for Thursday. Wrote Report for Committee (Museum) Lunched with Waton who returned on Nov. 23rd

5. Wed.

Telegram from Claude - "Home Saturday morning express, appointed at Adelaide Radio Relief Staff for two months" Museum Committee. The Flinders Island expedition, approved (as concerns me).

6. Thurs.

Attended Fauna protection
(Export) Committee & took
minutes as Hon. Sec.

7. Fri.

Attended Finance Committee
Zoological Society. Watson
to "Kirkstall" to dine off
head of large Murray Cod.

8. Sat.

Developed Kangaroo Island
photos. mostly good, but
rather thin. Claude came
home (see 5th).

9. Sun.

Watson, Claude and friend
J. Arthur. to dinner. The
K. I. Galaxias died, owing
to great heat.

10. Mon.

Watson is to join the
"Eastern" at Melbourne
on Jan 3. (the day we
leave for Flinders Is.)
He has obtained a new
4 hp. "Douglas" and
"Gouldburn"^{ing} sidecar, &
has retaken over the
"Lewis" two-stroke.

11. Tues.

Now working on an Aplo-
dactylus apparently st.
aretidens

12. Wed.

Having to do much broken
time & night duty Claude
has gone to Federal Hotel
Semaphore. J.C. Marshall sent

use the timber of a motor.
car case.

13. Thurs.

Meeting of Advisory Com.
mittee - I have had the
following Stamp made.

S. A. ADVISORY COMMITTEE
ON EXPORT OF FAUNA.

14. Fri.

wrote to Mr. Waite, Leeds.

15. Sat.

wrote J. C. Marshall to
thank him for timber
& invite him to inspect
the aquariums.

16. Sun.

Watson to dinner & tea
as usual.

17. Mon.

Meeting of Flinders Is.
party to discuss stores etc.

18. Tues.

Federal & State taxes are
now returnable on the same
form, except where income
is derived from more than
one State. Sent in my
State return to-day, having
supplied Fed. return on
Nov. 5th Council meeting
Loyal Society: transpired
that it was called to
elect a representative on
the Flinders Chase Board,
White being the retiring
member. He had attended
only 5 out of 11 meetings

I was absent to-day. I received a surprise when Dr. Rogers nominated me; Cleland seconded. Attended meeting Naturalists' Section at night Campbell on Pearson Is.

19. Tues.

Received reprints of paper on 'Snakes of Francis Is.' The editor had cut off the ' from Nuyts' and made the note meaningless. Presided at Xmas meeting of Yorks' Soc. over 200 present including representatives of Lancashire and Lothian Societies of S. Aust.

20. Thurs.

Gave "Mail" reporter some notes on House Fly. At. tended Nat Club. meeting Campbell on Pearson Is.

21. Fri.

Finished drawing of Aphodactylus arctidens All salaries were increased at Board meeting to day mine from £650 to a maximum of £700. Paid at lower rate to day. Bought 2 tins of petrol.

22. Sat.

Ground valves & cleaned valve stems of "Douglas". Received £24, being increase in salary from July 1.

Following is extract from
article on House Fly (see
20th)

DEATH-DEALING HOUSEFLY

Mr. Waite Hits Out

Mr. Edgar R. Waite, Director of the Museum, was eager to have a tilt at *Musca Domestica*.

"In my experience," he said, "the fly is a greater menace to public health than the much-abused mosquito. The latter is a comparatively clean living insect, as it arises from the water in which it is bred, in new form, and probably makes direct for its living meal. The fly, bred in unclean matter, walks over all kinds of filth and then spreads disease over food prepared for humans.

The Horse Again

Flies are largely bred in the horses' stable, and in my opinion much greater supervision should be exercised in the matter of granting permits to people to

keep horses in residential areas. It is no unusual condition in suburban Adelaide to find a number of horses kept on a vacant allotment between two dwellings, no stable provided, and the ground covered inches deep with manure. This provides a breeding ground for millions of flies, which, naturally, soon find their way into the neighboring houses.

"I think," Mr. Waite concluded emphatically, "that the place for the horse is the country. In the residential areas he is becoming a menace to public health."

with Harold Gard to the
hospital. had him X
rayed for Throat Trouble.
I arranged to go Monday [247]

23 Sun.

Mr. & Mrs. J.C. Marshall
& 4 children came to
"Kirkstall" to see Aquaria
I gave J.C. an accumulator
jar. Watson came to din-
-ner & motor called with
Hospital nurse and took
Watson Rose to Gumeracha
I repaired Bowden wire &
Valve lifter & had a run.

24 Mon.

Attended Museum Sub. Com-
mittee on Collecting, The
Chairman, Wood Jones &
Self. Desirability of col-
lecting within the State
affirmed. — Marshall
at Adel Hospital ex-

pored 4 films on my
mouth, 2 laterals and
2 frontals, upper + lower
Have paid following for
Rose's teeth to date: -

. Hosking extractions 12/6

. Barratt. plate dis.


carded as useless 63/-

. Holt to come -

25 Tues. Xmas.

Claude at home for the
day: he helped me with
lining the wood-shed.

