

Book 1: 47. 1900. September 1et 1902. October 20<sup>2</sup>

1901. September. 1. Sun. Worked ni Jarden & ui dissuig under the Tecoma hedge unearthed many pupae of the Hawkenoth ( ) Which almost defoliates the plants, ni the season. 2. Mon.

W. Loudin Hurd

officer of the "Sierra brought 2 letters of one to Ogilly & the other to myself. he would be sure to find The former at the

Museum' but he ded not quite know where the latter where the latter could be seen! Ne is interested in the hatural history of the sea, fishes especially-4. Wed. Letter from Boyd. now is the Whaling Reason. but I shall have to wait for the Sewerage. with whitelesse went to matines, "Risolketto." 5. Thurs -Harpe vulkina. Rich. 6. Fri Whiteleese leut me a flute Setting of Regoletto engaged time ni evening. 7. Saw brishire, a plan of sewerage schewe to be left here, thursday. Wrote to Father.

8. Sun.
Planted garden-bed
with Scabuis Redbuigs,
Hee Hellawells came to

Finished plate of Harpe Took Novara Wirbelthiere to Cumminghame to be bound. Having for lowe time past had an idea of writing a book on fishes, made a start. Though it never may bee print, it is good practise

10. Tued. Joseph having told me that he thinks groups to auction, the Tuie for redemption benig long past, I went to see them, & made wigh unsentory of about half the packages Containing books. I am not going to concern myself with his personal effects-Paid a lecoud visit to poseph & completed the inventory of books & hapers took the no y the pleases & amount leut ou each. This

### Books of FOr Tickets, available 101 10, or evening during the solitor of the soli

#### GREAT DOUBLE BILL.

TWO REMARKABLE WORKS IN ONE EVENING.

Interpreted by Casts of Unusual Excellence.

### CAVALLERIA RUSTICANA

(By Mascagni).

Santuzza ... Signorina DALIA BASSICH
Turridu Commendatore VINCENZO LARIZZA
Lucia ... Signorina MARCHI
Alfio ... Signor FERDINANDO CATTADORI

Lola ... Signorina MARCOMINI

SCENE - A Mountain Village in Sicily.

### I PAGLIACCI

By Leoncavallo).

Nedda ... Signorina EDVIGE VACCARI
Canio ... Commendatore VINCENZO LARIZZA
Tonio ... Signor FERDINANDO CATTADORI
Peppe ... Signor EVANDRO CANNONIERI
Silvio ... Signor LOMBARDI

The Scene is laid in Calabria, near Montalto, on the Feast of the Assumption. Period between 1865 and 1870.

Musical Director

Signor ROBERTO HAZON

on these tic comes to about £9. ening duri Took Rose Claude and e withdray allow to the Stalean Opera, a double Bell. RIGOLE · Cavalleria Rusticana 7 MASCH and : 1. Pagliciaci." IMERM .Thurs, Saw Joseph as to terms of purchase of Ogilby's books. He asks: s or other treet. 1. Peck out books g in th desired & give a fair ys hav until th market value, or 2 Take the lot at SF amounts pledged plus 3 months where the وا equals 25%. Recewed letter from Father. S acknowledges mine of pt July -[6]

Havuig decided to take all Ogilbrip books paid deposit of £ 2 to Joseph, the exact total not yet ascertained. arranged for carrier to deliver the packages tomorrow. 14 . Sat. On late duty. Made drawing of Electris longipennis - The books were not brought. 15. Sun. Sruited & touch packet of photos (36) the object theing those taken of the Bay to Send to Father, others printed for record albumes.

Glued rottokers preces of rubber cloth over bluid of the Thornton-Pickard Shutter. this should remedy the più- hale trouble -17. Tues. Letter from Charwick, The books delivered. at night I commenced to make vough catalogue. 18.-tred. Paid Joseph balance of the receipt being for £12.2.6. M Turtou returned after a month in Queensland I asked him to tea on Sunday. Continued Catalogue of books-

[8]

19. Thurs.
Went to the Opera to
bearing the name of the
principal "Edgar Ravenswood"
had special witerest in him

#### THIS EVENING,

Donizetti's Favourite Opera-

### LUCIA DI LAMMERMOOR

#### CHARACTERS.

Lucia ... Signora DE VERE SAPIO

Alicia ... Signorina MARCHI

Edgardo ... Signor CARLO DANI

Enrico di Aston Signor IGNAZIO BOZZOLI

Raimondo di Bitebend Signor TRAVAGLINI

Arturo ... Signor EVANDRO CANNONIERI

Normanno ... Signor MARCELLO

Thisbooks etc. bough Catalogue of Books etc. bought.

Received Water 4/c for \$1.2.5 of which 8/2

is "Sewerage Rate, 2

months."! I have only post had notice to connect!!

Tided-up workshop. 21. Sat. dark-room, Bush-, and potting house in View of Mr. Turtous visit tomorrow. At night I placed some of the new books ou shelves and overhauled P. L.S hstr. withdrawing parts for bound Volumes. I how amend statement

Have as duplicates. 1. Ser. III, 2; V. 2, 3. 4; . X, complete; 2 Ler. I. complete ; TT, 23.4; TII. Complète; TV. coup. + 4 in dupl. V. 1. 2 (mi dup) 4; VI. 2; & XXI, XXII and XXIII complete. Lequire. 1. Ser. VI. 3; VII. 3; 2 Ser. V. 3; VI. 3, 4; VII 2,3.4; While I have added Targely to the duplicates I have reduced the desiderala by one part ouly. Viz- 2 Ser. TT. 1: [11]

the fallowing vals before in parts are now re--presented un bindings 1 Ser. X 2 Ser. T, TT, TT, TV, and XXI, XXII + XXIII. The cost extra to the last statement and without proportioning the loss on novels + other worthless packages is £1.1.6. 22. Sun. Mr. Turtoa came in the afternoon and remained metel 9.30. 23. Mon. Worked Herough american papers & picked out duplicates of my over collection. Returned to

[12]

Whiteless his copy of Macleays Frshes Scatts Mammalia. pawwed by J.D.O. wrote Dad. 24. Tues. Wilshire handled me tenders for sewerage connection for the live Cottages, the lowest is £ 86. !! Dured with Mr. Turlou at the "growenot! 25. Wed. Handed to Sinclair drawing for reproduction of Harpe Vulkma and Valenciennia Consipinnis. worked at papers from Joseph ( J.D.O.)

26. Thurs. Saw Wilshire re tenders & mastered details so that I may interview Sewerage Eugineer. From Cummighame received · Voy. Novara bound in roan- Notice of time hisurance due 1. Oct.

27. tri.

Etheredes told me that the estimates were passed that sum to engage allan was assured. Went to see does of grman autaretie Exp they are from Russid that Very little of Esquinaux blood in them at might with Hellawell to hear "La Boheme"

#### THIS EVENING,

PUCCINI'S Delightful Opera

# La Boheme

... Signorina DELIA BASSICH Mimi ... Signorina VACCARI Musetta Signor DANI Rodolfo (A Young Poet) ... Marcel (A Painter) ... Signor CATTADORI ... Signor TONDINI Colline (A Philosopher) Signor LOMBARDI Schaunard (A Musician) ... ... Signor CANNONIERI Benoit (Landlord) ... Alcindoro (An Old Beau) ... Signor SALVARANI Parpignol (A Travelling Showman) ... Signor PAESANI Sergeant ... Signor SAVINI Custom House Officer ... Signor PATRIAN

Act I .- An Attic in Le Quartier Latin.

Act II. - Exterior of the Cafe Momus-Night time.

act III .- Toll Gate and Entrance to the Rue d'Enfer-Winter.

Act IV.—The Attic in Le Quartier Latin.

28 Sat. Wilson told me that they had had a fire clothes etc hauguig on Kitchen door had y-- vited at a candle, I Went in & found the door 1/2 Charred Herough but it benie open no other damage was done. Catalogued repruits of Ogilbejs own papers taknig number glach. 29. Sun. Continuéed cutalogue of Ogilby's papers. 30. Mon. Visited Sewerage Eugineer the allowed all the concession I asked for

[6]

nichuduig permission to joui with heighbour ni main connection. I visited Rolls, agents for Phillips landlord, H. a. Glyde Chemist Crassy St Deliniquein & wrote to the latter. , Paid premiums va the two houses and learned of a hice. unddle. The premum ou "Burley" fell due it seems on Sep 25th but I had not had notice of this. It brouspired that it had heen posted, but to an insurance agent, who obtained

«cover until Oct 1ch I disclaured any knowledge of an agent but it seems that the contracter took out the kolicy through him I the notice was accordingly but to hui as my agent! On Sep 28th the fire occurred & but for the "cover" I should have been unusured. on the other hand had notice been sent to me the premium would have heen paid The damage hering Small small small objection is likely to be made but had the house heen burnt down !!

October. 1. Tues. Post Card from Father holidays at Campbelltown-2. Wed. Visited Joseph re a 1/4 plate Camera. I Valued it for him called on Paterson. 3. Thurs. wrote alcock, hidian Museum askning for plates 17. 25 + 26 g'duvestigater' Fishes I have all others ucluding Deseriptive Catalogue. Will Seed my fish papers. Buinenced list of n.S. Wales feshes in new classification - [19]

4. Tri. Paid Water to late for both houses, (Except Sewerage for Burley). Letter + fish papers to alcock. paid Cuminghames 7/5 for binding Reise der Novara left Klunzmers Fische des Rothen Meeres with Corbett for building. & Palicy of Burley with his-Co for alteration of date to Oct 1st Telephoned Coast Hospital (Bessie) hope to call on Monday during visit of the [20]

Naturalists Club to Long Bay. Wrote to her (Enclosed in a letter from Rose to Katie) & to father. Received letter from Styde, Deliniquin, he will be glad to join mi Sewerage scheme if it can be arranged. Visited Rolls the agent + made appointment for him to visit the properties on Tuesday. there to Wilshine who suspected the premises tueade plan aptho proposals for a joint Connection. Received telephone message from [21]

Bessie Hoperaft, both she katie will be on duty on Monday so cament receive me-6. Suu. Made new blued for Thornton - pickard Shutter of rubber cloth and replaced in Lover. Work Dach Claude down to the beach taeross Reid Park. Made a Carrier 7. Mon. for the Rikethe Quay where I joined naturalist Club members they going in Special bus of on the Cycle. foring up Oxford St I felt a pedal loose and [2]

found the thread of the spendle worn-out Being holday time 8-hours Day I had freat difficielly in fuduis a repairer-apter Wheeling the machine up to the Courtemail Park I found a man who made a good joh he fetted a new spindle & I once more got away at 10. 45 & arrived at Long Bay after au hours run. in good hue for lunch. ! had put the Rover on board the bus. L ou recovering it, 1 [23]

exposed 4 plates in the party there being no inducement to Suap augthuig else. Spent enjoyable day & returned, keeping bus ni View un 1/4 hours arrived home just as a thunder. Storm broke - Visited wilson found that a new-door had been fitted and painted. removed. Developed the 4 negatives & found them all good the new Shutter working very sweetly. 8 Tues. got up. early spruited

Groundes. Theredge had a letter from J. D.O to Say he was at his last shilling t requested him, with Creed to use influence to get him on to a Queensland Station where he would be reneoved from temptation to drink . Rolls come at 6.0 met Wilstine Leff. We consuiced huir to ay the henefit of also of advisability of Carrying pipes down his Sede of the fence. On my side there would be u' drawi pipes [25]

gas twater mains to remove replace & the steps cut in the rock would have to be cut tuade Good; Whereas on tis side the course is clear & the steps replaced. Rolls took our plan and will forward it to flyde Mounted photos & attended meeting of Nat Club presented them thaid Subswed. Letters from Aunt ack? receipt of £25 6./6. ou Sep 2 from the tather and from the

Lunieau Soc. London. The contention that I have paid all Subs. up to and including Hus year is allowed but a special letter is advised regarding concessions to foreign members. Drilled twee mi large Formalnie bottle, using trass tube fixed in lather lines fitted a tap, with white lead. I witend the bottle for hypo the Sedement will remain undesturbed 10. Thurs. Has 4c. £1.19.7 the beaviest quarter. [27] Claude has been ailwig
for a day on two a
tostuight was somewhat feverioh whitelesse
gave we seedlingsSelected a set of blithip
hapers. + added to
mine a few unrepresented.

12. Oat. Sought new climan thermometer, the old due hering broken got medicine été but on reaching home found Heat Claudes tempera ture was almost normal again he is much livelier. Ou Wed. Sinclair Cabled [8] to Loudon, Why had plates og Whitelegge's Sponges not arrived? Reply to day, they would not be finished until 16th vist du consequence of local tradernen having kut up prices. He awful Rose went to town & Saved 1/6 on articles the carried home. Offered Set of Ogelbys papers to Suclair for £2. duplicates of american papers to be delected from Exchanged some papers with Hedley for a large, T. Square. Reut Baid! [29]

14. Mou. Whitelegge went to the opera.

#### THIS EVENING.

### LA TRAVIATA

#### CHAFACTERS.

Alfredo Germent	Signor CARLO DANI
Germont (the Elder)	Signor IGNAZIO BOZZOLI
Gastone	Signor CANNONIERI
Il Barone	Signor SALVARANI
Il Marchese	Signor PATRIAN
Un Dottore	Signor LOMBARDI
Violetta	Signora DE VERE SAPIO
Flora	Miss E. BOANAS
Annina	Signorina MARCHI
Chorus of Friends, Matadors, Gipsies, Servants, &c.	

ACT I.—Saloon in the House of Violetta.

ACT II.—Country House, near Paris.

ACT III. -Interior of Drawing Room.

ACT IV .- Boudoir.

16. Wed. Saw Rolls. As the owner of Phillips house objects to certain of the propositionis it is lekèly that the joint arrangement may fall Herough. 17. Thus. asked Wilshine to wake estimate of Savring to Styde (of any) by ad-- aption amended plan in liew of the Boards Took Kore Claude to Barcar at Town Hall Miss Lucas having. queir us adenession ticketo. 18. Fri Wilshire buids

Elyde will still savex £9. 10.0 plus nou-Removal of existing Roard Man. Wrote to Styde Fuelosed copy Paid fas Me £1. 19. 7. 19. Jat. . M. Hopcraft Katie L Bessie cause to tea. the latter having to return to the Hospital went to town with me. I keard the Opera, Trovatore. (see over. the air is thick with Buzougs aprolis they enter everywhere by thousand. [32]

20, Suu. with Rose Claude to the Kemps + stayed tea. I got cultures of some alanto exammed electrie bell connections. Returning found that Mr. Joseph m: tour De groen d Haunah, also Mr. The Kellawell had 21. Wou. Planted out cultures brote to Father, & Hall who has gove

brote to Father, & Hall who has some to Brisbane to fill Ogilby's post Sent we his key to australian Brids rasked for luy bushes which I sent.

In American Naturalist fordan swes me a mei note on my

This (Saturday) Fvening Cotober 19th. 191

(For the First Time by this Company),

## IL TROVATORE

Grand Opera in 4 Acts, by GIUSEPPE VERDI.

DRAMATIS PERSONÆ

Leonora ... Signora LINA DE BENEDETTO
Inez ... Signorina MARCHI
Azucena (a Gipsy) ... Signorina MARCOMINI
Manrico Commendatore VINCENZO LARIZZA
(a Troubadour)

Il Conte di Luna ... Signor IGNAZIO BOZZOLI
Ferrando ... Signor CESARE TONDINI
Ruiz ... Signor CANNONIERI

Retainers, Gipsies, Soldiers, etc., etc.

ACT I -Scene 1-Exterior of the Palace of Aliaferia.
Scene 2-Gardens of the Palace.

ACT II. - Scene 1-A Rocky Defile. The Gipsies' Encampment.

Scene 2-Exterior of a Convent.

ACT III.—Scene 1.—A Camp.

Scene 2-Interior of Hall in Castle.

ACT IV.—Scene 1—Exterior of a Prison.
Scene 2—A Durgeon.

Henriscyllium and Cord Howe papers. (A. Nat.

22. Tues.

Speut evening with the Kemps, put new cells uits electric bell cir-

- Cuit

23. Wed

Paterson came to tea.

