tendency is towards a square shape; in the deeper sinking, in a longitudinal depression, of the coronal extremities of the nasal bones in the Tiger than in the Lion; in the bounding of this depression above in most of the. Tigers' crania by a small but distinct semilunar ridge, which is not found in those of the Lion; and in the larger comparative size, chiefly in their transverse diameter, of the infraorbital foramina in the Lion. These foramina, it is curious to observe, are double either on one or both sides in the only four crania examined of Lions which were known to be Asiatic, while in all the others the foramen was single on each side.

Specimens were exhibited of Placunanomia from the collection of Mr. Cuming, and the following Notes by Mr. Broderip respecting them were read.

## Genus Placunanomia.

Since my publication of this genus in the 'Proceedings of the Committee of Science and Correspondence,' (Part II. p. 28.) Mr. Cuming has found among his stores the following three species in addition to Plac. Cumingii, which I have already recorded.

Placunanomia rudis. Plac. testá sordidè albâ, crassa, concentricè irregulariter corrugatã, intùs nitidè polita: alt. $1 \frac{7}{8}$, long. $1 \frac{1}{}$, lat. $\frac{5}{8}$ poll.
Hab . in Indiâ Occidentali.
$\mathrm{O}_{\text {bs. }}$ Ostrea edulis speciem referens.
Mr. Cuming detected this Placunanomia attached to a Spondylus croceus.-W. J. B.

Placunanomia foliata. Plac. testa subdiaphand, subcirculari, rudi, subfoliata, sordidè alba, intùs splendente; valvce superioris medio purpureo-fusco: alt. $1 \frac{7}{8}$, long. $1 \frac{5}{\frac{5}{4}, \text { lat. } T^{\frac{4}{V}} \text { poll. }}$
Hab. in sinu Guayaquil Columbix Occidentalis. (Isle of Muerte.)

Dredged up attached to a dead Pinna from a bottom of sandy mud, at the depth of eleven fathoms.

The surface of the inside of the lower valve is uneven but lustrous, and of a hue somewhat approaching to golden. The inside centre of the upper valve is of a rich purple brown. The outer surface of the lower valve, which has been attached throughout its whole extent, bears a somewhat crystalline appearance; and this observation may be applied to the adhering surface of Plac. rudis. In the last-mentioned species this portion is comparatively small, and the eye will immediately detect it from the contrast which it affords with the dull exterior of the part which was free.-W. J. B.

Placunanomia echinata. Plac. testa subtumidá, valva superiore seriatim echinata, limbo purpurascente: alt. $1_{\frac{1}{8}}$, long. $1_{\frac{3}{8}}^{\frac{3}{8}}$, lat. s poll.
Hab. ad Insulam Nevis.
Dredged up attached to shells, by Mr. Powers, from sandy mud at a depth of six fathoms.

The inside of the upper valve is of a shining colour, approaching to golden, and that of the lower is sometimes silvery and sometimes of a lighter shade of the colour of the inside of the upper valve.

This species varies much in shape, according to circumstances. Mr. G. B. Sowerby possesses one of an irregular ovate form. Indeed Placunanomia, in conımon with other adherent genera, varies much in shape, accommodating its external form to the surface to which its lower valve is attached. It is remarkable also for putting on the appearance of other genera or species; and this, with the extreme closeness of the adhesion of the lower valve, has been perhaps one of the causes why it has escaped the notice of zoologists. Thus, Plac. Cumingii, to a casual observer, looks like one of the plicated Oysters; Plac. rudis greatly resembles the common Oyster, Ostrea edulis ; and Plac. echinata wears something of the appearance of some of the short-spined Spondyli.-W. J. B.

Besides the species above recorded Mr. G. B. Sowerby has kindly furnished me with an odd valve of a large species from Luçonia, beautifully iridescent internally: but as it is believed that this is identical with the fine shell sold by him to the British Museum, I leave the description of it to the officers of that institution, in whose province it is, and who are so fully capable of doing it justice.

This genus, then, appears to be widely diffused. Mr.G. B. Sowerby has some other odd valves which may prove new. I possess two or three specimens adhering to Spondyli from an unknown locality; but they appear to be young, and, though I am inclined to think that there is among them a new species, I wait for further information before I venture to characterize it.-W. J. B.

Mr. Owen read the following Notes on the Anatomy of the pur-ple-crested Touraco, Corythaix porphyreolopha, Vig.
"In commencing the anatomical examination of this Bird, my attention was first directed to the form of the tongue. This was large, and not confined to the posterior region of the mouth, but extended to the end of the lower mandible : its apex was beset with a few small horny bristles directed forwards, as in the Toucans, Rhamphastos, Linn., but much less produced than in those birds. It is probable that the ripeness of fruit on which these birds feed is tested by these yielding processes. The base of the tongue was, as usual, beset with retroverted papillc, and elevated into a distinct ridge, serving, as in many of the cold-blooded ovipara, as an epiglottis. The interspace between this ridge and the laryngeal aperture was very glandular. That aperture was simple and terminated posteriorly by two retroverted spines; so that it is defended in some degree against regurgitated food as well as from that which is swallowed.
"The cesophagus is continued down to the stomach of uniform ample width (its diameter being $\frac{3}{3}$ rds of an inch) without any dilatation or ingluvies, as in the true Rasorial birds. Its termination for about $\frac{s}{4}$ ths of an inch is occupied by the zone of gastric glands, forming the proventriculus, which does not deviate in capacity or course from

January 28, 1834.

## William Yarrell, Esq., in the Chair.

A preparation was exhibited of the stomach of Semnopithecus Maurus, F. Cuv., presented to the Society by G. H. Garnett, Esq. It was brought under the notice of the Meeting for the purpose of showing that there exists in that Monkey the extremely elongated and sacculated form of the viscus, which was first described by M. Otto, as occurring in Semn. leucoprymnus, and which was subsequently exhibited by Mr. Owen, at the Meeting of June 11, 1833, (Proceedings, Part. I. p. 74.) as obtaining also in the only two species of the genus which he had then examined, the Semn. Entellus, F. Cuv., and the Semn.fascicularis, Raff., -a structure which he afterwards described and figured in the 'Transactions' (vol. i. p. 65 , pll. 9 and 10). Mr. Owen's impression that this remarkable modification of the stomach is a generic peculiarity, receives confirmation from its occurrence in the first previously unexamined species which has been dissected within the Society's reach since the publication of his remarks.

An extensive series of Eulimae, chiefly from the collection of Mr. Cuming, was exhibited, and the following account by Mr. G. B. Sowerby of the genus and of the characters of the several species was read.

## Genus Eulima, Risso.

Testa turrita, acuminata, polita, anfractibus plurimis ; aperturâ ovatâ, posticè acuminatâ ; labio externo subincrassato, varices obsoletos frequentes, subsecundos, plerumque efformante : operculo corneo, tenui, nucleo antico.

This genus of marine Shells appears to be most nearly related to Pyramidella and Rissoa. A species which has been long known has had the appellation of Turbo politus among British Linnean writers; and a fossil species has been placed by Lamarck among the Bulini, under the specific name of Bul, terebellatus. There are two distinctly marked divisions of the genus, which are characterized by the two species above mentioned; one has a solid columella, and the other is deeply umbilicated. All the species are remarkable for a brilliant polish externally, and the shells are frequently slightly and somewhat irregularly twisted, apparently in consequence of the very obsolete varices following each other in an irregular line, principally on one side, from the apex toward the aperture. Several recent species are British, and the fossil species are found in the calcaire grossier near Paris.