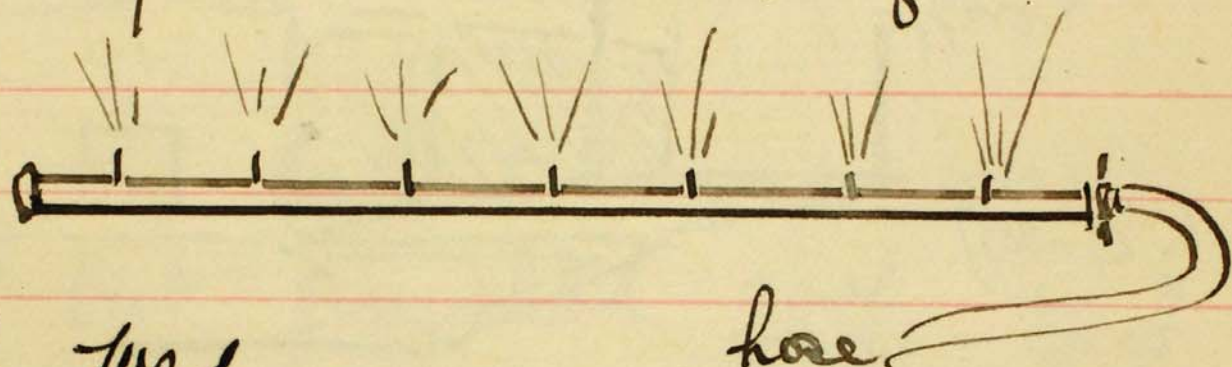
Made efficient sprayers
out of cycle-valve plungers

The part
 distal to
the hole is filed and
flattened and bent up



. Original!

The principle is old but
the adaptation of the
cycle valve is original.



26. Wed.

hore.

At Museum. I had the
"concession" leave last year.

27. Thurs.

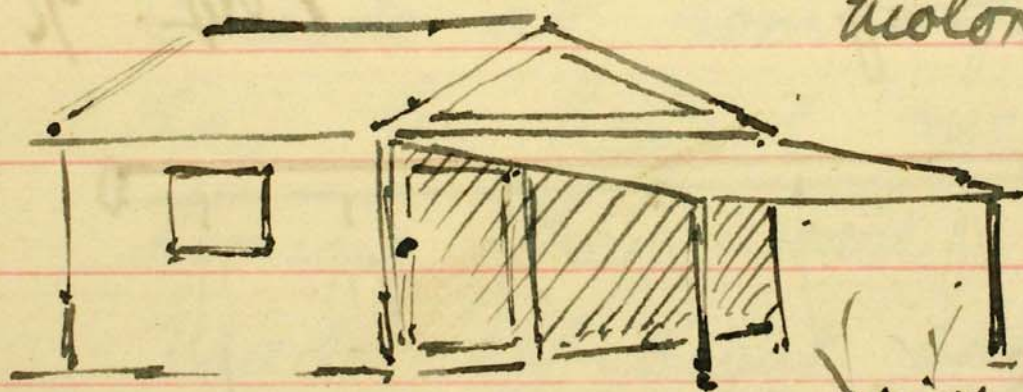
Rent to Limb my post-
hole auger for well-
sinking. Letter from
Taraka, replying to mine
() and asking for
some early reprints. I
sent him 21 on fishes.

The skiaographs (see 24th)
were spoilt by an Assis-
tant of Marshall's.

28. Fri.

Holiday. Put up framework
of lean-to in front of
motor house, so that the
motor may be stabled
under cover, open on 3
sides: to be roofed with
motor-case

(see 12th).



Vines here.

Claude came in morning &
remained overnight. Watson
came to dinner and tea
he leaves on Mon. 31st

29. Sat.

Second time this season that century was reached 101.2. Partly roofed the motor shed lean-to.

30. Sun.

Too hot to work 106.1. but finished roof in the evening. Watson was to have come to dinner but telephoned that he had been called to a case at Glenelg.

31. Mon.

As Watson was to leave to-day. I spent it with him mainly in packing at the Club. He went as usual to Botanic

gardens kiosk for lunch
and when I joined him
there, he was talking
to two gardeners, one
of whom said that the
Prof. had just sold his
two-stroke (which Watson
was riding) to him. As
Watson had previously
said I could have it
for £25. I chipped in
and said the machine
was already mine. Wat-
son agreed that he had
offered it to me but
"did not like selling
to friends" We left a
very much disgruntled
gardener behind. Wat-

son will want the
"Lewis" when he returns
and can have it for
the £25. Lorth Dodwell,
saw him off on the
Melbourne express.

AMS 587/67

[262]