24 Thurs.

The Kemps brought a falah which they had found in the vicinity. I bought wire to commenced to make case for it. Paid Corbett 3/6 for budging Klunzingers. Fische des Rothen meeres.

[35]

25- Tri Worked further at the parrot case.
26 Sat
Being my week on late duty stayed at Museum tile 5.0. Received letter from tather, wrote to Wellie Beale Chadwick. I offered some pamphlets for 10f to linclair Ex clusive of a set of Oxilby's papers which he has for £2. We had a great hail storm in the afternoon The lawn at Museum boas quite white, the stones were as large as blackberries. [36]

27 Sun. Showerig. In moraning I rotte to Hellowello' They came to tea. 28. Mouworked at Bird-case In at great would which reached 71/2 miles per hour. 29. Tues. Made galvansed- won tray and funched parrot-case. Bought linolenin for Ketchen L dening room £2. 15.5 20. Wed. Laid Luoleum in the Kitchen - Ketter from Styde afreeing to proposal & asking for us to proceed [37]

Thurs. Took photos of the museum staff on fire drill with the Rover. Oswald Phillips spent the evening with us. arranged for a picuie on Lane Cove with the Misses Lucas for Sunday.

1. Fri. Laid Rualein ou the felt paper ui 2. Sat. Took day off with allan Cherry and Sale took Botany tram and walked to La Perouse. Our object was galaxias & Eleotris. lue got a good dupply the species being thesites attenuatus threffins australis, but mine & Water plants wito fish tank in bush house - developed tere drill photos, [39]

3 Suu. Piènie on Lane Cove River with hisses Lucas + Un Hepburn obtanned boat at Riverview pulled up beyond Hour Mill. 4. Mou. brote Father and developed premie photos. Lunched with Loudin of the "Sierra" he sails tomorrow has not been able to see me before. He has not Seen fordan Ruice he was last

b. Wed Letter from Father he suggests that he pay the £25 to aunt and add amount to my debt to him. 7. Thurs -Having a fancy to make an incubator ! bought and studied a book on the Subject Hamah Frances 6 8 Frc. Bought Thermostat for ucerbator 3/6. L Comwenced work on it. 9 Sat. Dought Sheet won & Zuic 3/6 and tunber 76. and worked at the

woodwork 10. Suu. a full day on the incubator, completed carcase + egg drawer & beut up won for water tank. mou. Public holiday for the 9th Knies Berthday. worked at uccubator ui morning. in the afternoon Mr. Lagarus Haunah Came, had music at hight. 12. Tues. Bought 2" gal won piping 10°- & made flue & vent pipe for viculation tank. Astely. Appropriately the bushythen with a single.

Sent photo. of Termite's nest to "Strand Mag."
for "Curiosity page.
Received tenders from Wilshire, the lowest is from H. C. Harris

13. Wed Left plans & WY Sewerage Board for amendment T. Nishikawa, Zoologist to Suip Froliery Board Tokyo, called to day, he is visiting all the States of aust, one z. Made Water tank 2 Saldered ni flues, a ticklish business! Rolls Called I handed hui tenders & specifi. cation for transmission to Slyde. Made egg-tray of membation. Had a great storm at 6. pm. Our houses ded not suffer but

Considerable damage was done to others. made water trays ele for incubator. 16 Sat. Vishikawa Came again & as he has postponed · luis departure d'asked hui to dunier on Tuesday. Allan spent afternoon & evening with us. 17. Sun Wet. Spent day on the incubator, fixed Thermostat and made Connections, it how wants but little beyond the lamp & its associations. Lu [45]

he offers to repay the £25 my aunts asks for amounts due will stand as: Father. £405. aunt. £ 100. Busmers as follows. Aunt.
27 Fib 96. lown 250 000
2. May 00 transfer 50
21. Sep 00 repaid 50.
30 July 01 " 25
current. transfer 25 150 Due. Balance. £.100 tather. 27 fib. 96. loan
4 Saf 96. 4
2 May 60. transfer
27 " loan.
current transfer.
Due 100. 30. 50. 200 405.

his letten of Sep 29

18. Mon. Have 21 days due for holidays - arranged to take them from 25k wish to Dec 19th Made wetal chimney and fitted to incubator. 19. Tues. Nishikawa went howe with we to dinner and beleeted books ete. as follows.

Teu-woods. 15.0

Ogil Cat Irsh 12.6 Ogil papers. 2.0.0 P. 2.S. Vie (2 Vob) 7.6 Chart Manuals 1. 0. 0 Platypus (Skin). 100 I gave luin 'aust. Suakes" a.a. Handbook. Lpapers.

20 . Wed. Esse having arranged to see Sign of the X with his hurrell & the latter dissopointing her we all went to Many after tea. we failed to find him. 21. Thurs. made water-jacket for menbator chimney. Letter from tather à

Letter from Father a one from Cora from Risbon -

Received amended plane from Wr Sewerage board.

Clifter utters are went to many to tea on invitation from mrs

Mutton. Paterson also there. arranged to Spend coming weeks holiday at Manly. This will necessitate me bikning home daily to feed the

Sat. wrote notes on Luvarus and Cetorhinus. My

week on late duty.

at meht fitted tak 24 Sun.

Rose arranged Heat Mº 7 Murrell would attend to line stock Ran uncubator on treal, I only got 101° out of it bu but 1497

it is not yet packed yet to be closed 25, Mon. Commenced annual leave terminable on Dec. 19th. Sewerage contractor commenced work. When looking -up preparatory to leaving found the lock of the front door unsalisfactory. took it to preces & in doing so two of the leavers escaped t one was driven mito my face cutting the conjunctiva of the right eye, the

mere blow was a smart one + rendered the whole eye bloodshot. a bad start for the holiday. Went to Manly, found Paterson also spending hights 26. Tues. Had early dip un the breakers, the bathing at manly is quite " Continental!" Had a "trun" along the new Vittwater Cycle track. 27. Wed. Cycled to Mosman learned that in the afternoon of the Lowutree from Scarbro [51]

had been, he Sails to day for N-3- X is Staying in nios -man. I pedalled to the address left but he was in the City. will return to bydney ui March. 28 Thurs. Beyond the dip, a Cycle Run and an attempt at fishing nothing to record the day in the breakers and closed it playing "Ping-Poug" or table-tennis. 29. tri. Sheut day at Rock Lily. Rose & claude

coachuig delf cycling Had a Record dep this time on locklely beach. Me Witshire Went on the coach and on returniq we met W. ou the troad. got well burnt by the lun my nove especially. The eye is nearly well now.

30 Sat. Love went with a party by coach to the Spit: Miss Son (one of the boarders) turyself some on the wheel. Just as we started a Violent and heavy [53] rani Storm Camed
on. Put cycles on
top of coach and
selves viside and
returned renomincousty to many.

December. 1. Sun. Four of our party by & Coach & four on Cycles to Bay View. Had a fine day & enjoyable ride. 2. Mon. Returned home & found the Doctor -Bird dead. Wrote to Father. The weeks holiday cost £5. 3 .. / wes. Dug & cleared ground down to rock, position for new W.C. 4 "Wed. Attended to garden & Clamed membatar 2 [55]

painted metal work. 5. Thurs. Recewied letter from alleock, Calcutta, he is cending plates of Fuvestigator Fishes for which I wrote. also notice from Cost that a closed package supposed to contain dutiable articles is awaiting me. Bought Sawdust and packed incubator, This is the functing touch. wrote to gale asking what day would Suit hui next week. 7. Sat lorote Wrs. Board &

reported leak in Water pipe outside "Burley." Took Rose & Claude to dredgnig excursion of the Naturalists' Club-Den, who was aboard, had brought a half. grown Phascolarctus for me alive, from the Gellinger district 8. Sun. Took tram to Tempe Stayed tea with the Dr. he asked me to take photos of some prints for him 9. Mon. Commenced to make Chicken hursery in Connection with the incubator had the [57]

unsfortune to run a nail cleepty into 10 Tues.
Owning to my accident Lore went to town for we. The dutiable article referred to ou the 5th proved to be a pencil case, the one guien to Unele \* Aunt Banks ou their Silver wedding. enclosed in a letter from Father - Not apparently wishing to have given trouble for nothing the Officer assessed the duty (2) top sixpence. Lose Frought home the

Native Bear. it is about half grown & proves to be a most affectionate little creature. It is distressed when left alone & nuns 4 after anyone in View. It has a much more rapid progression that had unaquied: at its best speed it moves its fore limbs together, then its huid ones, lo: -11 11.

Letter from Sale (See 64) asking me for [59] tomorrow, what about my foot?

11. Wed.

Though painful I don't think the wound is poisoned in order to releave pressure on the shot I made a pad of Cotton wood leaving the contre open, I Made it-tuncie

Muade it-tuncie

Muade it-tuncie

Muade it-tuncie

the Size of this

able

to Robble along Went to fales at Eumore & Saw this aquariums etc. with which I was much pleased. Letter from Rowntres, n. g. [60]

12 Thurs Received letter prom glyde agreeing to pay half cost of fourt pipe should he ever determine to lever connection Watchnig Dewerage operations, learned how to make a " wifed - joint " 2te. Letter from Bashford Dean offering to Ex-change = separates 4 with me. Went to town - Lot Cheque from Suclair £2.10.0 for pauphlets. Bought Sheet of Zune 7 × 3: 3/9. Ordered [6]

50 ft. 4"x1" Trg. Kauri. Glass for Aquarium. Sat Sat.
Porote to Father. I
haid 11/6 for wood Sent
to day, Allan came 14. Sat ui afternoon & stayed the evening. 15. Sun. Mr. Rechs having asked me to lee a peculiar nest of a Spider I Went along. The gave me some aquatic plants à a Tree Fern, all of which I "put - in " on returning. Went to the Hellawells in the afternoon by appoint.

16. Mon Cut up timber for aquaruim. Made negatives of prints for Dr. Tauxo. The workenen cut up The concrete ni laundry the unspector having condemned the connection beneath, The bath & Wash tubs hand heen in the yard for a day or two a fue muddle. Tues. A scorching hat day the temperature in 17.1ues. the workshop was 108° I therefore transferred to the dining woom

but had to do the Sawing & planing in the heat. Cut fuie for living to dressed the wood the glass was delivered, 2 pieces each 27 x 18. 3/6. at 6.0 più the water gave out & when a bath would have been the only redeeming peature of a hot day I had but about a quart of water for a spouge-down. On the higher grounds there has been ho Supply for 3 days, at 12:0 the hose pipe which I had directed on de Verandah o Spluli

# HOTTEST DAY OF

104 DEGREES IN THE SHADE AT THE OBSERVATORY.

WITHERING WESTERLY BLASTS.

## PHENOMENAL HEAT IN THE COUNTRY.

Fierce, scorching westerly breezes from over the parched country away back yesterday sent the thermometer at the Sydney Observatory up to 104 degrees—a record for the season. in the day the conditions pointed to a scorcher, in fact the Government Astronomer had forecasted it. Long before noon people were complaining of the heat. It was felt everywhere, in the street, in the office, and in the home. There was no escaping the furnace-like blasts which came over from the north-west. Bush fires raging outside the suburban area filled the air with smoke, and added to the discomfort, and at intervals, when the wind freshened up, whirling clouds of dust enveloped everything and made matters all the more disagreeable. Though higher temperatures have been recorded in Sydney, yesterday was considered to be one of the most trying ones experienced, and the common remark was "I never felt anything like it before."

The maximum temperature of 104 degrees at the Observatory yesterday in no way conveys an idea of the trying conditions experienced in the city, for the elevated position of the Observatory, and surrounded as it is by numerous leafy trees, tends to minimise the heat there. Many sufferers from the severe change in Sydney sought to find relief by excursion on the harbor, only to find that it was an illustration of "out of the frying pan into the fire." On the water, the furnace-like westerlies had unbroken sway, and the heat therefore was greater and more unbearable than ever. Excursionists repaired to the city again with as much expedition as possible, sadder and wiser

# INTERVIEW WITH MR. RUSSELL.

#### PREVIOUS HIGH TEMPERATURES.

Mr. Russell, the Government Astronomer, when seen stated that at 9 o'clock yesterday morning the temperature had reached 78 degrees at the Observatory. The weather then became muggy, and the density of the atmosphere increased so much so that two hours later 90 degrees was recorded. From 11 o'clock till 1.30 p.m. the mercury at the Observatory varied from 87 to 90 degrees. At 1.30 o'clock the wind veered to the westward, and the mercury rose 13 degrees in as many minutes. Then the readings were taken every 15 minutes, as follows:—1.45, 102 degrees; 2 p.m., 102.7 degrees; 2.15, 102.8 degrees; 2.30, 102.9 degrees; 2.45, 103.1 degrees; 3 o'clock, 103.5 degrees; 3.15, 103.7 degrees; and at 3.30 it had reached as high as 104 in the shade. The glass then commenced to fall. At 3.45 it was 102.7, and still falling.

Speaking of previous heat waves, Mr. Russell said that yesterday's record was only about 4 degrees below that for any summer at Sydney. The highest reading shown at the Observatory is 108.5 degrees, on January 13th, 1896, which was

the time of the great heat wave.

Other high records are:—106.9 in 1863, 105.2 in 1870, 104.1 in 1900, 103.8 in 1871, and 102.8 in 1889.

A coincidence worthy of mention is the fact that on the same day last year the heat was also intense, the day's highest record being 104.1, or only one-tenth of a degree's difference between that of yesterday.

According to official explanation, the heat wave was brought about by a very extensive penetrating low pressure, being the heat from northern Australia and western Queensland.

### A WELCOME CHANGE.

#### A SOUTHERLY BRINGS RELIEF.

Prospective relief was afforded by a telegram from Bateman's Bay early in the afternoon to the effect that a strong southerly gale was on its way along the coast. The report from each coastal station further north was eagerly awaited, an anxiety being felt that the burster would exhaust itself before reaching Sydney. At 7.10 p.m., however, Wollongong reported its healthy and welcome presence there, so city martyrs were assured of its advent shortly. At 8.35 p.m. it arrived, with strong squalls and clouds of dust. Even at that late hour in the evening the thermometer stood at 98deg., or only 6dcg. lower than the day's highest reading. In half an hour, however, the glass fell to 77deg.

Cooler and more agreeable conditions will be general to-day, as a result of last night's strong southerly.

1667

18. wed. -worked a full day at the aquarum put it together, it. glass, panited all joints before joining with white lead. Harris presented an order for £20, Oh %e from Welshire . Howe for the money and brought home ten enamelled letters Which I had ordered "Headingley" 4/2. Took precaution to have a good water Supply inclinating a bath full, it was [47]

Thurs. 19. Shuss. Returned to Museum Sent from reprinto to Bashford Dean. Put glass into aquarium with tar resuir coment. 20. tri. Prepared board and fried letters "Headingley" as a name-plate. 21 Sat Pauled aquarium & made stand for it also levelled rock in polting house for brieks on which the aquarium will rest. at night developed Brounde prints of hegs taken at Lane Cove.

[68]

22 Sun. Made zuice trays to accommodate plants I had filled the aquarum yesterday Athis evening one of the glass sides cracked owing to there being no support along the upper edge. Deauch Hoperaft Came to tea. beut down the gully for clayey 20il and rwer sand. The Bear eats its gum-leaves always in the Samo way it bites the leaf off the branch & then slowly chews it in, peduncle first funding at the free [69]

end of the leaf. It masticates alternately five or six chews on one side, the same humber on the other L' So on it selects its leaf with much deliberation & where there are a number of young leaves together will also eat the stew. It is very fond of milk but owning to the mostrilo being quite terminal it Outmerges them & sueeges at frequent intervals. It spends the right in the parroto cago, its stere supported on the

perch the wires grasped with the hund feet, the fore feet I the luout tucked in between the thighs 3/11 23 Mou. Obtamed hew glass His time 32 of & put it wito the aquarino.

24 Tues Half-holiday, As the aquarmin now seems tight I put ui plants ui the quie trays. Commenced to make a second aquariime, I had two pieces of plate glass 17" x 12". 25 Wed Xunas Day. Worked at all day & nearly funshed The second aquarino. 26. Thurs. The Opera Company having returned to Sydney for a short-leason I went to hear them in Aaust.

Ladies are politely requested to oblige the management by removing their Hats, and thus add to the comfort of those desirous of witnessing the performance.