## * Perforatæ.

Eulima splendidula. Eul. testa acuminato-pyramidali, brunnescente, prope suturas albo castaneoque articulata; umbilico magno; aperturá anticè angulatá: long. $1 \cdot 45$, lat. $0 \cdot 6$ poll.
Conch. Illustr., f. 7.
Hab. ad Sanctam Elenam Americæ Meridionalis.

A single specimen of this brilliant shell was dredged in sandy mud at from six to eight fathoms' depth.--G. B. S.

Eulima marmorata. Eul. testd acuminato-pyramidali, albido brunneoque marmoratd; anfractibus paululim rotundatis; umbilico magno, patulo; apertura anticè angulata: long. 0.85 , lat. $0 \cdot 4$ poll.
Conch. Illustr., f. 8.
Hab.
A single specimen was in the collection of the late G. Humphrey.
-G. B. S.
Eulima interrupta. Eul. testa acuminato-pyramidali, albicante, ad varices brunneo maculatá ; umbilico mediocri; aperturd anticè angulata: long. 0.7 , lat. 0.25 poll.
Conch. Illustr., f. 11.
Hab. in Americâ Centrali.
Dredged in coarse sand, at from eleven to thirteen fathoms, in the Gulf of Nocoiyo.-G. B. S.

Eulima imbricata. Eul. testa acuminato-pyramidali, albida, longitudinaliter spadiceo lineata; anfractibus infrà angulatis, prominentibus; umbilico parvo; aperturá anticè angulatã: long. $0 \cdot 8$, lat. 025 poll.
Conch. Illustr., f. 4.
Hab. ad Sanctam Elenam Americæ Meridionalis.
Dredged in sandy mud in from six to eight fathoms.-G. B. S.
Eulima brunnea. Eul. testá acuminato-pyramidali, brunned; anfractibus rotundatis; umbilico parvo; aperturá anticè rotundatd: long. $0 \cdot 6$, lat. $0 \cdot 2$ poll.
Conch. Illustr., f. 9.
Hab. ad Insulam Haynan dictam, in mare Sinensi.
Several specimens were in the late G. Humphrey's collection.-
G. B. S.

## ** Imperforatæ.

Eulimá brevis. Eul. testá brevi, acuminatá, hyaliná; varicibus subsecundis; aperturd anticè rotundatá: long. 0.4, lat. $0 \cdot 15$ poll.
Conch. Illustr., f. 15.
Hab. ad Insulas Oceani Pacifici.
Found on the Mother-of-pearl Shells at Lord Hood's Island.G. B. S.

Eulima hastata. Eul. testd breviuscula, alba, prope apicem testaced ; apertura ovata, margine laterali anticaque subangulatis : long. 0.7 , lat. 0.2 , poll.
Conch. Illustr., f. 10.
Hab. ad Sanctam Elenam.-G. B. S.
Eulima major. Eul. testá acuminato-pyramidali, opaca, lacteá; labio externo subarcuato: long. $1 \cdot 6$, lat. $0 \cdot 4$ poll.
Conch. Illustr., ff. 1. 1*. 1**.
Hab. ad Insulam Tahiti.
The largest specimen was found in coral sand on the reefs.-
G. B. S.

Eulima labiosa. Eul. testa acuminato-pyramidali, latiusculd;
anfractibus subrotundatis ; apertura brevi, labio externo postice dilatato: long. 0.7 , lat. 0.3 poll.
Conch. Illustr., f. 2.
Hab. ad Insulam Annaa Oceani Pacifici.
Found in fine coral sand.-G. B. S.

## Eulima Anglica.

Turbo politus, Mont., Test. Brit. Conch. Illustr., f. 5.
Eulima subangulata. Eul. testa acuminato-pyramidali, tenui, opaca, albd; anfractu ultimo anticè subangulato: long. 0.7, lat. 0.2 poll.

Conch. Illustr., f. 3.
Hab. ad littora maris Indici.
A few specimens were among the late G. Humphrey's stores, labelled E. I.-G. B. S.

Eulima pusilla. Eul. testa acuminato-pyramidali, tenui, hyalina, alba ; anfractibus longiusculis : long. 0.3, lat. 0.05 , poll.
Conch. Illustr., f. 6.
Hab. ad Sanctam Elenam Americæ Meridionalis.
Variat omnino fusca.-G. B. S.
Eulima articulata. Eul. testd acuminato-pyramidali, alba, fusco articulatd et marmoratd; anfractibus subrotundatis; varicibus subprominulis; labio externo crassiusculo: long. $0 \cdot 9$, lat. 025 poll.
Conch. Illustr., f. 12.
Hab. ad littora Australix.
This species is remarkable for the dark coloration immediately anterior to each varix.-G. B. S.

Eulima varians. Eul. testd subfusiformi, acuminatd, tenui, coloribus varid ; aperturd oblongd: long. $0 \cdot 5$, lat. 0.15 poll.
Conch. Illustr., f. 14.
Hab. ad Xipixapi Americæ Meridionalis.
Two specimens were collected in sandy mud by Mr. Cuming, one of which is white, the other dark brown: several others were among G. Humphrey's stores, some of which are white, others are marked with brown lines and mottled.-G. B. S.

Eulima lineata. Eul. testa fusiformi, tenui, alba, lineis fuscis duabus spiralibus; aperturd oblongd: long. 07 , lat. $0 \cdot 1$ poll.
Conch. Illustr, f. 13.
Hab.
Several specimens of this were in G. Humphrey's collection, marked "Spira lineata, Weymouth, M.P.": these two last letters stand for Musai Portlandici. I make no further remark, save that it appears to have been published by Da Costa under the name of Turbo glaber.-G. B. S.
Eulima acuta. Eul. testa turrito-acuta, alba; anfractibus duodecim lavibus, suturis obsoletis; varicibus sparsis: long. 04, lat. 0.05 poll.
Hab. in Americâ Centrali. (Bay of Montiji.)
Found in coarse sand at a depth of thirteen fathoms.-G. B. S.

February 25, 1834.
Lieut.-Col. Sykes in the Chair.
A letter was read, addressed to the Secretary by M. W. Bojer, Corr. Memb. Z.S., and dated Mauritius, Nov. 15, 1833. It referred principally to the animal from Madagascar, which was transmitted in the spring of last year to the Society by the late Mr. Telfair, and which was brought by Mr. Bennett on April 9, 1833, (Proceedings, Part I. p. 46,) under the notice of the Society as the type of a new genus, for which he proposed the name of Cryptoprocta, on account of its possessing an anal pouch, and being thereby distinguishable from Paradoxurus, F. Cuv. One of the habits of the Cryptoprocta ferox indicated, during the life of the animal, the existence of this pouch : when violently enraged, and it was apt to become exceedingly ferocious on the sight of a morsel of flesh, "it frequently gratified the persons present with, not an odoriferous, but a most disagreeable smell, very like that of Mephitis." When its voracity was not thus excited, it was "quite domesticated and extremely fond of playing with children," and ran "about the house and yard free and sprightly, eating everything." When at liberty "it lay constantly in a rolling posture; " in confinement its sleeping position was not that of the Viverree, "but always on its side, or even on its back, holding with its fore-feet the small wires of its cage." "It died of epileptic fits, which tormented it for nearly three months, and during the last few days of its existence the attacks were very strong and frequent." It had lived in the Mauritius, M. Bojer states, about twenty-five months; and he feels on this account some hesitation as to the immature condition of its dentary system, inquiring whether "this period was not sufficient for its developement, or were the detention and domestication the cause of the imperfection?"

With reference to this inquiry, Mr. Bennett remarked that in the Viverride generally the replacement of the milk teeth takes place at a comparatively late period of existence, a fact recorded by Mr. Gray in the 'Proceedings of the Committee of Science and Correspondence' of this Society (Part II., p. 65), and principally insisted on as regards Paradoxurus, a genus most intimately allied to Cryptoprocta. He added, that the fits of which the animal died were not improbably occasioned by the irritation of dentition.