### ITALIAN OPERA SEASON

This (THURSDAY) and To-Morrow (FRIDAY) Evenings,
December 26th and 27th,



Grand Opera in 5 Acts, by GOUNOD.

#### CHARACTERS-

Faust	•••		Sign	or CAI	RLO DANI
Mephistopheles		8	ignor BALI	DO TRA	VAGLINI
Valentin		Signor	ignor BALI PERDINAN	DO CA	TTADORI
Wagner					PATRIAN
Margherita	***	<i>j</i>	Signora 1	DE VE	RE SAPIO
Siebel			Signorina :	DALIA	BASSICH
Marta	1		Si	gnorina	MARCHI

#### SYNOPSIS-

ACT I.			Faust's Studio
ACT II		A Market Place	"The Kermesse"
ACT III.		Margherita's Hom	e. "The Garden"
ACT IV		Exterio	r of the Cathedral
ACT V.	••	The Dungeon. Apothec	sis of Margherita

The larger ( No. 1.) aquaruin having Sprung a Small leak on the 24 of Ride, I Wedged it with a bit of stick on the outside this proved a fatal move, for unequalising the pressure the glass cracked during the day. Hall who has been 3 months in Busbane as Ogillys duccessor called on his way back to Melbourne; he "kept" O. during the time in return for his naminis fishes. [14]

28 Jat Put new glass into aquaruim and at night all went to Manly, had a dip in the Surf, returned by. 9 15 boat, the smoke - fog which has hung around for 2 days sending the moon up blood ned got unch Hucker, w moon was visible & whow 1/4 hour of Forus 1/2- speed. we got completely & bushed " After lea - sawing about mi absolute darkuess for 1/2 liv

the skepper picked up a bearing & we went clowling on but Stern first (double ended boat ). Some tune later I discovered that the lights had not been changed. On telling the Skipper he purped like å lamplighter & Switched Nound Re lamp serent. hue Canded at the Quay at 10.35 with 700 abourd. 29 Sun. A little rain to day making conditionis cooler opleasanter.

[76]

30. Mon. Wrote to Father, The "Sierra" is again un Port, wrote to Londin. Starks leut we his paper. Fish Synonomy I ack? pouiting out an error or two. Replied to letter from Thomas re Mus salamonis Rams. Scarle, Honolulu Sout me paper on hew fishes. one, Monacauthus albopunctatus is M howensis, O. freund by we. 31 .Tues. On late duty. Law how working at the Skull of Luvaruo

All Spent this, New Years Eve with MV2 Rueas of family we reached home after 1. am. Sent photos to Vause.

Jan. 1902. 1. Wed. Holiday but Lwas on late duty, com-Menced drawing of Skull of Luvaruo. Thurs. to Gale proposing 2. Thurs. that Cherry and lelf Should visit Ricin on Sat week & proceed to Cooks River J. Are Lundin Went home and duich with us 4 Sat duty I Ou late drawing of finished Skull of Ruvarus Received prospectus of Birds of Yorkoliene

the drought broke up to-day. 5 Sun Welcome rain all day 6. Mou Recordo TV. No 5 published to day it No 2 dw. aust Fisher No 2. At hight I went to the Opera La Gioconda 'Cast overleaf. Made lue drawup of complex suture of elements of dorsal arch of Rusarus.

## ITALIAN OPERA SEASON.

Saturday & Monday Evenings, January 4th & 6th,

Ponchielli's Famous Opera, in 4 Acts,

## LA GIOCONDA

Signora DE BENEDETTO La Gioconda (a Ballad Singer) Signorina MARCHI La Cieca ... (her Blind Mother) Signor TRAVAGLINI Alvise Badoero (One of the Heads of the State Inquisition) Signorina MARCOMINI Laura (his Wife) Commendatore LARIZZA Enzo-Grimaldo (a Genoese Noble) Signor BOZZOLI Barnaba (a Spy of the Inquisition) Signor PATRIAN Zuane (a Boatman) Signor CANNONIERI Isepo (Public Letter Writer) A Pilot Signor SALVARANI Monks, Senators, Sailors, Shipwrights, Ladies, Populace, Maskers, &c., &c.

The Action takes place in Venice in the 17th Century.

ACT I -Grand Court of the Ducal Palace in Venice.

ACT II.—The Rosary (the Seashore—Night).

ACT III. - Scene 1-A Chamber in the Palace.

Scene 2-The Hall of old. (Ballet of the Hours).

ACT IV .- The Orfano Canal.

Incidental to the First Act, the FURLANA will be danced. And in the Third Act, the Celebrated Ballet, "The Dance of the Hours," by the ROYAL BALLERINAS
Instructed by Miss Jennie Brennan.

7. Tues. Letter from Gale. Glad to see us on Saturday. fuicished paper on Luvarus. Sent ##
Order for the Bireds of Yorkshire, payment ou delwery. 8' wed. arranged for 1/2 day
off to take Rose
Lelande to Pantonine the crush was so great that we backed out of the crowd ! returned to work. toe had forgotten theet most of the Shops close at undday on Wednesclay
under the 7 act:
[82]

9. Shuts. allan recewed letter Officially appointing hui "Mechanical Assistant" (2) £ 50 he was paid £25 benig Wage from 121 July last. Commenced to make aquarum Nº 3 it is intermediate hi Reze beliveen the other two, the glasses benig each 21 × 153/4. all are the Same depth. (front to back) Lunched with Cherry Allan joined us tall went to fales' [83] Mence to Cooks River got Pseudoningil Rignifer (the Soject few Mugil, Galaxias. ete. all lmall. Wrote to Father.

Lun.

The fishes had been taken in slightly brackish water, this morning all Were dead possibly due to the Sudden change to fresh water. Cherry Called and reported that his also were dead. The Hellawells came to tea.

Sent 12/- to Council [84]

Clerk - Sanitary lewice to Dec 31st. Me Covey Called apler a long absence. He reported a "New Crocodile d'a new snake." Waterhouse Called to tell me he had had a reply from a letter to DG. Stead written un Consequence of one from the D. G. S. thas been writing to the papers as a Mem. Council. N.S. W3 Mat. Club. I drew Waterhouse's attention to this & steads reply shows that the shaft has Some deep-

14 Tues The drainage inspector could not grant his certificate ou present road levels without undertakning to lower, in future, from Styde + seif: I saw Wilshire we arranged to go down to permanent road level at a cost to be arranged. Wed. 15. Wed. Replied to letter from Paterson. finished liste on Tetragonurus. At night levelled rock outside the lawly preparatory to conent ing it. [86]

16. Thurs -Ordered sheet of plate glass for aquarium No 1\_ 6/- Letter from Father. Made drawing of Monacauthus Knerii. Prepared and Nammed ui Rubble ready for concrete above. Leut Creed one of my Long-beard Jass. 17. mi. Looked up a Tropidophorus which I had made a note of 3 or 4 years ago as being hew. Kore Claude went home by my boat. 4. 40 pm Carabella. Mounding the Pro wharf we met the Somoma pist

Couning ni from "Prisco"
Our Skepper Reenwed to lose his head & he Were transmed in the bow they the Americais cutwater. both vessels slowed down & I thought they would get Stern-Way. Do slowly did they approach that after a collision was seen to be inevitable one man had time to get his boots off while leveral of the ladies got uito life - belto. Our spouson was reduced to matchwood. The Misses Lucas came in the evening.

18. Sat

Sheet of plate - glass

delivered. Concreted

took at entrance to

laundry. Worked at

Aquarium 15° 3.

19. Sun. Cherry came in the morning. We arranged to go out wext Sun. Wilson (7.4) told me Hat a relative who had been out back in West. Aust. had brought some line animals which unght see. They may the Dasyuroides. from [89] 20. Mon. wrote to Fanny Bowling. Made sketch of headof Tropidophorus Shields which I found to be T. queenslandiae, DE Vis ( see 17th) 21 Tues. Katie Hoperaft, her mother + aunt came to tea, the former stayed overnight. I received reprints of the two pakers. Sharks No 2 West aust No 1. Sout away 20 copies of rach By to-days mail I recewed 3' water . color drawings from tather. locat to opera "Ernani." with Whitelegge.

22 Wed.

Soling to hear

"Otello" but we had
a wretched hot day

so remained indoors.

# ERNANI

Mounted and Dressed on a Scale of Great Completeness, and Interpreted by the following Brilliant Cast:—

### CHARACTERS.

Ernani ... Commendatore VINCENZO LARIZZA

Don Carles Signor FERDINANDO CATTADORI

Don Silva ... Signor BALDO TRAVAGLINI

Don Ricardo ... Signor EVANDRO CANNONIERI

Jago ... Signor PATRIAN

Giovanna Signorina GUGHIELMINA MARCHI

Elvira ... Signora LINA DE BENEDETTO

Chorus of Mountaineers, Bandits, Followers of Silva, Ladies of Elvira, Followers of the King, Spanish and German Nobles, Ladies, Electors, Heralds, Pages, Maskers, &c., &c. Period, 1519.

#### SYNOPSIS-

ACT I.—Scene 1—The Mountain District of Aragon.

Scene 2—Elvira's Apartment in Don Silva's Castle.

ACT II.-A Grand Hall in Don Silva's Castle.

ACT III.—The Catacomb: The Tomb of Charlemange.

ACT IV .- A Grand Hall in Ernani's Castle at Saragossa.

Georg 2-Elvira Apartment III Don Silver

## ACT IDENSE DUST STORMS

ACT I

SWEEP ACROSS AUSTRALIA.

nge.

[91]

HIGH TEMPERATURES AND BUSH FIRES.

GALES IN OTHER STATES.

WIND TRAVELLING 50 MILES AN HOUR.

### MELBOURNE EXPRESS DELAYED.

From an early hour yesterday morning most oppressive and disagreeable weather conditions prevailed in the metropolitan area. The country for miles around was covered with a thick dust-colored haze, and on the harbor navigation was carried on under difficulties. In the city, in many instances, persons had to leave their work and go home owing to the oppressive atmosphere. Horses were affected, and one fell from exhaustion in Jamieson-street.

The sun was obscured from an early hour, and owing to the semi-darkness numbers of business places were compelled to use artificial light.

Speaking to a representative of "The Daily Telegraph," who visited the Observatory at noon, Mr. H. C. Russell said: "These oppressive weather conditions are the result of a tremendous duststorm which seems to have travelled all over the States of the Commonwealth. For instance, Milparinka and Tibooburra, the extreme townships in New South Wales, received the full force of the storm.

"The effects of such storms are great heat and dust. The storm travels generally over the westerly and north-west heated and dusty plains of the interior. These storms do not bring rain. They are dry, as a rule, and for the past week tropical or monsoonal storms have been reported at Port Darwin and on the northwest portion of Australia, with very little rain, or, in fact, with no rain to be of any use to the country. The present storm on the plains has culminated in a heavy gale of wind blowing over the eastern States. This morning the dust clouds were much thicker between 6 and 9 o'clock, and I could not observe more than the fringe of Balmain from the Observatory window across Darling Harbor.

23. Thus. Learned Heat Farnell had returned from Lord Howe Is and brought more fishes. n response to appli. Cation Rose Rent in return of Value of property in her name (land of Burley'). 24 Fri. Seut in return of meome . Salary. 275 overtime. 8 less insurance 3 £280. 25 Sat. brote to marden re plants Quitable for aquarium. Finished aquarum No 3. et [93]

is now ready for the glass. 26. Sum.

Left with Cherry by
8. 25 boat. train to Marrickville and to Cooks River walking upstream to Cauterbury. We Sot Pseudo-ungil - Carassiops Salei. in brackist water. 27. mon Holiday: Put oue slass Littiarge Cement. 1 had kept the Pseudo. mugils in the brackish water & to day sot Dea-water and let

un clown with half [94]

fresh: in this they seem to be doing well. went to Balmoral called on Blyth (see 19") & Saw the little annuals. I an not certain of they are Phascologale or Dasyuroides, they are but half-grown. on a letter he showed me from Woodward, the latter proposes to call Heen Phascologale blythi. if Phascologale tity use probably & cristicando They are very tame as rato. Returning Called on Cherry he had put his prolies into fresh water & all died . [95]

28 Tues. Received a small lot-Is oue new record: Callechelys melanotaema amboyna & Red Sea. only. Cameron, our late neighbour, called at Museum. The new W.C. heing how connected, I brickedup pan-apening in the old one. 29. Wed. Letter from Father, Left with Corbett to bind. 1. Fishes of "hwestigator 2. Papers Rams. + Ogil. 3. Papers own Val III. 30 Thurs. Letter from Maiden [96]

he asks we to write officially from the Museum when he could give me what plants I wanted - I did so - Went with whitelesse to the opera

# OTELLO.

I yric Opera in 4 Acts, by GIUSEPPE VERDI.

#### DRAMATIS PERSONÆ.

Otello	COMMENDATORE VINCENZO LARIZZA (A Moor, General of the Venetian Army)			
Iago	Signor BOZZOLI (Otello's Standard Bearer)			
Cassio	Signor CANNONIERI (Captain of a Squadron)			
Roderigo	Signor PETROVIC (A Venetian Gentleman)			
Lodovico	Signor LOMBARDI  (An Ambassador of the Venetian Republic)			
Montano (Ote	Signor PATRIAN llo's Predecessor as Governor in the Island of Cyprus)			
A Herald	Signor SALVARANI			
Desdemona	Signora DE VERE SAPIO (Otello's Wife)			
Emilia	Signorina MARCHI			
Soldiers and Sailors of the Venetian Republic, Venetian Ladies and Gentlemen, Cyprian Men and Women, Grecian, Dalmatian and Albanese Men-at-Arms, Children of the Island of Cyprus, Men of Otello's Crew.				

Scene—Island of Cyprus.

got my Lougheard Jar from C. H Harris, 25 Jameson St, to whome Creed had taken it. His report taken from Chaffer p 62 is: -The Bellarinin or Long Beard was a Stone pot on fug with a wrde - spreading belly tharrow neck with a rudely executed face with heard & handle behind, ornamented with device or a coat of arms of some town in Halland Fermany cometimes only a crest, of a mottled brown colour, glazed

all over These vessels
were in general use
in the 16th and 17th
centuries at public
houses & ins, the largest
or galonier 12 inches
high; 6 mehes one pint:
Cemented floor in late
E. C. to receive the
incubator

The Bellarmin or long Board was a stone Pot or lug with a will spreading belly and narrow which with a rudely executed few with Beard & handle behind, ornamented with device or a load of arms of some town in Holland and cerunany, sometimes only a Crest, of a mottled trown colors, glased by over. These vessels were in general new in the 16th and 17th Centuries at powder house and suns the lugar or galorier 12 in the whigh; b wishes one faint —

Ste Chaffer yeage 62.

The Bett at it in or Long Beard.

1. Sat. 786. Fixed lecond glass in Aquarium to 3 and made stand for it. 2 . Sum -Made Cement step for new W. C. and brick - base for the aquarium No 2, it having only had a temporary base. But incubator wito its allotted place. At 9. lo just as we were thuiking about bed, Turton came he arrived from New Zealand on Friday & leaves for Japan on thursday: left 10.30. boat.

3. Mon. un white Called re fishes & I asked him about his marine aquarium, he asked me to his house a day to be fixed. 4 Tues White brought me Shirley Hubberts book on Marine Aquaria. My week on Cate duty tetter from aut with receipt for £25. also one pour Roebuck, he sent we Myassa Staup, a Giraffe. & asks for cuvelopes returned, they are stamped with 1st issue of the hew [10]

Stamps hearing the Knigs Head. 5. Wed. Roebuck Deut photo. of hunself, a Splendid likeness! Letter from Maiden officially granting me some aquatie plants. at hight I let bricks for Aquarum No 3. 6. Thurs. Took out cracked glass in No 1 and on allan coming later, I put in the sheet recewed 18th Jan. with lithange cement. Saw Turton off to Japan by the "Kumana Maru" [102] went to tea with White and Saw lus Marine aquarenno it is 24 long 20" back to pront + 7/2 high with the slope back. a fresh water aquarium leems Very Tame after the gorgeous display in a marine one.

Vater.

Sat.

Ou late duty. The

Bendoningils obtained

26th Jan. are all

doing well a are

now almost in fresh

Water.

9. Suu. Eugazed hearly all [103] day transforming brick bases of the 3 aquarcines into tanks for water plants. I completed the quadrangles I luied each with Cement. They will thus support an cuteresting growth helow each aquar Cut in halves the Cash formerly used to supply fountain ui bush house. B. Hoporaft came to tea two had food anusement feeding Pseudoungils ou Mosqueto larvaie + Hy maggots. [104]

10. Mou. wrote to Father, the interest to be sent Middle March is £17. 13.6 beurg m total £505. Wrote to aunt to enclose £1. for gertie on event of her marriage and to Sas lo. for £1.7.7. to 18. dec. Cleared loil away from politing house except that accommodating the plant halms. Tues. Recewed from bunders. hivestigator tolies 6.0 Rro. papers. 4.0 Waite papers III. 4.0. Filled the 3 aquarmins with water.

12. Wed.

Letter from Father. I Went to Botania gard. + sot some aquatio plants which I put uito the aquaria

13. Thurs.

Thurs. Ordered 2 Slate aquariums oue for Hedley, oue for Self £2.5.0 each.

14 . Fri.

In Nov. Zool. Thomas deals with Barrow . macropus with regard to M. isabellinus he writes little but comes to very con-clusions as to its

associates but does not mentron me mi His Connection. Nov. Zool.

15. Sat. Joured Rose Claude at Mauly, discovered at tank only left. this Cost £7.10.0 + Can he had for £3:10.0 16 Suu. Spent aft. the vening at the Stellawells. 17. Mou. Wrote up hematognathi for NSW. Catalogno

18. Tues. While in 2 9ts ofwater the Pseuderpungils did well. I transferred

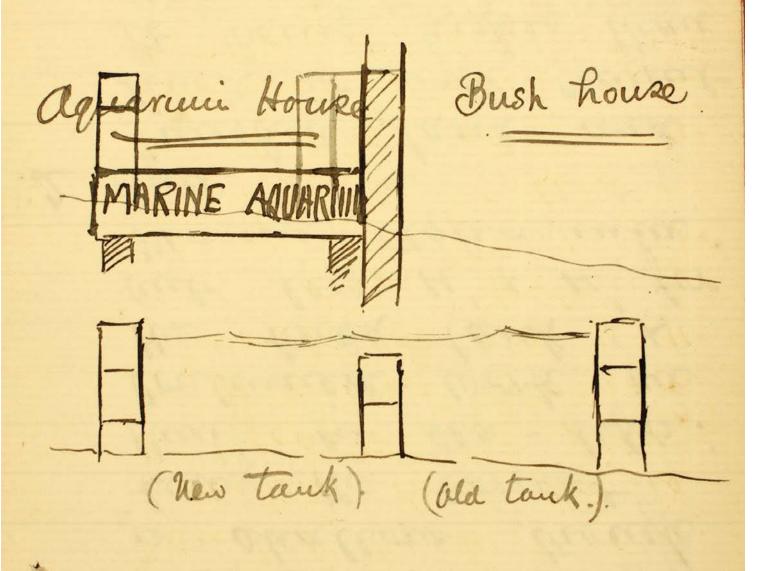
Hen to aquarium No 2 + all died -19. Wed. as a change from a wretched hot day we West to Marily saw united them for to morrow. 20 Thurs Mr. Mutton Paterson came to tea - the former stayed overmight. her last might in Sydney. leaving tomorrow for the Capre. 21. Fri. Fuirshed a drawing of Prototroctes Lworked at Muraeuclae for N.S. W catalogue. [108]

22 Sat. Speut morning, Elizabeth Bay re large Wobbiegong. Saw Fletcher he can Complete my Phs. how with exception of part. Built up a trockery at home. 23. Suu. Worked at Clupeidae for Catalogue wrote to Father, Saw one of the tanks for marine aquarium. ordered 13th west. 25. Tues. Speut evening with Mr. Rucas & daughters quite a party there. to weet Capt. Wetheral. [109] 26 Wed. Publice holiday. day prayer for rain. I did not object to the haliday but could not subscribe to the unplied Vote of Ceusure on the alweghty! got 30 bricks from Wilshire & commenced a Decord tack adjourning the one in the bush-house this one in the aquarium (late potting) House. Cherry Came & gave me a hand. 27. Thus. altered course and refitted pipes leading

ni fish-tank
28. Fri.
On recewing Salary
oblanied draft for
£17. 13. 6 - interest ow
loan Father & aunit.

March. 1. Sat. marine slate tank delivered et measures usede 36" x 20" x 7/2 a shallow trough being the correct thing for Sea-life. Continued work on the brick tank & Cut less 4' x 4' for Marine aquarino. 2 Sue. Funshed tank and lived it with cementit being higher than the one adjoining I raised the latter oue - brick = 3/2 " I left the dividing wall at the original

height it will thus be munersed and the appearance of one large tank will be produced.



3. Mou. worked at stand for Marui aquarenno. wrote to Father.

4.7 wes. Deut draft to tathet Finished stand for the aquarini. 5. Wed. Panited tank inside. Lecewed from Harris Certificate for £34. 11-11 benig balance 9 contract \$54. 11. 11 and from boilshire afe of fee £2.15.0. Neshikawa Called, he leaves for Japan tomorrow. Paid 14/to Corbett for building privestigator 6. 0 Rancsay & Oxilly 4.0 Waite vol III. 4.0. Noticed among a pile of rubbish 6 parts of

J. L. S. NSW. I turned these out. Corbett Said that the "mill" would Rend for the heap Huis week & that I was welcome to the parts, he would not decept augthuis lo I brought them away. found them to be. 1st Series. VIII pts 1+4 TX pb 203 200 Series. VII pls. 1. 3. Hus last part Tienig hew to my let. none of the others I had previously in duplicate.

b Thurs. Letter from Starks correction to his "Syronomy of the Fish Skeletou Fri. Paid Water Lewerage Apris balance of his contract £34.11.11 Made cases for Some of my unbound Vols of P. L. S. n.S. Wales. 8. Sat. Cherry came in the afternoon, we levelled and Mounted the Marine aquarium. as the tank beneath was not water-tight

[116]

I relied it with "good" cement? Sun. 9. Sun. Speut day in the planted bulbs etc. at meht made a pair of specific gravity balls, ad-pisting them in Rea water, me just to float, the other
just to sink.
10. Mon.
Wilson (tenant) brought ine in Water Mc but "had left the rent cheque in the Filled tauks under

all the aquarums Heavy rains fell at night, hust welcome there being but 50 days eupply in Prospect except by humpuig and there are no pumps: 11. Mes. Wilson paid me rent viz. 2 montes £9. 2. 0 - Wrote to Father & enclosed duplicate draft. 12 Wed. Left with Corbett Rome pamphlets to buid un bue Val. Le gave me another lot of PLS. NSW.

[1187]

ni part complement to those previously given, they are. 1st Series TX pto 1 and 4 2ª Series TV pto 1.2.3 and the last is new to parts of Ser 1. complete a duplicate volume the three parts of TV. are additional to the duplicate set. This morning I found that the Tiliqua Demoordes has given birth to 8 young. I had time to do no more than look

at them at night they had all dis-appeared but one, Huis was dead in Here blak up the Butcher Bird. Paid Train \$2 for tant. 13. Thurs. Bouglit printers cloth + covered some boards to enclose Vols of P.L. S. NSW. Some of which them I have in proper bindings. 14 - tri. Overhauld Bicycle & took winer-tube to town for repairs. Exchanged with Whitelesse plates of

Suvestigator Crustacea. for Bucklands Nat Hist of Brit. Frohes of which I possess the first edition. Sat. Bought 'Fisheries of the world " Cut more boards for P-L.S. NSW. - Disturbed during the night I Went wito the Kitchen & discovered a Mus rattus be ascended the wundow - frame t escaped Herough the plaster veutilation above by a hole made by the rats suice waich twice [121]

we have not seen one till to-wight.

16 Sun be Set off for Mew port but my bicycle-tube gave way so I stabled the machine at the Quay and journeyed by coach with Rose Claude party some maluding Paterson ou Cycles 17 Mon.
Public holiday. St
Patrick's day. I
was on duty, it
benic my late week.
18 Tues. 18. Tues. Paid Wilshire his fee £2-15-0 for

sewerage connection. Covered remainder of P. L.S. how of which I have complete vols. 19 Wed Received from Cerbett the pauphlets left for buiding, a week ago 41- They are of Castelnau, Klun. -zuiger, johnston etc. 21. Fri Too ill yesterday & today to do anything. The fish catalogue at which I have steadily worked was therefore "hang - up" 22. Sat. Somewhat better. Oh late duty . Etheridge [123]

had all the Staff (auderson exeppted) ui Conclave. He has been asked to edit Heind the writers (by Augus Robertson) for a work or series of books on aust. Nat. Hist. to be Demi - popular in Character. he asks us to consider the matter thest week details may be thought out. 23 J'un Cut Clates for slope back of aquarium + heade cover for Sauc. Ascertained its capacity to be

19.53 gallous, or. . 31/8 c. feet exactly. Suze 36 x 20 x 7/2 in. · 16 C.ft = 1 gall 1728 c. m = 1 c. ft. 36 × 20 × 71/2 = 5400 C in  $\frac{5400}{1728} \star \frac{100}{16} = \frac{16875}{864}$ 864) 16875 19.53 Gallous:

1728 ) 5400 3/8. C. feet

24. Mon. The Staff wet and [25]

Considered the Book
question. I was deputed
to communicate the
result to Etheredge. He
will now see Augus
& Robertson's.

25 Tues wrote to tather. I received Dome Valuable papers from Sashford Déau mi return for Hose I sent at his request. Carried 3 Caus of lea Water about 12 fallous for the aquarium. Me Walker Called and Rise arranged for Claude to Commence School of apl. 7th. 4 910. @ 21/- per ar. [26]

at unglit with the Bear beside une urate loue account 26 Wed. Letter and portrait from Father attended ann meeting of Lun. soc. a molivi Engui-- eered by Museum staff limiting the presidential chair to one year was lost 22 to 17. Thurs. Seut £3. 7.6 to Star ass. Co Bought Roy hat Hist Val 1 for 3/6. I had v from Ogilly's Set. [127]

Speut evening with Hedley giving hinto on his marine Aqua-28 Good Friday Holday. Wet between Showers & worked fish tauks & when rain fell I was occupied adding 2 Shelves to book case Carried a can of Salt Water & some green Sea-weed (telva). 29 Sat. latifolia) Worked further at The rockery adding rugged stone coping all round, thus completed Cement work.

30. Easter Sunday. Pilèd-up au the subbish left from sewerage operations + made it mecleus of a rockery in the yard, wheeled stones and soil.

mou.

Staliday. Mr. White went with me to Balmoral where we were joured by Keoley Hammered out sea anemouses with rock to which they were attached, Aplaced Hele ui aquariim with 2 Heppocampus Reut by Allan from Elizabeth Bay. [129]. White returned to lea & Slayed svening. Asked Kellawell & Provering of their writes. A the husses Lucus ete for Sat ap. 12.

1. Tues.

Letter from Wilfrid

the first suice

He wrote to say that Father was seriously ill & would have to undergo an oper-ation for cancer, af the Colon.

2. Wed.

Hedley save me a
living Unio depressa
which I placed in
the Aquarium. Reel
papers from Baohford
Dean.

3. Thurs
after Museum hours
went to Tempe 1
[131]

Saw Dr. Vause with reference to Fathers Condition. He gave me voots of Valisneria. During my absence Paterson Called x also Blyth the latter to say be intends shortly to bring the W. aust. Marsupeals. Bought a glological of my old Whithy one having last week flown-off into 2 fathous of water. Received from Hetcher following parts of P. L. S. nsw. 1. Ser. VII. 3.

V. 3. VI. 4. and

VII. 2. 3. 4., all

are new except VII. 3

which I got since

Sending Hetches my

list of desiderata.

Vie asks in return.

1 Ser. III. 2; V. 2.3. 4

2 Ser. V. 2.

The only part I now want to complete the let is: 
1 Ser. VI. 3.

leptied to Wilfrid's letter of FEB. 26th 5. Sat. Finished rockery & planted same. 6. Sun. Carried fuial caw of sea water for the aquareum. a very wet day wrote to Father Mon. Visited & Gorling, a man who has gota large collection of annials Birds for the Hamburg Zoo. It melindes 18 Spaluo dous for which he hard £1. each. Claude went to School, his first day. Bought Rose an [134]

enamelled 4-leaved Shamrock pendant, thes day being the 10th anniversary of our wedding day. --Robertson met the Staff & Lugested 150 pages for each book payment to be £30 or £40, as none q us "jumped at the would go further weau-- White I am pegging away at the Fish Catalogue Which wust he prépared before L'éau write aux book on Fisher. at night attended [35]

Nat Club meeting Exhibited Microscope I the two levery Hippocampus. 8. Lues. Went with gale at Toon to brug some Japanese Soldfish. He deceded to weet the Japanese mailboat. t buy wholesale. Wed. Letter from Father he mentions an operation to take place but no Dancer. Whitelesse Leudenfeld æck. S. the spouge paper he is pleased to cettriberte Weitelegges

at Criticisiu to the attitude of the foreigners to Britaini Boer War! I may Et a copy an theis. Newarkable letter ? 10. Thurs. Recewed holice of Broome Tax, amount Chargeable £80. tax £2. - Extreme date fune 11. Let another Call on Mellawell Rowling with their wives to tea, afterward two tuoses Rucas and

Capt Wetherall had musical evening. Sun. Worked at another rockery in homing after dunier Beauch. Hoporaft Came me took photos ete. mon. Received a furthet batch of papers from Bashford Dean, he ann. Mag Nat Hist is a paper on the Beryoidae by Boulenger he admits my semes Paratrachiehtlip 15. Tues. Rambow æsked us to marrickville for [38]

Saturday, Lucay he able to get some more Oscudoungils as the fresh - water aquariums are getting suspiciously cloudy, not due to decay I conclude the water is ocething on the give bring. I therefore bought 2 tts putch. 8. a am dissolving it in turps wherewith to make a pount 16 wed Whitelesse gave mo Bucklands Nat Hist British Fishes. in Exerchange of Crustacea plates of Suvestigator. Panesay save me an

authority to take his copy of Days Fishes from this boxes in Hie Museum Cellars. 17 Thurs. Letter from Father dated 12th March. on following day he was to go to Redear & ni 3 weeks undergo the operation. also letter from aunt-she states that Father does not know the Renousuess of his case. She asks for £25 early in June. Sot Ramsay's copy of Days Fishes & took it home. Painted Small aquarium [140]

with kitch and threw Sand upon it. Made an aquarum weedpot. I cut off the smaller end and with Cement made a base at the larger and thus:- this write quie Sood Room for the roots & the narrow end prevent the fishes from grubbing out the soil. made description of Prototroctes I drew the fish on Feb. 21ch. 18. Fri. Made more Aquarinus, plant poto. Painted large Aquarenin 10.1.

with pitch in turps. Sat. 19. Sat. With Rose and Claude went with Kambors to his house Marrichville after duner went to Cooks River and Jot some Pseudomigilo & Carassiops longi. As we did not reach house mutil after 9. Reveral were dead in-Cluding all but two Carrassiops. While at the river some boys wurged a grey Magkie Strepera cuneicandata His I secured for 6'-20. Sun. Refilled Aquarcions No. 1. 2. West down

to the beach, got water for delutation for Cooks river fishes or Oysters as food for the anemones. The Trey Maghee is doing well but sulky, will probably find an appetite tomorrow. The other Magkies did not trouble it" huch. we had an edea that Louis of the young Tiliquas had sor out of the Butcher Birds Cage & in fact afterwards found one - dead. To day I saw one in the Nockery but it 502 in under the stones.

## THE PARADISE OF THE PACIFIC. [1430]

LANGUISHING AND NEGLECTED.

DANGERS OF DEGENERATION.

NORFOLK ISLAND AS IT IS.

INTERVIEW WITH MR. FRANK FARNELL, M.L.A.