Mr. Bennett's account of Cryptoprocta ferox, with a figure of the animal, will be published in the Second Part of the Society's 'Transactions.'

The reading was commenced of a Paper, entitled "Descriptions of New Species of Calyptrcida: by W. J. Broderip, Esq."; and the Shells described in it, chiefly obtained from the collection of

Mr. Cuming, were exhibited. The abstract of this Paper, including the characters of the new species, will be given on the completion of the reading of it.

Mr. Owen read a Paper "On the Anatomy of the Calyptrceide." After referring to the account given by Cuvier of the anatomy of Crepidula, to that by M. Deshayes of Calyptrcea, and to M. Lesson's of Crepipatella, as elucidating the general plan of organization in this family, he proceeds to describe the structure of Calypeopsis.

The anatomy of this genus agrees very nearly with that of the before-known genera of the family, scarcely differing, except in the comparative extent of the locomotive and respiratory systems; but Mr. Owen has been enabled to add to the labours of his predecessors an account of the testis, and a description of the salivary glands. The testis is lodged in a membranous chamber, and consists of a glandular part of a light brown colour, and of a fibrous texture when seen under the lens; though, from analogy, the apparent fibres are no doubt seminal tubes. By the side of the testis there is a bag, or vesicula seminalis, appropriated to receive the secretion, which communicates with the termination of the oviduct posterior to the anus; the anus being situated on the right side of the branchial orifice, anterior to the testis, which here separates it from the oviduct. Between the testis and the process on the right side of the neck (regarded by Cuvier as the penis,) Mr. Owen has been unable to trace any communication: he feels, consequently, convinced that if this process forms part of the male generative system, it is to be regarded rather as an exciting than an intromittent organ. The salivary apparatus consists of two elongated follicles with glandular parietes, occupying the neck on either side of the cesophagus, anterior to the nervous collar, and opening into the cesophagus on each side of the base of the lingual plate.

After passing in review the several systems, Mr. Owen concludes by remarking on the internal chamber or cup which exists in the shells of this family. He regards it as being necessitated by the greater extent of the locomotive powers in Calyptrica than in Pa tella; a calcareous plate being interposed between the viscera and the foot to protect them from the pressure to which they would otherwise be exposed during the comparatively extensive and frequent contractions of the latter organ. As respiration has a direct relation to locomotion, the Calyptraide approach towards the higher marine univalves in the organs dedicated to that function. Throughout the family the extent of the respiratory lamina is found to correspond with the extent of the internal shell, and with the extent and organization of the foot.

Numerous specimens were exhibited of Birds collected in North America, principally in the United States, by George Folliott, Esq., and presented by him to the Society. At the request of the Chairman, Mr. Gould brought them severally under the notice of the Meeting. His principal object being to illustrate, so far as these

March 11, 1834.
William Spence, Esq., in the Chair.
Specimens and drawings were exhibited of a freshwater Tortoise, forming part of the collection of Mr. Bell, by whom it was described as the type of a new genus, for which he proposed the name of

## Cyclemys.

Sternum latum, testam dorsalem longitudine ferè æquans, integrum, solidum ; testæ dorsali ligamento squamato connexum.

Cyclemys orbiculata. Cycl. iestá suborbiculari, carinata, postice dentata, fuscd; scutis sterni fluvescentibus, fusco radiatim lineatis.
Long. dorsi, 8 unc.; lat. 7 ; alt. 3.
Emys orbiculata, Bell.
Pullus. Emys Dhor, Gray, Syn. Rept., p. 20.?
$H a b$. in Indiâ.
Mr. Bell regards the Tortoise which he has thus characterized as supplying a link in the connecting series of the land with the freshwater families which has hitherto been wanting; and as especially valuable in the natural arrangement, by the clue which it furnishes to the correct location of the Indian forms of the genus Emys. It is, indeed, most nearly related to Emys spinosa, and on a superficial observation might almost be referred to that species; but on closer examination it is found to differ from that Tortoise, not only specifically, but generically also : its sternal bones are permanently separated from the dorsal ones, with which they are connected by means of a ligament alone, similar to that which performs the same office in Terrapene. From the Box-Tortoises, however, to which, in this point of its structure, it is so closely related, Cyclemys is altogether distinct, the whole of its sternum being entire, instead of having, as is invariably the case in Terrapene, one or more transverse divisions of the sternum itself, the lobes of which move as on a hinge. In Terr. Europaa this mobility of the sternum exists in each lobe in a small degree, combined with the ligamentous connexion of the sternal to the dorsal bones. In Cyclemys the whole sternum moves together, though very slightly.

The transition from the land to the freshwater Tortoises may consequently be regarded as commencing in Terrapene; passing through Terr. Europaa to Cyclemys orbiculata; and thence through the Indian forms of Emys, which so closely resemble the latter species, to the other forms of Emys: the natural series of connexion between the Testudinidee and the Emydida being thus completed.

The exhibition was resumed of the new species of Shells contained in the collection of Mr. Cuming. Those now exhibited were accom-

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panied by characters by Mr. G. B. Sowerby, and consisted of species and varieties additional to those previously characterized by Mr. Broderip, (Proceedings, Part I. p. 52.) of the

## Genus Conus.

Conus Algornsis. Con. testá tenuiusculá, subcylindraceá, levi, fuscá, fascií unica seu fasciis duabus interruptis albis; spira brevi, subrotundatã, albo fuscoque articulatá : long. 1•15, lat. 0.55 poll.
Hab. ad littora Africæ Meridionalis.
Found on the sands at Algoa Bay.-G. B. S.
Conus Aulicus.
Var. roseus. Testâ forma et statura Con. Aulico omnind simillimd, maculis irregulariter subtrigonis, roseis.
Hab. ad Insulam Annaa.
This, the most beautiful variety of Con. Aulicus, is found on the coral reefs around the Island of Annaa or Chain Island.-G. B. S.

Conus Nussatella.
Var. tenuis. Testa tenui, alba, flavicante nebulata, punctulis fuscis transversè seriatim dispositis; striis transversis tenuissimis.
Hab. ad Insulam Annaa.
Found on the coral reefs.
This variety differs in being more slender, much thinner, more produced at the spiral end, and wider anteriorly, from the ordinary variety. Its transverse strice are, moreover, very fine, and its brown specks much more distant and regular.-G. B. S.

Conus tendineus.
Var. granulosus. Testá forma et statura omnind Con. tendinei, striis transversis confertis granulosis.
Hab. ad Insulam Annaa.
Found on the coral reefs.-G. B. S.
Conus Luzonicus.
Var. Testä formá et statura omninò Con. Luzonici, fusco-nigricante, fascia interruptá medianá carulescente-albida, anticè albido variá.
$H a b$. ad Insulas Gallapagos.
Found in the clefts of rocks at low water.
A specimen of the more usual variety, which accompanies these, shows the epidermis.-G. B. S.

Conus brunneus, Wood. Con. testa turbinata, crass ${ }^{\text {, cheronata, }}$ fuscd, maculis albis transversè fasciatim dispositis ; spira subprominuld̃, albo fuscoque maculatá, spiraliter sulcutã, tuberculis magnis ; basi lineis elevatis, subgranosis: long. 1•8, lat. 1• poll.
Wood, Suppl. pl. 3. f. I.
Variat testâ crassiore, totâ fuscâ, immaculatâ.
Hab. ad Insulas Gallapagos, ad Puertam Portreram et ad Panamam.

Found in the clefts of rocks.-G. B. S.