Not a few Australians will read with interest and surprise some of the things which Mr. Frank Farnell, M.L.A., has to say concerning Norfolk Island, from which he recently returned after an extended magisterial visit. Interviewed yesterday by a representative of "The Daily Telegraph," he said:—

"Norfolk Island I look upon as the paradise of the Pacific. It contains about eight thousand acres of splendid fertile land, all suitable for cultivation. The constitution of the island is such that it has been given by the Imperial Government, and its affairs and administration are in the control of the Governor of New South Wales. Power was conferred on him in 1856 to make laws and regulations for the good government of the island. He has made those laws, but, unfortunately they are not operating in a way that has brought progress or development to the island.

"In connection with the administration of affairs at the island there is what is called a Council of Elders, who are appointed by the local people to advice the Chief Magistrate with regard to matters concerning the welfare of the island. In the past there has been conflict brought about by disagreement on the part of the Elders with the magistrate. At the present time development is retarded in many ways. Firstly, the steam service, which is partially good -and which is availed of only in fine weatheris hardly adequate for the requirements of the islanders, inasmuch as during spells of bad weather a vessel having to anchor in the open roadstead cannot receive or discharge cargo. What is required is a vessel fitted up with an auxiliary engine, and subsidised by the Government, to be engaged in the trading purposes of the island. This vessel would be able to obtain a safe anchorage from all weather if certain harbor improvements were carried out in connection with what is known as Emily Bay. A portion of the reef there requires to be blown up, and if this were done it would provide entrance for vessels of a had a long experience in connisland."

THE FISHERIES B

Speaking on the subject of the Mr. Farnell added:-"With regar of the Fisheries Bill, which I pre ed to the Premier a couple of m my intention to have a memorial bers of the House asking that introduced immediately, with a sage into law. The provisions non-contentious matter, and as n the Fisheries Act has taken placed years, and as I have been urg 15 years that the necessary ref brought about, I am in hopes t will accede to my request, and session ends we shall be able Act being passed. It appears to we have proper laws passed condustry, that it is useless experimental work or in other d satisfied from personal interviews him that Sir John See will do all to have the bill passed into law

age from all weather if certain harbor improvements were carried out in connection with what is known as Emily Bay. A portion of the reef there requires to be blown up, and if this were done it would provide entrance for vessels of a draught of from 10 to 12 feet. If the services of a ketch were secured to the island, the people would have some encouragement to put under crop the many acres available there.

"I personally witnessed the great sacrifice of produce which goes on through the unavoidable passing on of the steamer to Sydney. Almost anything can be produced there in the way of fruits, and included in the products are coffee, arrowroot, maize (two crops per annum), potatoes, etc. I have not the slightest doubt that if proper facilities were afforded for getting the products to the Australian markets that the productiveness of the island could be made a

hundredfold more than what it is to-day.

"The Norfolk Islanders have a complaint which hampers them very much indeed, and that is that the operation of the Commonwealth tariff precludes them sending more, particularly their coffee and other products, to the Commonwealth. They ask that either the tariff be suspended as applying to Norfolk Island or that some means be taken to annex the island to the Commonwealth. I may say that before my visit to the island there appeared to be a controversy going on as to the desirability of becoming annexed to New Zealand or Australia. And although there were some of the most prominent people inclined to kick against being attached to any Government outside their own little settled constitution, they came round to agree with me that it would be the best thing in the interest of the island and the islanders that they should become part and parcel of the Commonwealth, and I have the authority of those competent to discuss the question of giving an intelligent decision on the matter at the island to say that they will hail with the greatest satisfaction any proposal of annexation.

"Of course, the island and its conditions require that special or peculiar laws shall be passed for its government. The same laws as applied in New South Wales will not apply to the conditions of Norfolk Island. It appears to me that the Imperial Government has given little consideration to the interests of the island. While they have been trusting the Governor and the Government of New South Wales to attend to the wants of, and bring about necessary reforms at the island owing to what practically amounts to dual control being exercised no good has been

effected by either authority.

"Then again no public man has taken the trouble or been fortunate enough, as myself, to obtain information from all sources of reliable character to enable him to make proper representations on the subject. The educational arrangements, for instance, at the island are very bad indeed. The haphazard way in which the school is conducted is a disgrace to the Imperial Government or those who are charged with the administration of affairs. It appears they have no recognised or established syllabus, nor do they as in New South Wales have an annual or quarterly examination to judge the standard the pupils have been brought up to from time to time.

"What is required is that a proper building should be provided as well as a schoolmaster's

to time. "What is required is that a proper building should be provided as well as a schoolmaster's residence, and a schoolmaster thoroughly qualified should be sent from New South Wales to take charge of the institution. No one seems to have taken an interest even to see that the necessary conveniences connected with school were satisfactory. When I visited it I found the premises in a filthy condition. I asked the reason for this condition of affairs, and was told that representations had been made to the Government of New South Wales, but no notice had been taken. Another complaint is that the postal arrangements are most unsatisfactory. As a matter of fact, you can only have recourse to the post office on the day the steamer arrives with the mail, and the day she sails, and these are the only occasions on which postage stamps can be purchased. There is also great necessity for the establishment of a money order office and the convenience known as the circulation of postal notes, neither of which is in vogue at the island.

CHC DRIVING

"The Imperial Government must have spent over £200,000 in connection with public buildings years ago, and unfortunately, when the island was handed over to the first settlers, no instructions were given as to the preservation of the buildings, which were then the property of the Imperial Government. Consequently the timber of a great number of these buildings has been removed for the purpose of building the houses of some of the residents. This has been the means-owing to want of protection from the weather-of the walls of these splendid buildings becoming fretted, and falling away into decay. There are still some very fine buildings left, which it should be the duty of the Government to preserve. Government House, for instance, is a very fine building, but, unfortunately, it requires many necessary improvements, which, I understand, the Government are not very anxious to carry out. But as far as the furnishing of this residence is concerned, it is a disgrace to those who are responsible for its fitting out.

"The islanders seem to think that if they could have a little interest shown in their welfare, and some public works carried out to give them facilities and necessary conveniences, they would be able to offer inducements and attractions to very many more people to settle on the island. It would be one of the greatest blessings for other strange people to be introduced to the island to counteract the evil of intermarrying at present in vogue. Otherwise, instead of our being able to boast of a settlement of which we might be proud, we simply will be compelled to admit that we have a settlement under the British Crown where degeneration in the human race is exemplified to a very great extent.

"The moral condition of the island has been a subject of comment from time to time. As a matter of fact, from inquiries which I made, I fail to see the justification for the wholesale slanders which have been made in respect to the islanders. I do say this, that with the settlement of a few good families, and by having someone placed in charge of the islanders who would take an interest, and show a healthy influence in respect of matters concerning the island, as well as the islanders, many of these complaints would be removed. Of course, the principal standby that the islanders have is in connection with whaling. I believe that industry could be developed to a very much greater extent if the islanders had someone who would

some public works carried out to give them facilities and necessary conveniences, they would be able to offer inducements and attractions to very many more people to settle on the island. It would be one of the greatest blessings for other strange people to be introduced to the island to counteract the evil of intermarrying at present in vogue. Otherwise, instead of our being able to boast of a settlement of which we might be proud, we simply will be compelled to admit that we have a settlement under the British Crown where degeneration in the human race is exemplified to a very great extent.

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nection on a proper basis.

"As to the general development of the fisheries a great field is open for the expansion of the industry-especially in smoking and curing fish. The species available are comparable with those on our New South Wales coast, and I have not the slightest doubt that under proper guidance and instruction a big industry could be built up there. The waters around the island abound in fish, and with proper organisation the islanders could be profitably employed, and this splendid food could be forwarded to the Australian markets at a price which would be within the reach of all. The Premier (Sir John See), in reply to my representations in the House, stated that he intended appointing a commission. I may say that I do not for a moment consider it necessary that a commission should be appointed. I intend putting representations in writing, and all my statements can be verified by gentlemen of standing, to whom I can refer-men like Bishop Wilson, Archdeacon Wright, and others who have

# PACIFIC. [1430]

### IING AND NEGLECTED.

OF DEGENERATION.

K ISLAND AS IT IS.

EW WITH MR. FRANK ARNELL, M.L.A.

stralians will read with interest the of the things which Mr. Frank has to say concerning Norfolk ich he recently returned after an erial visit. Interviewed yesterntative of "The Daily Telegraph,"

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and there is what is called a who are appointed by the local the Chief Magistrate with reconcerning the welfare of the past there has been conflict disagreement on the part of the magistrate. At the present

had a long experience in connection with the island."

#### THE FISHERIES BILL.

Speaking on the subject of the Fisheries Bill, Mr. Farnell added:-"With regard to the passage of the Fisheries Bill, which I prepared and handed to the Premier a couple of months ago, it is my intention to have a memorial signed by members of the House asking that the measure be introduced immediately, with a view to its passage into law. The provisions of the bill are non-contentious matter, and as no amendment of the Fisheries Act has taken place for the last 20 years, and as I have been urging for the last 15 years that the necessary reforms should be brought about, I am in hopes that the Premier will accede to my request, and that before the session ends we shall be able to boast of the Act being passed. It appears to me that unless we have proper laws passed controlling the industry, that it is useless expending money in experimental work or in other directions. I feel satisfied from personal interviews I have had wat him that Sir John See will do all he possibly o to have the bill passed into law."

it had grown very unch.

21. Mon. Wrote Bashford Dean also to Father. Wilson paid rent + brought rate notice. The assessment of Burley is laured to £49.10.0 Laure as Headingley but as it is in excess of 9/10th of annual rental 1 sent notice of Appeal. Bought 6 terra cotta bowls for aquarums 2/6.

22 Tues.

the understand that David & Stead has been appointed "Scientific Assistant to the Fisheries Dept.

23 wed. Letters from Wilfrid. Tertie (- ach receipt =[1.) Nellie Beale, P.C. from Father. allan went with gale to Japanese Boat, just ui, & got me four. fan-tailed Joldfish (d'/- Each . Here was great difficulty in getting even these few, Bought takers Fisheries of adriation for 2/6. Will the appointment of Stead interfere with the Frohenies Dept taking over, as I hope, [45]

my Catalogue at Which I am working? 24 Shurs. Boceaved at Museum some Carassiops longi in Spawn. I west try to get some alive Fishes put unto the aquarium painted with pitch were in difficulties, perhaps the water absorbed: some of the turps. I dies it off + refelled. 25. Dri The Agent General has selected a man from aberdeen as expert to the Fisheries Dept A. L.W. (Cable item.).

26. Sat. with Whitelegge, Hedley allan to Watsons Bay Sot come hearts for the aquarium. \* on the evening white Called at ickeadingley. 27. Sun. Blythis brother brought the 3 Phascologales & I speut au the afternoon making a cage for them Me This Hellawell came to tea, a wet day. Tues. Left with Corbett for Duding, the Prelim! Reports. Spaid hun 4/for bruding R+Os. papers [47] 30. Wed.

Duied at Cafe Français
with Hedley and
Campbell thence went
to Luniean Soe. Haswell read paper on
parasite of Chimaera
ogethyi I had sent
to him

x: moluding a beautiful Coral with green polyps Plesiastraea wrvillii.

, May. 1. Thurs. Itellawell asked mo to reserve 14th inst. for Onchestral concert 2. Fri Mus Hoessie Koperagt. I specit from 8 to 10.15 at Freudly appeal court but sor no satisfaction Sat. My late duty week the Bear died to day perhaps as a result of the cold o damp weather of the past fortuight 4 . Sun. Met allan at 9.0 boat, went to Balmoral

a low tide got a Mullet Blackfish & a but of the beautiful alcyonariai, Telesto Sunthi with punk Stem and large white polyps. I took the phaseologales tack to Blight, not caring about the responsibility entailed. 5. Mon. won. Wrote to Father & to aunt robtamed draft for the latter for £ 50. 4. 8 being on of repayment of principal with interest to June 10th Posted draft to aint

I had, some Tune ago, approached Etheridge as to prefacing his annual Report with a photo. group of the staff, to day he said that no funds were available. I therefore Rug--gested in writing that each member provide his own photo they an equal part of the cost. All Enqued excepting north x's passed it on to the Curaton. Cleaned glass Maruie aquarinus after about six weeks it has developed a good growth of vegetable watter.

7. Wed. Maiden Rent to me a Japanese book of colored fishes. I telephone to him to make certain it was intended to for me Lust the ninseum. Kellawell gave me ticket for Orchestreal Concert, 14th Letter from Father, he Expeoto the operation to be performed hext week ? Bought glass Syruige for Aquarium. 8. Thurs. Took my bound vol. of Skuses Deptera to Whitelesso for hus

parts of the same. I have a second Complete set. unbound! 9. tr. Etherided declared hundelf unfavorable to the photo project do it falls through on the evening Paterson at Keadingley. 10 Sat. with the Hellawells Went to lea at the Rowlings I took the opportunity of foring overoes to Dr. Vause Allowed Fathers last letter to him 11 Sem. To tea we had [53]

the people from low Rix mi ale. Mr. Joseph told we he had a good bike for 走句. nion Ou Reaching home found Bessie Hoperaft & her acquaintance Mr Cameron, the former Stayed overnight. 13. Tues. Took afternoon og s with Rose Bessie & Claude went to Bronte finishing the evening at Mr. Browns and reaching home at 12 pm. hvote triedlander the med re disposal of hamphlets, duplicates Thuses.

14 lived. Orohestral Concert with M. Mi Kellawell, the former on the platform. Bought 1/2 plates and 15. Thurs. haper Beauch, coming on Lunday Sout \$3 to Lunieau Soc. for Sub. due 24 May. 16. Fri. Letter from Father & one from Roebuch, the latter Rending me more Zoological stamps. Made frame to carry glass for cover of the Marine Aquariand.

### THE LATEST FREAK OF NATURE.

The accompanying sketch is from a photograph of the extraordinary bird which, as reported in Tuesday's "Evening News," was brought to the office of this paper on the previous day by Messrs. T. and W. Lee, of Granville. It is a crow, which was caught in the bush near Wyalong, which has a large curved horn growing from the right shoulder. The crow was taken by its owners to the Australian Museum, where Mr. Edgar R. Waite inspected it with much interest. Mr. Waite states



that he never saw a similar case before. Asked whether he could offer any explanation of the circumstance, the naturalist said that it would be impossible to do more than theorise, without examining the inside of the bird; in other words, until a post morten examination could be made. As the crow is at present perfectly strong, and apparently healthy, and very valuable as a curiosity, its owners were unwilling to allow this to be done until such time as it shall die naturally. It is now at least eighteen months old, and probably much older, so that, having borne its affliction for so long, it may live a considerable while lon-Asked whether he did not think it possible that the horn of some animal had become grafted into the bird by some misadventure in its chickenhood, and grown there, Mr. Waite said that it was not at all likely. He thought that it was merely some abnormal horny growth, perhaps from one of the bones. But without, as he had stated, a post mortem examination, no definte opinion could be offered.

17. Sat. Fruisked Eglazed frame for top of the Marine Aquarium. Etheridge asked for hapers for a new number of "Records" I have two almost ready, namely: -2. New Records fish East. Australia 18. Sun. Ram in morning Beauch Hoporaft cause to dunier & we took photographs of each other. 19. Mon. lorote to Father I finished thanked [57]

in the two papers mentioned 17th. 20. Tues.

Printed from hegatives

Leut Beauch proof. of his a very good Wed. Lot negative of Self retouched. Letter from Nishikawa to aunounce his sufe arrival at lokyo. Oue from M? Waite informing mie that the first operatron had taken place. 22 Thurs. Sent £1 to Roebrick certaine huis a newsy letter. Photod Lewarus

Skeleton for + Lecords ?

23. tri.
printed 28 photos 4
self. 24. Sat. Made rubble and Cement dam to dwert storm water all of which previously passed through the Requaremin house. Mounted photos. 25. Sun. Fuisked Consent dam + commenced concrete floor in aquarium Rouse. Had moonlight rede calling upon 26. Mon. Saw proofs of fish plates for Records [59]

- addressed Racked photos. Am dending to the following Father. .. / Selle Roebrick. Farmy Geroling. Nelly Beale Misses Lucas 2 aunt. Nishikawa fordan -wager Vause. Paterson Hoperaft. 4. Whitelegge allan Hellawell. Rambow 27. Tues. Bought an vron 24" jointer plane 12/s The new governor Sir Harry Rawson landed to day two had the afternoon "aff." I funshed concrete floor in aquar. house.

torote sas Co. re a défecture meter. 28. Wed. Austher 1/2 holeday. I remained on duty the notice being two short to be useful. The gas weter changed. Letter from Me waite announcing that a second operation had been performed. wrote to HM! Rachlan Sec. for Railways & asked for order to Managers of Electrice de pôts to alloro me . to take any damaged accumulator cello as when patched-up [161]

the make very good Leut my Thelis' fishes bound, also Two parts of PRS. nsw 1. Ser. Vol VIII pt 2 2 4 4 VII " 4 both additions to my duplicate series.