Conus pulchellus. Con. testá oblongo-turbinata, coronatd, albicante roseo tinctd ; supernè turgiduld, infrà granoso-lineatá; punctulis nonnullis fuseo-nigricantibus sparsis ; apertura intùs carneâ : long. $1 \cdot 5$, lat. 0.8 poll.
Hab. ad littora occidentalia Australiæ.
From Freemantle.-G. B. S.
Conus Diadema. Con. test durbinatd, levi, crassa, coronatá, fuscá, fascia angustá medianá pallidiore; spira subdepressd, tuberculis magnis, albis; apice mucronato; basi lineis elevatiusculis nonnul. lis ; apertura intùs purpureo-albicante : long. 1•7, lat. 1- poll.
Hab. ad Insulas Gallapagos.
Found in the clefts of the rocks at low water.-G. B. S.
Conus ferrugatus. Con.testá acuminato-conica, lavi, alba, maculis longitudinalibus punctisque seriatim dispositis ferrugineis; spira subacuminatd, albd, ferrugineo maculata; basi sulcata : long. $1 \cdot 7$, lat. 0.8 poll.
Hab. ad Sinum Californiæ et apud Insulam Guaymas.
This differs much from Con. monilifer in its proportions.-G. B. S.

> Conus Regalitatis. Con. testdturbinata, levi, crussiusculd, supernè ventricosa, spadiceá, maculis punctulisque albo-cæerulescentibus varid ; spird depressiuscula, spiraliter sulcatd ; basi lineis elevatiusculis paucis, subrugosis: long. 2', lat. $1 \cdot 1$ poll.

Hab. ad littora Americæ Centralis. (Real Llejos.)
Found in the clefts of rocks on sandy mud.
It may be designated Real Llejos or Royalty Cone.-G. B. S.
A specimen was exhibited of the Musk Duck of New Holland, Hydrobates lobatus, Temm. It had recently been presented to the Society by Lieut. Breton, R.N., Corr. Memb. Z. S., who entered into some particulars respecting its habits. He stated that these birds are so extremely rare, that he saw only three of them during his various excursions, which extended over twelve hundred miles of country. He has never heard of any instance in which more than two were seen together. They are met with only on the rivers, and in pools left in the otherwise dry beds of streams. It is extremely difficult to shoot them, on account of the readiness with which they dive; the instant the trigger is drawn, the bird is under water.

Some observations by Dr. Hancock on the Lantern-fly and other Insects of Guiana were read.
The writer concurs with M. Richard and M. Sieber in regarding as erroneous the statement of Madame Merian, that the Lantern- $f y$, Fulgora lanternaria, Linn., exhibits at night a brilliant light, and remarks that the whole of the native tribes of Guiana agree in treating this story as fabulous : it seems to be an invention of Europeans desirous of assigning a use to the singular diaphanous projection, resembling a horn lantern, in front of the head of the insect. He also states that the Fulgorec rarely sing.

March 25, 1834.
William Yarrell, Esq., in the Chair.
A specimen was exhibited of an Albatross presented to the Society by Lieut. Breton, Corr. Memb. Z. S., whose principal object in calling the attention of the Society to it was to mention that, being unprovided at the time at which the bird was killed with any of the ordinary preserving powder or soap, he had used for its preservation a mixture of Cayenne and black peppers with snuff and salt. The skin, well rubbed with this mixture, was brought through the intertropical regions in an ordinary trunk, affording free access to insects, and arrived in England uninjured. Lieut. Breton conceives that it may be advantageous to collectors to be made aware that the preservation of skins can be secured by articles so constantly at hand as those which he employed in this instance.

The exhibition was resumed of the new species of Shells forming part of the collection made by Mr. Cuming on the western coast of South America, and among the islands of the South Pacific Ocean. Those brought on the present evening under the notice of the Society were accompanied by characters by Mr. G. B. Sowerby, and consisted of five species of the

## Genus Gastrochena.

Gastrochena ovata. Gast. testa ovata, albicante, longitudinaliter striatá, striis exilibus, lamellosis, formam marginis semper sequentibus ; longitudine lateris antici quintam partem testa equante: long. $1 \cdot 2$, lat. $0 \cdot 7$, alt. 0.7 poll.
Hab. in Sinu Panamensi (Isle of Perico,) et ad Insulam Platæ.
Found in Spondyli at the Isle of Perico, and in coral rocks, at a depth of seventeen fathoms, at the Island of Plata.-G. B. S.

Gastrochena truncata. Gast. testá oblonga, posticè rotundatotruncatá, striata, sordidè albicante; epidermide tenui lamellosá posticè tecta; latere antico brevissimo, subacuminato: long. 1.4, lat. 0.7 , alt. 0.7 poll.
Hab. in Sinu Panamensi. (Isle of Perico.)
Found in Spondyli.-G. B..S.
Gastrocifna brevis. Gast. testd breviter ovata, tenui, pellucidá, striatd, striis exilissimis ; longitudine lateris antici octavam partem testa cquante: long. $0 \cdot 8$, lat. 0.5 , alt. 0.5 poll.
Hab. ad Insulas Gallapagos et apud Insulam Lord Hood's dictam.
Found in Pearl oysters in from three to seven fathoms.-G. B. S.

Gastrochena rugulosa. Gast. testd oblongd, albidd, striatd, rugulosd, striis anticis prope marginem hiantem confertis, acutis; hiatu longissimo: long. $0 \cdot 8$, lat. $0 \cdot 3$, alt. $0 \cdot 4$ poll.
Hab. ad Insulas Gallapagos et apud Insulam Lord Hood's dictam.
Found with the last.-G. B. S.
Gastrochena hyalina. Gast. testá ovali, albida, hyalind, levi, dorso longitudinaliter striato ; latere antico brevi ; hiatu duos trientes testa aquante : long. 0.55 , lat. $0 \cdot 25$, alt. $0 \cdot 3$ poll.
Hab. ad Insulam Lord Hood's dictam.
Found with the two last.-G. B. S.

A Note was read from Mr. Gray, giving an account of the arrival in England of two living specimens of Cerithium armatum, which had been obtained at the Mauritius, and had been brought from thence in a dry state. That the inhabitants of land Shells will remain alive without moisture for many months is well known : he had had occasion to observe that various marine Mollusca will also retain life in a state of torpidity for a considerable time, some facts in illustration of which he had communicated at a recent Meeting of the Society (Proceedings, Part I., p. 116.) : the present instance included, however, a torpidity of so long a continuance as to induce him to mention it particularly. The animal, though deeply contracted within the shell, was apparently healthy, and beautifully coloured. It emitted a considerable quantity of bright green fluid, which stained paper of a grass green colour : it also coloured two or three ounces of pure water. This green solution, after standing for twelve hours in a stoppered bottle, became purplish at the upper part ; but the paper retained its green colour though exposed to the atmosphere.

The Secretary mentioned an instance of the arrival in this country of a living Cerithium Telescopium, Brug., brought from Calcutta, in company with some small Paludina, which also reached England alive : these Moltusca were, however, kept in sea water frequently changed. The Cerithium was placed by Mr. G. B. Sowerby, for dissection, in the hands of the Rev. M. J. Berkeley and G. H. Hoffman, Esq., who have prepared a paper on its anatomy for the forthcoming No. of the 'Zoological Journal': it will be illustrated by a series of figures, which were exhibited to the Meeting. It is worthy of remark, that the spirit in which this animal was immersed for the purpose of killing it, and in which it was kept for some weeks, became of a dark verdigris colour.

Dr. Weatherhead exhibited two young Ornithorhynchi preserved in spirit, which he had recently received from New Holland, and stated his intention of presenting one of them to the Society's Museum. The smallest of them is about two inches in length; the largest about four. Both are destitute of hair; and in both the eye-lids are closed. In the smaller one there is a vestige of an umbilical slit.

Numerous specimens were exhibited from Mr. Cuming's collection, in illustration of a Paper by Mr. Broderip, entitled, " Descriptions of several New Species of Calyptraida."

The new species described in this paper are distributed and characterized as follows :

## Subgenus Calyptraa.

Testa subconica, subacuminata, cyathi basi adhærente, lateribus liberis.

> a. Cyatho integro.

Calyptraa rudis. Cul. testd fusca, subdepressa, suborbiculari, radiatim corrugata, limbo crenato ; cyatho concentricè lineato, albido, irregulariter subcirculuri; epidernide subfusca: diam. 2 poll. circiter, alt. $\frac{7}{1}$.
Hab. ad Panamam et Real Llejos.
This species, whose white onyx-like cup, adhering only by its base, shows to great advantage against the ruddy brown which is the general colour of the inside of the protecting shell, was found under stones. The young sheils are the flattest and most regular in form, but their inside is generally of a dirty white, dimly spotted with brown.W. J. B.
ß. Cyatho hemiconico, longitudinaliter quasi diviso. (Calyptræa, Less.)
Calyptrea corrugata. Cal. testd subalbidá, suborbiculari, subdepress $\alpha$, corrugatd ; intùs nitente; cyatho concentricè lineato, producto; epidermide fusca: diam. $1 \frac{5}{8}$ poll. circ., alt. $1 \frac{\mathrm{~g}}{0}$.
Hab. in Americâ Centrali. (Guacomayo.)
Found under stones at a depth of fourteen fathoms.-W. J. B.
Calyptraa varia. Cal. testa albidd, suborbiculari, crassiuscula, longitudinaliter creberrimè striata; cyatho concentricè lineato, crassiusculo, producto: diam. $1_{\frac{3}{8}}$, alt. max. $\frac{7}{8}$, alt. min. $\frac{\frac{2}{8}}{}$ poll.
Hab. in Oceano Pacifico. (Lord Hood's Island, the Gallapagos, and the Island of Muerte in the Bay of Guayaquil.)

This is a very variable species allied to Cal. equestris, and taking almost every shape which a Calyptriaa can assume. It differs in thickness according to localities and circumstances.-W. J. B.

Calyptraa cepacea. Cal, testa albá, suborbiculati, subconcava, tenui, diaphana, striis numerosis subcorrugatá; intùs nitente;

Hab. in sinu Guayaquil. (Island of Muerte.)
This was dredged up, adhering to dead shells, from sandy mud, at a depth of eleven fathoms. Besides other differences, the terminating points of the divided cyathus are much more lanceolate than they are in Cal. varia.-W. J. B.

Calyptrea cornea. Cal. testá suborbiculari, complanatá, albidáa, $_{2}$ subdiaphana, concentricè lineatd et radiatim striata; intùs nitente : diam. $\frac{\frac{\pi}{8},}{8}$ alt. $\frac{1}{8}$ poll.
Hab. ad Aricam Peruviæ.
Dredged up from sandy mud at a depth of nine fathoms.-W.J.B.

## Subgenus Calypeopsis, Less.

## Cyatho interno integro, lateraliter adhærente.

Calyptraaradiata. Cal. testa conico-orbiculari, albidá fusco radiata, striis longitudinalibus crebris ; limbo crenulato; apice acuto, subrecurvo; cyatho depresso: diam. 1, alt. ${ }^{\frac{5}{7}}$ poll.
Hab. in Americâ Meridionali. (Bay of Caraccas.)
The cup of this pretty species is pressed in, as it were, on one side, and adheres to the shell not only by its apex, but also by a lateral seam, which scarcely reaches to the rim of the cup. The apex of the younger specimens, both externally and internally, is generally of a rich brown, and there can be little doubt that when first produced they are entirely of that colour.

Found in sandy mud, on dead shells, at a depth of from seven to eight fathoms.-W. J. B.

Calyptrea imbricata. Cal. testa albida, crassa, subconica, ovatd, costis longitudinalibus et squamis transversis imbricatd ; apice subincurvo, acuto ; limbo crenato ; cyatho depresso: diam. 1, lat. : alt. : poll.
Hab. ad Panamam.
Found on stones, in sandy mud, at a depth of from six to ten fa-thoms.-W. J. B.

Calyptraa lignaria. Cal. testá crassa, fusca, deformi, striis corrugatã; apice prominente subadunco, acuto, posteriore: long. $1_{\text {Tテ̄ }}$, lat. $\frac{5}{8}$, alt. $\frac{7}{8}$ poll.
Hab. in Americâ Centrali. (Real Llejos.)
The majority of individuals of this species have their shells so deformed that they set description at defiance : the comparatively wellformed shell occurs so rarely that it may be almost considered as the exception to the rule. When in this last-mentioned state, the circumference of the shell is an irregular, somewhat rounded oval, and it rises into a shape somewhat resembling the back of Ancylus, with the apex very sharp and inclining downwards. The shell in this shape is generally less corrugated than it is in deformed individuals, though some of those are comparatively smooth ; but in both states the shell is striated immediately under the apex, and is for the most part corrugated on the other side of it.

Found under stones.
Var. a. Enormiter conica, cyatho valde profundo.
This variety is often one inch and six eighths in height, and its cup nearly one inch deep, while the diameter of the shell at the aperture does not exceed one inch.

Found on shells at the Island of Chiloe, in sandy mud, at the depth of four fathoms.-W. J. B.

Calyptrea tenuis. Cal. testd irregulari, tenui, subdiaphana, creberrimè strintá, albidd interdum fusco pallidè strigatá : diam. 1 circ., alt. $\frac{8}{1 z}$ poll.
Hab. ad Peruviæ oras. (Samanco Bay.)
Found on living shells, in muddy sand, at a depth of nine fathoms. -W. J. B.

Calyptraa hispida. Cal. testa subovata, subconicd, alba strigis maculisque subpurpureo-fuscis varia, striis frequentibus et spinis tubularibus erectis hispida; limbo crenulato ; apice turbinato ; cyatho subdepresso: diam. $\frac{1}{\frac{1}{2}, ~ l a t . ~} 7^{8}{ }_{5}$, alt. $7^{3}{ }^{3}$ poll.
Hab. ad Insulam Muerte. (Bay of Guayaquil.)
This elegant species, the circumference of whose somewhat depressed cup is free, with the exception of one part where it adheres laterally, was found on dead shells, in sandy mud, at a depth of twelve fathoms.-W. J. B.

Calyptrea maculata. Cal. testd ovatd, albidá purpureo-fusco maculata, longitudinaliter rugosa; limbo serrato; apice subturbinato, subincurvo: diam. $\frac{1}{1 \frac{1}{2}, ~ l a t . ~} \frac{T^{7}}{10}$, alt. $\frac{3}{8}$ poll.
Hab. ad Insulam Muerte.
The external contour of this shell, more especially in the position of the subturbinated apex, much resembles that of Ancylus. The circumference of the cup is free, excepting at one point, where it adheres laterally throughout its length.

Found in sandy mud, on dead shells, at a depth of eleven fathoms. -W. J. B.

Calyptraa serrata. Cal. testd suborbiculari, alba subpurpureo vel fusco interdum fucata vel strigatâ, costis longitudinalibus prominentibus rugosis; limbo serrato; apice subturbinato ; cyatho valdè depresso: diam. $\frac{1}{2}$, lat. $\frac{1}{}^{\frac{5}{2}}$, alt. $\frac{2}{2}^{\frac{3}{2}}$ poll.
Hab. ad Real Llejos et Muerte.
Var. testâ albâ.
Found on dead shells, in a muddy bottom, at the depth of from six to eleven fathoms.-W. J. B.