Wrote to Father for

June 320

29 Thurs. Replied to letter from fordau, Wrote Mishikawa re japanese book on fishes and fentink re Bleekers papers. allan came in evening & I made hum a water teledeope -[162]

Zo Fri Letter from Paterson company heri to his Bought nevulding & made 3 prames. In making pathway all Derub in front of the house has been cut down leaving the exit dangerous Morate to Council. 31. Sat Un making Micro. photos of fossel. Ovals for Etheridge. Frilled rock that in post for trellis in from of w.C.

1. Sum. Left Redfern with Paterson by ID travi to Paramatta, thence rode 19/2 miles to Trafalgar, after a feed and a rest We rode to Mulgrave 8 miles in heavy road for the bikes took 7. 22 train. 2. Mou. Took final kegatives of covals under 4" objective. 3. Tues. Holeday Prince og Wales birthday after denvier I went to Tempe, calling on [164]

the way for a hour premo A which Mr. Joseph has for sale. 4. Wed. Wed. L'etter from Father announcing that he had undergone au operation. Colotomy. One would almost Hunk, personally, that cleath was pre - flrable. Took the Memo Camera to Harringtons, they Valued it at £2, it has neither Case nor Slides & Joseph asks £3. 10.0. Said meome Tax. £2. + Gas a/c. £1.15.7 less deposit £1

\* uiterest 21- = 13/9.065]

5. Thurs. Took Slates of Corals to be reproduced & sought estimate for producing quie blocks of Fishes. Went to Tramways Electrician, (not having had a reply from Kailway Dept. see 28 May). he gave me au order for damaged cells. Paid £3 for the aquarum from Mauly for Paterson, Joseph told we be would take £ 2.10.0 for the camera, went to Power House at

loure cracked cells Which I can repair for aquaremus. Jave Whiteheads orders to Collect and deliver. Bought dark slides for premo Camera which I witered to buy. 6 @ 5%- each. Lowntree Called & I wivited their to Nats Excursion Tourson. 7. oat. Took Rowntree to Louis Bay I got some more coral, lue returned home to tea + & used my dark Noon for developing
Trena films [167]

Ultimo and saw

8. . Sun. Beauch Hoperaft Came We altered Shooting board & made a préture grame. 9. Mon. Bought more moulding wrote tather welfred Six accuniculator Cells were delivered, they are in two sizes namely. X and X both miches high. of the former 2 were very Stightly cracked the third were so of the latter, one is usable without further attention

10. Tues. Took line drawings of Fishes by allaw to norman as suede Paid for aquarium Le 64 from Mauly on behalf Case for Fremo Camera. arranged for a walk with countree to the South coast district Clifton to Bulli. 11. Wed. Invitation from Haswell for a days dredging. I took downtree. we lost a dredge and I a hat. Three more large Accumulator Cello delivered. [169]

12. Thurs. made brick t coment Stand for less of aquarium table (cells) Paid £2:10.0 for Premo Camera. A. Lowntree speut some twie in the nureum I he turned up at Headingley at night to say 'good bye! Paid Whiteheads of for delivery of 9 mi Harreson, Power Station thanking him for Kuid cooperation. 14 Sat. Ou late duty at the Museum. Finished the

Aquareum cell stand. 15. Jun. Fitted and levelled etc. Stand mounted Cells and cleared - up -Made france à cut Moulding for 2 athers. Had a spiri on bike ui afternoon Calling 16. mon. Had lunch with Taterson & at night a moonlight rude calling on me Lucas. 17. Tues.

Visited Botanic Gardens in Search of Vallisneria but was unsuccessful. I therefore wrote to fale for them. Received

[17]

Cheque for aquarium from Paterson 18. wed. Letter from Me waite also oue from Welfrid enclosing copy of letter from D: Rumboll wherein he strongly. Condemns Me Waites action in informing Father of the nature of his complaint. Bought Piperis Ele & tap for dark room water supply. 19 . Thurs. wrote Mrs nicholls of Lord Howe Is. re. possibility af our holidays there.

20. Tri. deceived proops as the first paper for the Records' Fishes new to Eastern Australia. Mis Lucas to tea. Welson paid rent, less 13/8 water of for which he tendered receipt. Sat. Left by 11.30. boat with whitelesse and on arrival at Parramatta went first to the river lu Search of Vallesinered the park was in a deplirable state, not a blade of grass and the hed of the river dry in many places. su'a chavi ox pouds

Where a little water
Stell remained we
found what appeared
to be Vallissieria but
the leaves seemed a
little thicker & bulbs
were plentifiel on the
roots, we took some
for examination.

22. Sem.

Built a row of bricks on stand for the Small aquarium thus raising it, and did some comment work in the aquarium house. Covered case of fremo camera (which I had made on the 10th.)

With leatherette.

23. Mon. While Lose went to Nell Swynne with Miss Rueas, I wrote to tather Woilfred. 24. Tues. Letter from woodward (Perth) askuig me to describe Blythis manual fale brought me a toot of Vallisneria The plants obtained on Sunday were not of this genus, but what! 25. Wed. Tomorrow "Coronation Day" proclamied Holiday, but Cancelled at hoon in consequence of news of Sudden illness of the kuig - Perityphlitis!

26. Thurs Bought new Suit. Mounted pictures for which I have made frames. 27. fri Wrote Woodward & Suggested that he Should Send his Mammalo to me. Norman will make line fish blocks @ 1- per wich (usual charge) but abolish the minimum = 28. Sat. Bought new soft hat made table - framo for Electric cell-29 Sun. Bolted Hired up aquarium table

30 Mon.

Bought 2<sup>nd</sup> hand.<sup>2</sup>/
Tresh-water Aquaria'

by G. C. Bateman.

Visited Paterson at

noon and advised,

him as to Aquarium

which leaks slightly.

July. 1. Tues. Put pitch over the craeks in the Electric cell aquarenins & bound with wire. While Rose Went with the Misses Lucas to witness ball in the town Hall I made a gauze Rieve for aquatie use.

Visited pond in Hyde Park with but her but the water is more or less "dead" Received notice, Waster Water in lane Burley, a matter which I have twice reported to the

board, the damage been caused by their employees. as part of general retrenchment the Staff of the Q-Museum tras heen reduced from 8 to 3. the Vate from £1900 to £1000. 3. Thurs went to water board t laid my view of the "waste before them. promised to book into the matter! Made attachment for Siphon avoid getting a monthiful when suching.

Also made a

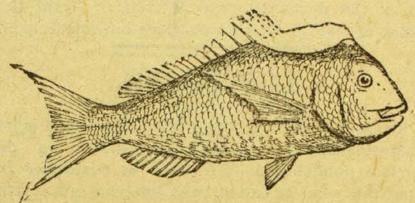
funnel for obtaming consentrated pond-life. The end is 'covered with muslin and attached to a siphonwater from the fond is constantly kut uito a versel a water, less the animals is siphoned out.

Ele an elastie

band keeps the musling in place + Small Studs prevent it from slipking doron the come.

## A MALFORMED FISH.

The accompanying sketch illustrates a schnapper caught off Coal Cliff recently by Captain A. Spain (president of the Amateur Fishermen's Association), and supposed to be malformed. Mr. Edgar R. Waite, of the Australian Museum, to



whom it was submitted by Mr. C. Thackeray (vice-president of the association), pronounces the peculiarity to be due to damage sustained at a younger stage. The drawing shows the extent of the damage. Not only has the top of the head been lost, but also portion of the back, together with four of the spines of the fin. The dotted portion shows what would be the outline in the normal condition.

The following cutture is good - It probably means that in view of possible retrementent the trustees are taking this step to become if not an increased vote [81]

## minunity from feeduction.

## THE AUSTRALIAN MUSEUM.

The Minister for Education was yesterday waited upon by the trustees of the Australian Museum, introduced by Dr. Cox. The trustees stated that the museum was incorporated in 1853, provision being made at that time for an endowment of about £1000 per annum. Since then additional funds have been provided, so that the museum now receives £7000 a year. This sum, however, is not sufficient for the maintenance of the place in proper order. As an example of the growth of the institution, it was pointed out that at the beginning there were 10,000 specimens; now there are 950,000. In the year 1858 the number of visitors was 17,000; in 1901 the number had risen to 170,000. It was complained that a portion of the staff was paid out of the endowment fund, whilst others had their salaries voted annually, and it was urged that the whole of the staff be re-organised, and that the salaries be paid in the same way as officers of other departments; further, that the endowment be increased. Mr. Perry, in the course of his reply, expressed the belief that the institution had done much good. He agreed that the staff should be re-organised, as Parliament ought to know how the money was being spent. Steps would be taken without delay to put the place on a right footing. The question of an increased endowment, as well as other matters brought under his notice, would receive favorable consideration.

Suiclair told we that Cox had approached hui ors to my pro-

ducine a catalogue of fish to be kublished by the Fisheries Dept. réceive copies mi Ex-Chango for Services. I told Suiclair that Livas writing a Catalogue privately L'hat he should 5. Sat. Cox to mo. Went to Woolli Creek ui Rearch of plants. thence to Tempe others I had tea & stayed fle evennig. I had fot 5. Small galaxias. 6. Sun.

Rode over to led [183]

Kellawell who had an operation for post- nasal growth, gesterday, found hun gettnig along well. Thence to see M2 Lucas who has been ill. En the afternoon we went about the Sierra Saw Loudin Lasked him to tea on Saturday Friday Mou Euglish Mail by the Cusco delivered on Saturday, after be beft. A letter from Wilfred, he quies a good account of Father, from whom also I received one.

8. Jues. wrote to father, & Sunclair told we that Cox had seen hun as to my writing a Catalogue og Food dishes for Fisheries Dift. I told Swielair that I had in pre-paration a general Catalogus That he to me - Palerson & ties boy at "Meadingley" to tea. 9. Wed. Looked over the fish . Catalogue: I have got to the Tetraodoutedão with several unfunshed families intervening. [185]

10 . Thurs . Called on Cox by appointment. He is harping upon Food Fishes by I showed him a letter how 1899 to me Which auplies no restrictions Packed over 60 fishes for Jordan - ready for the "Scerra", 14th. Londin ded not tion up, as arranged. Rre helped me mi cataloquing the books 12 -Sat. Heavy rauis. at odd twies between the Showers. Wanted Mardoo L Auacharis. [186]

13. Dun. Recemented dam across late duck boud, now to become a fish pond. low went to tea to the Hellawells + neturned home me Soaking ram. 14. Mon. Wrote to welfred in reply to his of 28th May. Loudin called took fishes for D. Jordan, the "Sierra" sailing at 1.0. - I telephoned to Brodie for authority to ablani Estrenate of from the Sovernment printer.

15. - Tues. Rose continuéed the Library catalogue. 16. Wed. another consignment of fish from Lord Howe Island, 3 records -Capt. Wetherall Miss Lucas at Meadwigley ui the Evening. Bought Sycrafts Story of Fish life . /-Thurs. Letter from Father & auch, the latter enclosing weight for £50. Drew Ophicuthus Versicoler, à Cerd Howe la specuieu.

19. Sat. one og the fish-Cells had extended a crack I put it ui a zuie tray with cement. Exeavated rock for fish pond drew honae an Hus · baueri. 20. Jun. Katie Beauch Hoperaft & Hierr Cousin Elsie at Madeugley." 21. Mou uvole Father. Bought a Selver watch from 257- Went (with Rose Lucas', pung pong.

23. Wed. Obtained authority from Fisheries Dept & took MIS & drawings to sovi printer for estimate of book. 24 . Shurs . Received estimate as follows 1000 copies 120 pages Denny Octavo ≠ 100 blocks ni text £93. 3.5. I put down £105 for MS L'acronings enggested that £250 be asked for I sent down to Cox at Fisheries Defet. Received letter from no ticholls, She will accommodate the four for £2 per week.

torote Trustees applying for extended annual Ceave & permission to take Allan. I also luggested fuancial aid. also wrote to Trustees Signed by Whitelegge Hedley & self and suggested that the Museum publish a Decond edition of Whitelesses "list" to melude the whole marine fama of the State fishes Manuals meluded. Wrote upon Ophichthus Versicolor from Lord Dtown do -Wrote description etc.

Sinclair told me Heat at yesterdays Board meeting of the tisheries Commission it was decided to put £ 250 on estunates for fish - book. The last time such a movement was made the numister threw the scheme over & history repeats itself. Received from Mishikawa a book of colored photos ellustrating a fapanese house and 26. Sat

On late duty, borote ou Brachaluteres Faueri Received letter from

Brodie telephoued to tell me what I knew from Sinclair & said that there was good chance of the money being voted lo Cox had unvited me to he of the party to weet Harald Hannewig the new Fish Expert with live place ete. I asked Brodie to inform me when all arrangements were completed. 27 Suu. Added a course of bricks to dam of psh poul in the food yard.

Mon. lohile Rose wont to 28. Mon. Theatre. Broughs in "When we were 21" I took Claude to see Mrs Rucas, Etheridge told we that Fishery Commissioners had come to the conclusion that Mr & G. Stead was a "bounder! 29. Tues. Etudited books of the Naturalisto Club. I Commenced drawing of coris semicemeta, Wilson paid rent due 10th. 30 Wed. wrote long letter to fordan. "On board the Souoma at Samoa"

[194]

31. Thurs. Pay-day. Paid following rates. Jas. £.1. 8.0. Municipal 3. 4. 0 Bought Life in Ponds Streams, by Furneaux & gave Whitelegge 57for "Swamsons Fishes." ste. 2. Vols. Wrote ou Coris Renneemeta.

1. Fri. Etheridge asked me to "note" officially, a letter from Ogilly to accompany ell'S. as part of his work "Australian Frohes" suggesting that the his should be submitted to " Waite, Cox, Harwell "x that steps be taken to ablani £ 200 a year from Federal government Theridge declined to have anything to do with the matter wrote to Farnell un respect to an interview on. Norfolk Island. in my letter I deal with the fish question

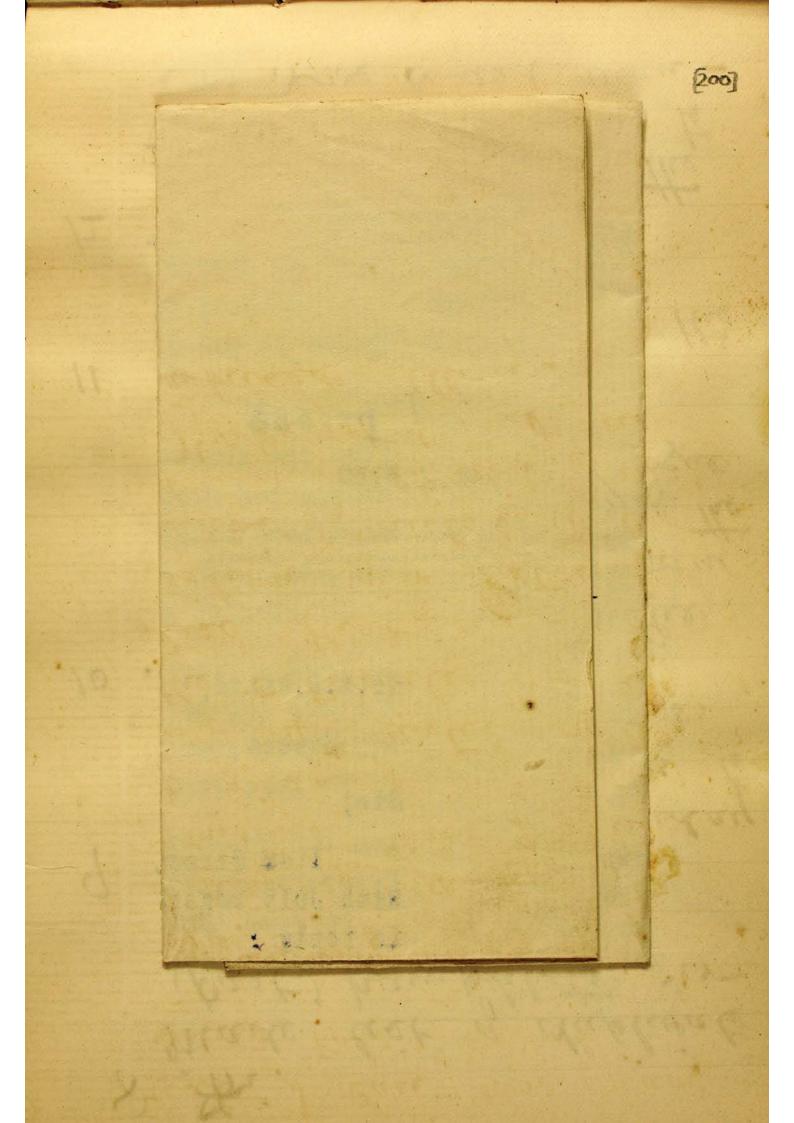
2. Sat. with Brodie in Fisheries launch and boarded Oroya, met Dannevig & Saw his English Plaice & Sale. Did not so to Museum In afternoon took Love + Claude to Botanie gardens got some pond life. 3. . Sun . Had brke ride Called on the Kemps + Saw Ethnological material obtained by Leonard ui Cape York district. 4. Mon. Bauk holidag both Whitelesse & Allan to Loris Bay. Jot Some 1973

Ruall fiskes, Caraux Atypichthys Lepidobleu-rius etc for Aquarium 5 Tues. wrote to Father. Received letters from delli uaded Roebuck the Spent most of the day at Huwersity le speculeu in the flesh of Thy--lacinus. at inglit. attended aun. Meeting of Haturalists' Club. Hedley was elected fresident Froggatt and Lambow bree presidents. I have refused affect Mroughout. 6. Wed. Recewed hussing parts
of "Naturalist" So [198]

that I can now have Seven Vols bound.