## Subgenus Syphopatella, Less.?

Laminâ internâ subtrigonâ, subcirculari, latere dextro replicato.
Calyptrata sordida. Cal. testd subconica, sordidè luted, longitudinaliter subradiata; apice turbinato ; cyatho depresso, subtrigono, haud profundo: diam. $\frac{1}{2}$, lat. $\frac{5}{12}$, alt. $\frac{2}{10}$ poll.
Hab. ad Panamam.
This species, the inside and outside of which are of a sordid yellow, is generally covered externally with coral or other marine adhesions. The plate is spoon-shaped.

Found on stones, on a sandy bottom, at depth of twelve fathoms.W. J. B.

Calyptrata Unguis. Cal. testa tenui, conicd, corrugata, fusca;
 poll.
Hab. ad Valparaiso.
The plate is spoon-shaped, but not so shallow as that of Cal. sordida.

Found on shells, at a depth of from seven to forty-five fathoms.W. J. B.

Calyptrea Lichen. Cal. testá albidá, interdum pallidè fusco
sparsa, subdiaphand, subturbinatá, orb̀iculatá, complanatá : diam. $\frac{5}{8}$, alt. ${ }_{8}^{2}$ poll.
Hab. ad Insulam Muerte.
Found on dead shells, in sandy mud, at a depth of eleven fathoms. -W. J. B.

Calyptrata mamllaris. Cal. testa albida, subconicd; apice subpurpureo, mamillare : diam. $\frac{5}{10}$, alt. $\mathrm{T}^{\frac{4}{2}}$ poll.
Hab. ad Insulam Muerte.
This pretty species varies. It is sometimes milk white, with the mamillary apex of a brownish purple, and with the inside sometimes of that colour, sometimes white, and sometimes yellowish. In other individuals the white is mottled with purplish brown stripes and spots.

Found on dead shells, in sandy mud, at a depth of eleven fathoms. -W. J. B.

Calyptrea striata. Cal. testá sordidè alba, suborbiculatá, subconica, subturbinata, striis longitudinalibus elevatis creberrimis corrugata ; intùs fusco-flavescente : diam. $\frac{1}{1} \frac{0}{2}$, alt. $\frac{1}{}_{\frac{3}{0}}$ poll.
Hab. ad Valparaiso.
Found on shells in sandy mud, at a depth of from forty-five to sixty fathoms.

Calyprrea conica. Cal. testá conica, fusca albido maculata, subturbinatd: diam. 14 $\frac{4}{8}$, alt. $\frac{T^{\prime}}{10}$ poll.
Hab. ad Xipixapi et ad Salango.
Found attached to shells in deep water.
Subgenus Crepipatella, Less.
Laminâ rotundatâ, apice laterali et subterminali.
Calyptraa foliacea. Cal. testa suborbiculari, albidd, foliaced; intus castaned vel alba castaneo varid: diam. 1, alt. $\frac{3}{8}$ poll.
Hab. ad Aricam Peruviæ, saxis adhærens.
This Crepipatella, which bears no remote resemblance to the upper valve of some of the Chamee when viewed from above, was found on exposed rocks near the shore.-W. J. B.

Calyptrata dorsata. Cal. testa subalbida, planiuscula, costis longitudinalibus irregularibus rugosa; intùs medio fusco-violaced: diam. $\frac{3}{8}$, lat. $\frac{1}{2}$ poll.
Hab. ad Sanctam Elenam.
The back of this shell is not unlike the upper valve of some of the Terebratula.

Found on dead shells, in sandy mud, at a depth of six fathoms. W. J. B.

Calyptrafa dilatata, Lam., varietas intùs nigro-castanea. Cal. testa sordidè alba castaneo strigatd ; intùs nitidè nigro-castaneá; lamind albd: diam. 1 $\frac{2}{8}$, lat. $1 \frac{1}{8}$, alt. $\frac{1}{2}$ poll.
Hab. ad Valparaiso.
This highly coloured variety was found on exposed rocks at low water. The pure white of the plate shows to great advantage, lying above the rich back ground of the interior of the shell. In some individuals this internal colour is all but black.-W. J. B.

Calyptrea strigata. Cal. testd subcorrugata, sordidè rubrd albo varid; intùs subrufá interdum alba vel albd rubro-castaneo varid : diam. 1 poll.
Hab. ad Valparaiso.
This varies mueh both in colour and shape. Some of the specimens are quite flat, and the lamina almost convex. An obscure subarcuate longitudinal whitish broad streak may be traced on the backs of most of them. It is not impossible that it may be a variety of Cal. dilatata.

Found on Mytili at depths varying from three to six fathoms. W. J. B.

Calyptrea Echinus. Cal. testd albidá violaceo maculata, interdum fuscâ, striis longitudinalibus creberrimis spinis fornicatis horridd; intùs flavente vel albd: diam. $1 \frac{1}{\frac{1}{7}}$, lat. $1 \frac{1}{8}$, alt. $\frac{5}{8}$ poll.
Hab. ad Peruviam. (Lobos Island.)
In old specimens the spines are almost entirely worn down, and rough stric only, for the most part, remain. In this state it bears a great resemblance to the figure given of Crepidula fornicata in Sowerby's Genera of Shells, No. 23, f. 1.

Found under stones at low water.-W.J. B.
Calyptrea Hystrix. Cal. sordidè alla vel fusca, complanata, longitudinuliter striatd, spinis magnis fornicatis apertis seriatim dispositis; intùs albidd, interdum castaneo maculatd: diam. $\mathrm{I}_{\frac{2}{8}}$, lat. $\frac{7}{8}$, alt. $\frac{3}{8}$ poll.
Hab. ad Peruviam. (Lobos Island.)
Approaching the last, but differing in being always more flatiened, in the comparatively great size of the vaulted spines, and in the comparatively wide interval between them; still I would not be positive that they are not all varieties of Crepidula aculeata, Lam.-W. J. B.

Calyptrea pallida. Cal. testa sordidè alba, ovatd; apice prominente: diam. $\frac{7}{8}$, lat. $\frac{5}{8}$, alt. $\frac{3}{8}$ poll.
Hab. ad Insulas Falkland dictas.
Found under stones.-W. J. B.

## Subgenus Crepidula, Less.

Laminâ subrectâ, apice postico et submedio.
Crepidula unguiformis, Lam., varietas complanato-recurva : long. $1 \frac{2}{8}$, lat. $\frac{6}{8}$ poll.
Hab. ad Insulam Chiloen et ad Panamam.
This variety affords a good example of the powers of adaptation of the animal. The shell is either flattened or concave on the back, and recurved in consequence of its adhesion to the inside of dead shelIs of Ranelle Vexillum, celata, \&c.

It was dredged from sandy mud, at a depth ranging from four to ten fathoms.-W. J. B.

Calyptrata Lessonif. Cal. testa complanata, subconcentricè foliaceá, foliis tenuibus, alba fusco longitudinaliter strigatd; intùs albid ; limbo interno interdum fusco ciliato-strigato: long. $1_{\mathrm{T}^{*} \sigma}$, lat. $\frac{1}{1} \frac{1}{2}$ alt. $\frac{2}{8}$ poll.

Hab. in sinu Guayaquil. (Iste of Muerte.)
This beautiful species, which I have named in honour of M. Lesson, was found under stones at low water. It will remind the observer of the upper valves of some of the Chama.-W. J. B.

Calyptraa incurva. Cal. testd fusco nigricante, tortuosd, corru-
 alt. $\frac{3}{8}$ poll.
Hab. ad Sanctam Elenam et ad Xipixapi.
Found on dead shells dredged from sandy mud, at a depth ranging from six to ten fathoms.-W. J. B.

Calyptraa excavata. Cal. testa crassiusculd, subtortuosa, levi, albidd vel subflava fusco punctatá et strigata; intùs alba vel albd fusco fucatá, limbo interdum fusco ciliato-strigato: long. 17, lat. $1 \frac{1}{8}$, alt. $\frac{5}{8}$ poll.

## Hab. ad Real Llejos.

This species is remarkable for the depth of the internal margin before it reaches the septum. In Crepidula adunca, Sow., this depth is even greater than it is in Crep. excavata. The apex is close to the margin, and obliquely turned towards the right side.-W. J. B.

Calyptrea arenata. Cal. testd subovata, albida rubro-fusco creberrimè punctatd; intùs subrubrd vel albidd subrubro maculatd, septo albo: long. $1 \frac{1}{8}$, lat. $\frac{7}{8}$, alt. $7^{\frac{4}{2}}$ poll.
Hab. ad Sanctam Elenam.
This approaches Crep. porcellana. The septum is somewhat distant from the margin, and the apex, which is also somewhat distant from it, is obtuse and obliquely turned towards the right side.

From sandy mud, on shells, at a depth ranging from six to eight fathoms.-W. J. B.

Calyptraa marginalis. Cal. testd subovata, sublavi vel vix corrugatd, subflavd vel albidă fusco strigatd; intùs nigricunte vel flava fusco strigata, septo albo: long. $1_{\frac{1}{6}}$, lat. $\frac{1}{\frac{1}{2}}$, alt. $\frac{4}{1 \frac{1}{2}}$ poll.
Hab. ad Panamam et ad Insulam Muerte.
This species was found on stones and shells, in sandy mud, at a depth ranging from six to ten fathoms. The white septum shows beautifully against the black-brown of the interior. The apex is almost lost in the margin, and is directed towards the right side.W. J. B.

Calyptraa squama. Cal. testá suborbiculati, complanatá, sublevi, subtenui, pallidè flavd vel albidd fusco substrigatd; intùs sulffava vel subflava fusco strigata : long. 1 , lat. $1 \frac{1}{1}$, alt. $\frac{1}{2}_{\frac{2}{0}}$ poll.
Hab. ad Panamam.
The apex of this very flat species is lost in the margin. Found under stones.-W. J. B.

Tetrodon strigosus. Tetr. dorso hispido, nigrescente; ventre lateribusque lavibus, his albo nigroque longitudinaliter lineatis, illo albo: pinna caudali quadrata; pectoralibus latè rotundatis.
D. 12. A. 9. P. 19. C. 8.

Tetr. lineato, Linn., (Tetr. Physa, Geoff., ) analogus videtur. Differt maximè ventre lateribusque haud armatis.

The exhibition was resumed of the new species of Shells collected by Mr. Cuming on the western coast of South America and among the islands of the South Pacific Ocean. Those brought on the present evening under the notice of the Society were accompanied by characters by Mr. G. B. Sowerby. They belonged to the

## Genus Petricola.

Péricola klliptica. Pet.testa ovato-ellipticá, rufescenti-albidd; radiatim costatd, posticè lavi; lamellis concentricis sparsis; lunuld antica distinctá: long. $1 \cdot 2$, lat. $0 \cdot 7$, alt. $0 \cdot 9$ poll.
Hab. ad Paytam.
Found in hard mud at low water.-G. B. S.
Petricola oblonga. Pet. testa oblongo-ellipticd, pallescente; radiatim costellutd; lined dorsali postica rectiusculd; lamellis concentricis pluribus, postice lavigatis: long. 0.9 , lat. 0.5 , alt. 0.7 poll.

Hab. ad oras Peruviæ. (Pacosmayo.)
Found in hard mud at low water.-G. B. S.
Petricola solida. Pet. testa subgloboso-elliptica, pallescente, umbonibus extremitatibusque ambabus fusco-violaceis; radiatim costata, posticè lavigata; lineis incrementi nonnunquam sublamellosis, posticè magis eminentibus: long. $1 \cdot 3$, lat. 0.8 , alt. 1.0 poll.

Hab. ad oras Peruviæ. (Lambeyeque.)
Found in hard clay and stones at low water.-G. B. S.
Petricola discors, Pet. testd oblongo-ellipticd, brunnescente; radiatim costellatd, costellis acutis, posticè lavi; lined dorsali rectd: long. 0.8 , lat. 0.3 , alt. 0.55 poll.
Hab. ad littora Peruviæ. (Lambeyeque.)
Found in hard clay.-G. B. S.
Prtricola concinna. Pet. testa oblonga, pholadiformi, albicante; concentricè costellatd; anticè rotundatd, radiatim sulcatá ; dorso declivi, alterius valva lamelld lavigatd; posticè acuminatiusculd, cotesllis concentricis lamellosis, confertis: long. $0 \cdot 8$, lat. 0.35 , alt. $0 \cdot 35$ poll.
Hab. ad Montem Christi.
Only one perfect pair and a single valve could be preserved.
Found in hard clay at low water.-G. B. S.
Petricola denticulata. Pet. testá oblonga, pholadiformi, extùs pallescente, intùs ad extremitates fusco-nigricante tinctá; anticè subrostratd, posticè rotundatd; lined dorsali rectiuscula,
ventrali subprominuld; omninò radiatim sulcata et concentricè striata, striis anticè sublamellosis denticulatis : long. 1•3, lat. $0 \cdot 6$, alt. 0.6 poll.
Hab. ad Paytam Peruviæ.
Found in hard clay and stones at low water.-G. B. S.
Var. abbreviata. Testá breviore, striis sublamellosis denticulatis nullis: long. $1 \cdot 1$, lat. $0 \cdot 6$, alt. $0 \cdot 6$ poll.
Hab. ad Insulam Plate.
Found in stones at low water.-G. B. S.
Petricola rugosa. Pet. testd oblongd, pholadiformi, albicante; radiatim costellatd, tenuissimè concentricè striata; marginibus plerumque deformibus : long. $1 \cdot 4$, lat. 0.55 , alt. 0.7 poll.
Hab, ad oras Chilenses. (Conception.)
Found in Balani at from three to seven fathoms depth.-G.B. S.
Petricola tenuis. Pet. test d oblongd, pholadiformi, tenui, albicante; radiatim costellata, costellis anticis posticisque fortioribus, omnibus striis exilissimis rugulosis decussatis; latere antico brevissimo: long. 1 , lat. 0.5 , alt. 0.55 poll.
Hab. ad littora Peruviæ. (Lambeyeque \& Pacosmayo.)
Found in hard clay at low water.-G. B. S.
Petricola robusta. Pet. testa rotundato-subtrigond, subgibbosd, solidiuscula, extùs rufescente-fuscá, intùs nigricante; radiatim costatd, costis anticis tenuioribus confertioribus, posticis altioribus; interstitiis omnibus exilissimè decussatim striatis; latere antico rotundato, postico subacuminato; margine dorsali declivi : long. 1.2, lat. $0 \cdot 8$, alt. $0 \cdot 9$ poll.
Hab, ad Panamam et ad Insulam Muerte dictam.
Found in rocks at the depth of from six to eleven fathoms.-G.B.S.
Petricola amygdalina. Pet. testa tenui, subhyalind, flavescente, obovatã, lavi; latere antico brevissimo, angustiore; postico longiore, altiore, lamellis nonnullis elevatis distantibus ornato: long. $1 \cdot 3$, lat. $0 \cdot 5$, alt. 0.8 poll.
Hab. ad Insulas Gallapagos.
Found in Mother-of-Pearl Shells in from three to six fathoms at Lord Hood's Island:-G.B.S.