7. Thurs

worte hishikawa ack. S. 7. Thurs Japanese book. The Trustees have declined to discuss our proposed see 24 mutil after the Estimates are passed. Also Hat my appli. Cation for extended leave granted but no funancial aid and Voriknolot!! I am Refused allan. The letter is here parted.



Telegraphic Address Enclosure "MUSEUM" No pr: 583 The Australian Museum ALL COMMUNICATIONS ON OFFICIAL MATTERS Lydney 8th August, 1902 SHOULD BE ADDRESSED TO THE TRUSTEES AND ON SCIENTIFIC MATTERS TO THE GURATOR Mr.E.R. Waite. Museum Sir. I am directed by the Trustees to say acknowledge your letter of 24th July regarding your proposed visit to Lord Howe Island, and to say in reply : 1. That they have much pleasure in acceding to your request for an extension of your Annual Leave, and have granted an additional week for the purpose - thus making your leave for this year one month. 2. That they regret they cannot accede to your request to be permitted to take Mr. Allan McCulloch with you, as it would not be convenvenient for both you and here to be absent from the Museum together for so long a time. 3. That, in accordance with previous recent precedent, they do not see their way to granting any financial aid to the proposed expedition, even were money available for the purpose, but they have instructed to supply you with any necessary collecting material that may be available from the Museum stores. I am. P.S. to clause 1. Any delay Yours truly caused by non-arrival of the Ssinclaw steamer will, of course, be understood.

8 . Fri. Made list of duplicate (part) pamphlets for Friedländer. 9. Sat. Coronation Day. Holiday Allan eauce to tea to see the Aquarmins. 10 . Sun. Hedley came ni the worked at levelling The lawn - Fish Catalogue 11. Mon Spent evening with the Lucas family-12 Tues. Drafted letter to the Trustees in reference to Lord Howe Is and allan -

13. wed. Letters from Father & Fanny Bowling Wrote to the former. 14. Thurs. Made drawing of Pseudolabrus luculeutus From Rord Howe Island at home, Rose ill. a spasmodie Cough which produced chokung Seusations relief came before night. Catalogues louie duplieate books pamphlets, list for Friedlanders. lorate to Roebuck Linvited hun to Stay with us of he comes to aust. as projected. [202] 16. Sat. At museum again. Rose much better. I wrote to redlander asking for specified fish books in Exchange for duplicates. Recewed reply from Leutinck enumeratuis fishes noted by Bleeker as from norfolk do. Drew Machaerope for Same plate with Seudolabrus. - Out an undependent bell unto Sarden Sate cir-Cuit, using the Same battery . We have not known previously if a ruig was at the farden gate (automatie)

or at the back door, both front t back doors ruig the same bell, now we have \* the gate.
18. Mon.
Interviewed Etheridge re Lord Howe es and allan, and brought how round to proused to support my application contained in the second letter I handed to him 19. Tues husses Lucas, in Charge of Wetherall, epeut evening with us. detter from tather. \* 17 Sun. Trapped a Butcher Bird.

20 wed. Am now working at recent fishes fr. Lord Howe Island & doing a growl as to practise of describing species for figures only - Received

1. Thurs Saw Farnell you should not have arranged to board at Lord Howe Is he Said "I would have seen you accommodate at fovernment House. He offered to try & get me passage free 9 possible. Reported that the Government uitend to cut down Dalaries as part of [205]

retreuchment scheme. 22. m Rescribed new Cocotropus from Lord Howe Island 23. Sat. Havring had 2 Small Carassiops ni one of the zuic luied aquaruno for a fortuight tall well. I to day took from the Bush - house kond 3 Galaseias a put them wito the large Aquarent & 3 Carasseus into the Lecond one. Joured his Kellawell & hurs Morse by accident on the ferry on my way to any casited con cert whiteen they also

were bound. 24. Sun Dr. groen, lorfe and family came in the afternoon. 25 Mou Letter from Qgilly asking we to support tuo application for work & Saying he is ui very low water. Suiclair asked me to jour mi dending assistance. Herough Rome friend - He Whiteliege Hedley & 26 Tues. Records TV part 7.
kublished to day it
is formed of con[207]

tributions from Every member of the Staff nuce are New Needs prohes Eastern aust. and Ruvarus Skeleton. Friished drawing of Cocotropus Commenced Zesterday For 1/3 I bought Horsley Hustons Haustook of Illustrations Spent evening at i Carlsruhe? husie and puis - pong. Wed Couchided a paper ( the therd) on ford Home Esland fishes with the exception of a Chaetodou not get determined. Received letter from wilfrid. [208]

28. Thurs. Maneformed Kerosene Cabuiet, Lecewed from Cerbett the "naturalist 7 Vols bound. We Received a young 3" long Chelone untricata alure, I put it uito the Marine aquarium. Hedley leut me a Card Catalogue book box to copy ordered tumber 1/4" for Same from Eaton. Rose went with Miss Lucas (who Came to dunier ) to Theatre, Bland Halt. 30. Sat. Cut timber received [209]

from Paton and made Caroaxes of Six Card catalogue boxes. V determined the Chaetodon as new, its markings Very like Chelmonops truncatus.

31. Sun. Wet His having heen the condition all the week made one Card Catalogue box and prepared athers. The raw has filled aquaria not having Covers. The Salaxias I got at Woodi Ereek committed Runardo by Jumping out. brote to tather. [210]

September. 1. Mon attended meeting of Nat. Club Hetcher on Marsupials of County, Cumberland. 2 Tues. Received from wilfred photos of hunself & whe, also his house. Received notice that W & S Board witered to Construct Ventilating Shaft at "Burley". There was no quotum at to-days Board Meeting but Sinclair told we that the Chairman had granted my request to take allan to dora Howe [211]

is hereby notified that it is the intention of the Board to construct a

Ventilating Shaft on the above premises, in accordance with Sec. 4 of

Amended Sewerage Act 53 Vict., No. 16.

THE TENANT of Premises.

SEWERAGE SERVICE

BOARD

WATER

SUPPLY

SEWERAGE.





Sydney,

WILLIAM HOLMES,

N.B .- It is not obligatory on the Board to serve this Notice. Secretary.

Served by

[2110]

Is and allowed we up to £5 for outfit. Mis Mand Lucas had tea with us & we all went with her home & arranged a Theatre party for tomorrow. Ou late duty this week. . wed. Dured in town in the evening with Miss Lucas we met Rose Claude + Capet. Wetherall & I treated the lot to "Chuiese Honeymoon! 4 Thurs. Sent to Dymocks one hests Eggs. (Ed 1.) as arranged. [212]

gane Hedley the Card Catalogue box I had made.

### A TRICK OF NATURE.

A lady who was visiting Chatswood on Sunday discovered what she took to be a small brown snake, and killed it. On examining it closely she found a couple of projections from the sides, towards the under-portions of the body. resembling the fins, or flippers, of an amphibious animal, and it was forwarded to the "Evening News" Office as a possible curiosity. The specimen was shown to Mr. Edgar F. Waite, zoologist at the Australian Museum, who at once pronounced it to be, not an infantile sea serpent, or a snake of any kind, but a common slow-worm (Pygopus lepidopus), a member of the lizard family. The "fins" were rudimentary legs. Mr. Waite mentioned an interesting circumstance about the slow-worm, in common with other lizards, which, though well-known to naturalists, may be news to many of the public. Nature has provided many creatures with the means of playing tricks, for purposes of self-preservation. upon preying pursuers, and the trick adopted by the reptile under notice is not the least curious. It is slow in motion, but when hard pressed it gives a muscular jerk to its body, which detaches the tail. The latter wriggles so convulsively that it generaly engages the whole attention of the devouring pursuer, who eats it complacently, while the tailless one escapes. In due time another tail grows, and its possessor probably forgets the incident.

BURGLARS TUNNEL UNDER A BANK, now about the end of the year. take up the running in the Australian trade he completion of the new steamer, which will e, left the Wilcannia left trip to superintend Captain Ilbury, the commodore of Lund's with a stroke of 48in. Her speed will be 14 eylinders 24in., 40in., and 64in. in diame-Il be fitted with two sets of engines, ed eu. DEED CHO DELCHE STEEL

Costa's Bank, Lisbon, and stolen £20,000. tunnelled have successfully LONDON, Wednesday Afternoon.-A gang of

### MOTOR RACERS FINED,

racing in motor-cars on the roads. the fashionable watering-place in America, for been fined by the Police Court Bench at Newport, derbilt, jun., and three other millionaires, have LONDON, Wednesday Afternoon.-W. K. Van-

#### DEVLH OF LORD CONVENARA,

announced of Lord Connemara. LONDON, Wednesday Afternoon.—The death is

ion Affairs for 10 vears. He was born at for distinguished service as Under-Secretary of Lord Connemara was created a Baron in 1887

The shipwrecked crew landed at Noumea by H.M.S. Phoebe, will come on to Sydney, but, so

CREW TO COME ON TO SYDNEY.

cook. The other members of the crew were A. O. Birks, F. Ingram, F. Gough, Hugh M'Dermit, and Steedman, A.B.'s; William Ferguson, don-keyman; W. Denyer, F. Purves, R. Moffat, S. Gazzard, T. Corcoran, E. Donald, L. Bell, V. Beel, and T. H. Sherin, firemen and trimmers.

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owas in the bollud,) us, tump, and comonion S.S. Company. Much

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Skedley gave me 500
Catalogue cards 5/Paid Eaton 4/4 for
1/4" timber. The Island
Boat "Mambare" by
Which we should
return from Lord
Howe Is. lost

### LI THE DAILY TELI

### SOUTH AFRICA.

BOER LEADERS IN ENGLAND.

IMPORTANT MEETING TO-DAY.

AN ABANDONED IDEA.

LONDON, Thursday.—Mr. Chamberlain and Lord Kitchener have arranged to meet he Boer Generals, Botha, De Wet, and De a Rey, to-morrow (Friday).

It is understood that the Boer leaders at irst intended to re-open the question of the erms of settlement, but have now aban-lioned the idea.

### EX-PRESIDENT STEYN'S HEALTH.

Philp, and Co.'s flag. News of the wreck of the Mambare reached Sydney yesterday afterneon, and occasioned considerable excitement in shipping circles, the disaster involving as it does the loss of a fine steamer and possibly a valuable cargo.

The moon

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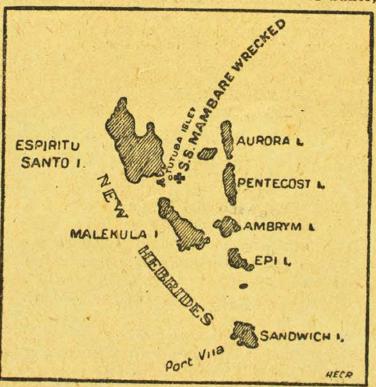
Philp, and Co.'s flag. News of the wreck of the Mambare reached Sydney yesterday afternoon, and occasioned considerable excitement in shipping circles, the disaster involving as it does the loss of a fine steamer and possibly a valuable cargo.

The message reporting the wreck came from Noumea to Messrs. Burns, Philp, and Co. It read as follows:—"The steamer Mambare has become a wreck at Tutuba, in the New Hebrides. All passengers and crew saved; three engineers and all the firemen, together with the cook and second steward, arrived at Noumea by H.M.S. Phoebe, Captain Todd and remainder of crew standing by vessel."

The Mambare was on one of her periodical trips among the New Hebrides at the time of the disaster. She had previously called at Lord Howe and Norfolk Islands and also Tchio, in New Caledonia. After landing a quantity of coal at the latter place she continued her trip to the New Hebrides. She had visited the southern islands of the group and was proceeding north, when she ran ashore.

The disaster occurred during a heavy gale, with thick, dirty weather, and the wonder is that under these untoward conditions there was no loss of life.

Tutuba, the scene of the wreck, is a small islet off the south-east point of the Island of Santo,



### LOCALITY OF THE WRECK.

and is a dangerous spot, generally given a wide berth by trading vessels.

Captain Todd, who had command, was well known in the Island trade, and he was noted all through his career for good seamanship. Previ-

sympathy is expressed for the firm for the loss of their fine steamer, which had been specially designed, and imported three years ago, to meet

DOCALLET OF THE WRECK. and is a dangerous spot, generally given a wide berth by trading vessels.
Captain Todd, who had command, was well known in the Island trade, and he was noted all through his career for good seamanship. Previous to joining Messrs. Burns, Philp, and Company he sympathy is expressed for the firm for the loss iaof their fine steamer, which had been specially designed, and imported three years ago, to meet, er eed the growing requirements of the Island trade. ose INTERVIEW WITH THE AGENTS. A LARGE AND VALUABLE CARGO ON BOARD. Ason When a "Daily Telegraph" reporter called at vas the offices of Messrs. Burns, Philp, and Company the news of the disaster had only just come in, igh and the manager of the Island department was ind endeavoring to secure a steamer to take the he place of the Mambare. There will be no break min the mail service, he explained, and the firm net hope to have another steamer for the trade in ent a day or two. The Mambare, it was gathered, left Sydney me on August 1, and went on to Lord Howe Island, ing where she called and landed mails, passengers, uth and cargo. She then headed for Norfolk Island, and after completing her business arrangements with that place she pushed on to the New Hebrides, calling at Tchio, in New Caledonia, en route. The Mambare had touched at the Southern Islands of the group, and picked up a large cargo; in fact, it was the largest cargo she nad taken from those islands. It consisted of mcopra and other island produce. ed A large quantity of cargo awaited her at the dnorthern islands of the group, and she had some Sydney cargo to land there. She also carried or ee, cargo for the Banks and Santa Cruz groups, and nt was to bring return cargo from those islands. The Mambare, by the time-table, was due back at Sydney on the 22nd inst. The disaster, according to the cable, occurred shortly before daylight on August 30, evidently in the same storm that played such great haves amongst small vessels in New Britain and the Solomon Group. Captain Bibbing, of the Titus, which vessel passed through the storm, describes it as of hurricane fury. e-VESSEL UNLIKELY TO BE GOT ad OFF. ned COPRA CARGO MAY BE SAVED. or A further cable received by Messrs. Burns, Philp, and Co., states that the vessel had on board 300 tons of copra at the time she wen ashore, and there is a possibility of this being saved in the event of fine weather continui The vessel, the message adds, is unlikely to wrech: CAPTAIN RASON, R.N., A

The vessel, the message adds, is unlikely to

## CAPTAIN RASON, R.N., A. PASSENGER.

### H.M.S. PHOEBE RENDERS ASSISTANCE.

Captain Rason, R.N., the recently appointed British Commissioner for the New Hebrides, was a passenger by the Mambare at the time of the wreck, and, according to a cable, rendered every assistance. H.M.S. Phoebe was communicated with at the Island of Tongoa, and she immediately proceeded to the assistance of the shipwrecked crew, and brought some of them on to Noumea.

Mr. W. Tanner, manager at the New Hebrides for Messrs. Burns, Philp, and Co., came on to Noumea by the Phoebe, to report the wreck, and he intends to return by the warship to Vila tomorrow.

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### DELIVERING THE NORTHERN CARGO.

### A TRADING VESSEL CHARTERED.

Captain Todd acted promptly after the vessel went ashore, and he chartered one of the interisland trading vessels, a schooner, owned by Mr. Charles Wilson, to deliver the balance of the northern cargo, which was salved.

### THE INSURANCES.

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### THE VESSEL VALUED AT £30,000.

The Mambare is valued at £30,000. She was insured for £20,000, the North Queensland Insurance Company holding the prime policy. Of this amount £10,000 was re-insured among London underwriters, and £10,000 in local offices. The copra and part of the other cargo is covered in the North Queensland Insurance Company, as well as the goods carried by the steamer for trading purposes.

### OFFICERS AND CREW.

Captain Charles W. Todd had with him Samuel H. Binn as chief officer; R. Freakilton, second officer; John Dick, chief engineer; John Duffy, second engineer; William Pow, third engineer; Geo. E. Bond, chief steward; E. Glan, stewardess; E. Cribbes, second steward; John Roberts, chief cook: Fred. Roberts, second cook. The other members of the crew O. Birks, F. Ingram, F. Gough, Hught M. Dermit, and Steedman, A.B.'s; William Ferguson, donkeyman; W. Denyer, F. Purves, R. Moffat, S. Gazzard, T. Corcoran, E. Donald, L. Bell, V. Beel, and T. H. Sherin, firemen and trimmers.

### CREW TO COME ON TO SYDNEY.

The shipwrecked crew landed at Noumea by H.M.S. Phoebe, will come on to Sydney, but, so p

6 Sat to On late duty. Showed Capt wetherall & the Misses Rucas over the Huseum. They camed to "Headingley" in the evening. Received letter from fordan. Le recommends Chlorde of Luie as a fish porson. Commenced a "Derape" drawing of Chaetodou howensis. Had a bike ride in the morning. The Hellawells came to tea. Sat taspoles in the quarry. for Cleaning aquarium glasses. [215]

8 Mon. Fuished deawing of Chaetodor & took to Photo. Co for reproduction. Half holiday announced for races, may be taken to day or on 9. Tues. Received repriets of 2 tish papers. posted to Europe + america. wetherall ( with the Musses Lucas) come to Say good-byo, but he finds that owning to the loss of the steamer "Manubare" the Sailwig of the "Moresby" is postpould. My paper on Saleus autarctions

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is noteced f. R. Micro. 800. 1902 pt 2. p.166. 10. Wed. wrote Harris tasked hui to attend to leak ui water pipe at "Burley" Left at 1200 Half-holiday reedless to say I ded not go to the races. Received 3 letters from wilfrid announcing grand change in Fathers condition. Wrate to wilfred.

12. Fri. Went to Palace Theatre with allow, San Toy! Met Londin, the Sierra how being in port. 13 Sat Fuirshed paper, Lord Howe Is Fisher. Nº 3. Harris repaired leak in pipe at "Burley.". Sun. Had a spui ou the bike. Juding Galaxias is foud of tadpoles fot loure more un the quarry pond. Wrote to Miss adamson. 15. Mon. Handed in paper & drawings Fishes of Lord Howe Is. No 3. 16. Tues. brote to Skeetor. h. 3. Ne has described a Chinaera; is apparently maware of C. ogelbyi Harriotta Took Capt wetherall Misses Lucas to hear Dannevie, ou Euglish Place introduction Wed. Recewed letter, from Welfred. Fathers Condition is not emproved. From Nishikawa recewed 7 Sheets of aquatie annials Discovered that Creedia is a synonym of Henre-- acoetes haswelli - lue all spent evening with

Mª Lucas. 18. Shuts. Took my Fisheries Exhibition literature to be bound in 4 vols. Repadded the flute radjusted action 19. Fri. Capt. Wetherall & the Misses ducas, here. the former sails our Tuesday in the moresby! for his list of nz. Fishes. (T. NZ. Just.) 20. Sat. With Whitelegge "allow to maroubra to try effect of Chloride of luce as fish - poison. hue selected a largo

rock pool containing perhaps 3000 gallous. 1. th of luie turned up the fishes, Lepido. blennins was the first to more, they water for shallow water fumped out on to the weeds. The Main occupants were Black-fish these also made for shallows & Curled Heunselves un small holes or tred ui crevices. We caught many in the hets & returned to pure sea water; the tade result, big waves swept wito the pool & reverified it but many fish [221] words, it punishes n for his latest offence t

MORE CONFLICTING STATEMENTS. The controversy between Professor Ray Lankester and Mr. Borchgrevink over the late Mr. Hanson's notebooks continues (writes our London correspondent on August 8), and on bank holiday "The Times" was able to publish a letter from Professor Lankester enclosing one from Dr. Bowdler Sharpe, and also one from Mr. Borchgrevink. The statements of the two latter are absolutely contradictory, and with no knowledge of the circumstances beyond what has appeared in the press, I must say that so far the weight of evidence is distinctly against Mr. Borchgrevink. This is what Dr. Bowdler Sharpe says:-"Mr. Borchgrevink has never given me a single official notebook of Mr. Nicolai Hanson's, nor of Mr. Hugh Evans. He says that he handed over some notebooks to me. He did nothing of the sort. On October 15, 1901, he paid me a visit at this museum, and I made a final attempt to induce him to hand over the official notebooks for the purpose of publishing them in our forthcoming report. I pointed out to him that Mr. Bernacchi had published a statement that on his deathbed Mr. Hanson 'handed over his notebooks to the U commander,' and that the fact had been confirmed to me personally by more than one member of the scientific staff of the Southern Cross. I told him (1) that the want of these notebooks had been commented upon by Capt. Barrett-Hamilton and Dr. Wilson in their account of the seals, and I asked for some definite explanation as to what had become of the official books, with the notes on the animals, collected during the voyage. He again denied that any such books existed. I endeavored to make him understand in what a serious position he stood with regard to the public, who would hold him responsible for the loss of any of the papers. He declared that Hanson's memoirs on the white seal had disappeared on the P. and O. 221 boat, on the voyage home. As Mr. Borchgrevink, at the above-mentioned interview, continued to deny the existence of the notebooks, I called in a witness, in whose presence he once more de-

the white seal had disappeared on the P. and U. boat, on the voyage home. As Mr. Borchgrevink, at the above-mentioned interview, continued to ieny the existence of the notebooks, I called in witness, in whose presence he once more declared that there was no notebook, and he expressed great surprise that I should listen to any statements made by his 'subordinates' in preference to the assertions made by him, who had been the commander of the expedition. It is clear from the evidence of his companions that the official notebooks of Mr. Nicolai Hanson were six or seven in number; that, apart from the little exercise-book with a list of the specimens of birds got in the Atlantic (the only document of any sort given me by Mr. Borchgrevink), and the memoir on the white seal (which he states was lost on the voyage home), there were at least four other memorandum books. None of them were ever handed to me." Mr. Borchgrevink says the state of things is "I initiated, organised, and commanded the Southern Cross expedition, financed by Sir George Newnes. All the members of my expedition were selected and appointed to their different positions by myself, each member being legally bound not to part with any news, collections, or notes, 'originals or copies,' connected with the expedition without my consent, the notes, collections, etc., being the property of C. E. Borchgrevink. Being myself, however, bound by agreement to Sir George Newnes, I formally approached him before the Southern Cross collections were offered to the Museum. I obtained his consent, and offered the entire collections to the Natural History Museum in South Kensington. I also gave to Dr. Bowdler Sharpe these notes which I received from the late Nicolai Hanson, except those which were lost in Hobart, and which were very insignificant and short, and written in 'sanitary paper.' Mr. Nicolai Hanson was ill from the day of landing, and this may account for those few notes left by him. If my staff or others have notes by Mr. Hanson it is contrary to agreement, and ought to have been delivered to me. Sir George Newnes, through me and on my advice, then offered the collections as a gift, the offer being by me carried out according to a letter (now in my possession) suggested by Dr. Bowdler Sharpe. "Lastly, let me say that, had I chosen to keep some notes, either for myself or for someone else, what right, 'moral or legal,' would Professor Lankester have had to complain? Are all notes not within the reach of Professor Lankester lost to science? But I did not keep these notes away. Neither did I keep the collections away. I am practically the generous donor who has received nothing but ingratitude and insults from those who benefited by my gift-the result of my life's work." 1 waren wan Commissioner request we to write

Were significations will be experiunfluence. The experiuneut was a great
luccess twill be of
great Value on the
Island reefs.

21. Sun.

Cherry Called in the morning I gave him water plants, snails taapoles etc. Adapted Brilliant View finder to premo camera.

22. Mon.

Now writing up some New fish records for N.S. Wales.

23 .Tuls\_

Saw Farnell Who will ask Fishery Commissioners to request we to write

a report ou fishes of Lord Howe Island huss megson, daughter of our new neighbour Came in for music practise, flute and peano. 24. Wed. Saw Wetherall on board the movesty which sailed to game! left hun collecting box for Norfolk Island. Letter from Wilfrid. he is takenif Father to tarfield. nusses Lucas here at might Replied to letter from
Percy Kemp. Sent to
No Vause the one [223] Thurs.

from Wilfrid. Spent evenuig ni arranging musice. 26. Tri working at Histopterus recurviristres having seen a copy of the paper by Cauestrine, received to day at the Museum. It should be type of new gonus. 27. Sat. While Rose this Laura Lucas went to Bazaar allan. Misses Mand L Pederl spart evening with me. + allan 28. Suu. Walk with Dash ui morning twent to tea at Tempe - [224]

During my absence Beauch Hopcraft went to Headingley to tea met huis returning. 29. Mon. Took miero-photos for Etheride Worate to Wilfrid Mishikawa Letter from fordan in ackt og fishes. Paid fire misurance and dog liceise. Welson paid reut due 10= To. Lues. Letter from Wilfrid -Paid Corbett 10%- for buiding Fisheries Exhib. literature. Paid water of £1. 18.9. Obtamed boat teckets £1. 4.0 Bought 5x4 photo. [225]

materials 5/10 Collars + tie 10/6. a doll 4- for marjorie Sinclair (Lucas) which I delivered at night. Commenced drawing of Stistiopterus. telephoned to Farnell at last Tuesdays meeting there was no quarum be will bring the on L. H. Is fishes hefore tomorrows meeting. Lodeed complaint re water service kupe at Burley" with W. + Sewerage Board

October. 1. wed. Takuig micro- photos They are however very unsatisfactory objects.
2. Thurs. Rec? Sas He £1.16.10. Miss megson here for husia. 3. Fri. Ownig to deusity of miero sectionis I have here photographing Etheridge asked me to wake drawning ustead I would pay me out of Run available, the paper is for west australia. Rose and Claude speut evening at Carlsruhe & I fetched them home. arranged for kienie on Sunday.

4. Sat Stayed at husseum in afternoon making mero-drawnies.

5. Sun.

Preince 2 huisses Lucas
Lelves took a boat
at the spit pulled
about huddle Itarbor
I took photos with the

6. Mon.

Italiay 8-hour day I Stayed at home Attended to aquarinus Cunented in dark Noon etc.

[228]

7. Tuls. 7. Ordered fish tackle from Eastways £ 3. Blanch and Bessie Hoperaft came in the recurirostris looked-8. Wed. wrote to Fisheries Defit. for permit to use poisois Explosives on Lord Howe b- 1 enclosed recommendation from Ethereides. Letter from welfred. Printed from negatives taken ou Sunday. 9. Thurs. Received a further Supply of prohes from [229]

I hompson. L. H. Is Five are new to the Island and one is probably undescribed Zenopsis. got averoid eet for L. K. S. trip. Me Lucas having a bad brouchal attack & took up the atomiser a gave her a steam fet medicated with Specacuanha wine. Sat Received letter from W. S. Board. (SEp 30) informing me that pipe was relaid as originally placed !! The Sydney "Mail!

## contauis the following, -

Mr. E. R. Waite, F.L.S., the well-known scientific authority on fish, engaged at the Australian Museum, is going for a visit to Lord Howe Island with his wife. Mr. Waite is making a holiday trip of it, but is taking his scientific apparatus to complete studies he had commenced during the time he was imprisoned on the island two years ago when the Thetis was blown away from the island, leaving Mr. F. Farnell and his party of trawlers on the pretty mid-ocean island. Lord Howe Island is a fisherman's paradise. and Mr. Waite should be able to secure some fine specimens.

Hayed at museum afternoon quaking drawings, (Etheredge). Neavy ram commended at right. Visited non Lucas again, found she had had a more restful might & gave her another Eve athuis of Specacuauha removed Thornton Pickard Shulter and Commenced to remstate the see-

12 Sun. Neavy downpours all

# contauis the following,

Mr. E. B. Waite, F.L.S., the well-known scientific authority on fish, engaged at the Australian Museum, is going for a visit to Lord Howe Island with his wife. Mr. Waite is making a holiday trip of it, but is taking his scientific apparatus to complete studies he had commenced during the time he was imprisoned on the island two years ago when the Thetis was blown away from the island, leaving Mr. F. Farnell and his party of trawlers on the pretty mid-ocean island. Lord Howe Island is a fisherman's paradise, and Mr. Waite should be able to secure some fine specimens.

stayed at museum afternoon yeaking drawings, (Etheriage).

### ATFISH BUDGET.

ila)

lot of caught ve been

MR. WAITE, of the Sydney Museum, secured a fine specimen of a bastard trumpeter this week. Anglers having a few minutes to spare should run up the Museum and inspect the specimens of fish that Mr. Waite has so nicely arranged there.

[2319]

"DAD," from the Tweed River, sends to use along the following :- Perch in the Tweed They River are not biting just now. The weather and up is too cold, but from the middle of September March they are plentiful, but you want to catch them. I find at

Removed Tack ground cricket,

Shulter and Commenced to reinstate the see

12 Sun.

Heavy downpours all

day. finished tehabilitating "Rover" camera which I intend for allaus use on the Island Visited the patient took her dinseed-tea gave her another inhalement found her much better. Left wistructions with Mis Mand for further use of atomeser. 13. Mon.

The raw cleared-off arthe record of 5/2 " Suce Taturday. I finished first section of drawings - (Etheredge). Replied to letter from W. S. Board.

14. Juls. Ou late duty. Letter from writind. 15. Wed. Fuished drawnies for Etheridee huss mand Lucas to tea. We all accompanied her home. 16 Thurs. wrate to Jordan gwing him dates of publication Etauna Japonica? Proces Covered case of premo. Camera with Mackintosh. Commenced a Scrape drawing of Zenopsis scopus. sp. nov. Finished drawing Miss messon to music in the evening. [233]

18. Sat. On late duty . Heard from Grodie, that my application to use Explosives + poisous L. H. So. had been granted. made wood lid for Premo camera case + covered with rubber cloth. 19. Sun. Sun. Wet day. Muss Laura Came to tea with Mar-jorie & I saw them home Mou. Had chat with Smithers re fish explosives. I printed mounted photos. 21. Tues Saw Pettuau Under See for nives re explosives

also Rack a Wock Co. 22 wed. Recewed proof Zenopsio drawing & condemned it. Conversazione Hat Club. Took Rise Claude Miss. L'M. Rucus. Exhibited drawwies Turopean Ducks wethods of reproduction for Mustration played 2 préces on flute. Thus Saw Halligan reBattery - wrote to Chief rugmeer Harbour Rivers DEpt. Ullan Came ni evennes I developed his Rover. Exposures. Urate Sto. re delivery of letters during our absence.

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