The following " Description of a new Genus of Gasteropoda, by W.J. Broderip, Esq., Vice President of the Geological and Zoological Societies, F.R.S., \&c." was read.

## Scutella.

Testa Ancyliformis, intùs nitens. Apex posticus, medius, involutus. Impressiones musculares duæ, oblongo-ovatæ, laterales. Apertura magna, ovata.

Animal marinum.
This genus appears to be intermediate between Ancylus and Patella, while the aspect of the back sometimes reminds the observer of Navicella or Crepidula, Lam. Its place will most probably be among the Cyclobranches of Cuvier.

Axis 9, diam. 14 lin.
Hab. in Novâ Hollandiâ, 200 millia passuum ab Ostio Fluvii Macquarrie.

Hblix granifera. Hel. testa conicd, orbiculari, depressiuscula, imperforatd, pallidè brunned, granis minutis albis aspersd ; spird convexa, obtusa; anfractibus vix elevatis, ultimo acutè carinato, anticè convexiusculo; apertura ovato-trigond; labiis incrassatis, reflexis, albis, externo anticè recto, inaqualiter 3-dentato, dentibus duobus internis obliquis approximatis, externo majore distante compresso.
Axis 7, diam. 11 lin.
Hab. vulgaris in Indiâ Occidentali.
Helix pachygastra. Hel. testa orbiculari, depressa, imperforatd, badiá, lavi, tenuiter striata; spird convexiusculd ; anfractibus planis, ultimo ventricoso, rotundato, obsoletissimè in medio carinato; apertura subtrigond; labiis incrassatis callosis, externo anticè intùs dente parvo extus plica majore instructo.
Axis $4 \frac{1}{2}$, diam. 8 lin.
Mr. Gray observed on this character that he calls that a tooth which is solid, and that a plait which is marked externally by a corresponding groove. Thus the Chondri of Cuvier have toothed mouths, and the Pupe and Clausilic plaited.

The exhibition was resumed of the new species of Shells contained in the collection formed by Mr. Cuming, chiefly on the Western Coast of South America and among the islands of the South Pacific Ocean. Those brought on the present occasion under the notice of the Society were accompanied by observations and characters by Mr. G. B. Sowerby, and comprised the following species of the

## Genus Pholas.

"The utmost caution is necessary in the examination and description of the various sorts of Pholades, on account of the extraordinary difference in the form of the same species in different stages of growth. The addition of accessory valves also, as they increase in age, must be carefully observed, in order to guard against too implicit a confidence in their number and form. And though I might be considered guilty of asserting a truism by stating that the difference in size of different individuals of the same species may and sometimes does mislead the tyro in the science of Malacology ; lest such differeuce should mislead the adept also, let him too proceed cautiously, and when he finds a fully grown shell of half an inch in length agreeing perfectly in proportions and characters with another of two inches long, let him not conclude that it is a distinct species, but if he can find no other difference except that which exists in their dimensions, let him consider the one a giant, the other a dwarf. Let it be remembered that among the Cyprea it is not un-
common to observe young shells of three inches in length, and fully grown ones of the same sort only one inch in length; likewise, of the well-known British Pholades there are individuals quite in a young state of two inches in length, and perfectly formed shells of the same species not more than half an inch long. For an instance in demonstration I need only refer to the Phol. papyraceus, so abundant at Torquay, of which the young shells have been considered by many as a distinct species and have been named by Dr. Turton Phol. lamellosus. This varies in size exceedingly, so that it may be obtained both in an incomplete and young state and in a fully grown condition from half an inch to nearly two inches in length. The circumstance of its having rarely occurred in an intermediate state of growth, when the anterior opening is only partly closed and the accessory valves only partly formed, led Dr. Turton and others to persist in regarding the young and old as two distinct species. Other similar instances will be shown in the course of the present concise account of some hitherto undescribed species of the same genus brought to England by Mr. Cuming."-G. B. S.

Pholas cruciger. Phol. testâ oblongâ, scabrá, marginibus anticá ventrali apertá, anticâ dorsali reflexá; valvâ accessoriá solitariâ, postica, transversâ: long. 1.7 , lat. 0.65 , alt. 0.7 poll.
Hab. ad oras Columbiæ Occidentalis et Americæ Centralis.
In this species the anterior ventral opening is somewhat more closed in some specimens than in others. It appears to form only one accessory valve, which crosses the valves behind the umbones: the dorsal margins are closed by epidermis.

Found in three localities; namely, in soft sandstone at half-tide on the shores of the island of Puna in the Gulf of Guayaquil; in soft stone at low water in the Bay of Caraccas; both in West Columbia; and in hard clay at a depth of thirteen fathoms in the Gulf of Nocoiyo in Central America.-G.B.S.

Pholas Chiloensis, var. parva. Phol. Chiloensis, testá parvá, tenuiore: long. $1 \cdot 6$, lat. $0 \cdot 6$, alt. 0.6 poll.

Found in soft stone at a depth of seventeen fathoms at the island of Plata, West Columbia.-G. B. S.

Pholas subtruncata. Phol. testa ovatooblonga, scabra, posticè rotundato-subtruncatd,levi; margine antica ventrali hiatu maximo; valvd accessorid solitariá, anticá, lanceolatd, anticè acuminatd : long. $1 \cdot 9$, lat. $0 \cdot 9$, alt. $0 \cdot 8$ poll.
Hab. ad Insulam Platæ, Columbix Occidentalis.
Found in soft stone at a depth of seventeen fathoms. Very like our British Pholas parva.-G. B. S.

Pholas calva, Gray, MSS. Phol. testa ovatá, anticè retusd, posticè subacuminata, hiante; valvis singulis in areas tres divisis; areis, anticd scabriusculd; intermedid epidermide corned lon-
gitudinaliter striatd indutá; posticd squamis corneis, posticè rotundatis, imbricatis, levibus, gradatim minoribus, ornata; parte antica ventrali clausa lavigata; valvá accessoriá anticd dorsali maxima, levi, quinquelobata; marginibus dorsali ventralique posticis epidermide corneo-testaced obtectis : long. 2', lat. 1., alt. $1 \cdot 1$ poll.
Hab. ad Sinum Panamæ.
Obs. Testæ junioris parte anticâ ventrali apertâ, hiatu maximo ; valvâ accessoriâ nullâ, marginibus dorsali ventralique posticis haud obtectis: long. $1 \cdot 5$, lat. $0 \cdot 7$, alt. 0.7 poll.

This is another remarkable instance of extreme dissimilarity between the young and fully grown shells; the large anterior ventral opening, so conspicuous in the young shell, being completely closed up in the fully grown individual; the enormous accessory valve covering the umbones and spreading widely over the anterior dorsal parts of the shell is also a remarkable addition formed at its full growth.

Found in Spondyli, at a depth of twelve fathoms, at the Isle of Perico in the Bay of Panama: the young shells have also been taken out of hard stones at low water in the same place.-G. B. S.

Pholas calva, var. nana. Phol. calua, testd nana: long. 0.5 , lat. 0.25 , alt. 0.25 poll.
Hab. ad Panamam.
Found in hard stones at low water.-G. B. S.
Pholas acuminata. Phol. testá ovata, anticè rotundata, posticè acuminatd, hiatu minimo; valvis singulis in areas tres divisis; areis, anticd scabriusculd; intermedid epidermide corned longitudinaliter striata indutâ; postica squamis corneis, posticè acuminatis, imbricatis, lavibus, gradatim minoribus, ornata; parte anticá ventrali clausa, levigatd; valva accessoriá anticâ dorsali magna, subtetragona, anticè unilobatd; marginibus ventrali dorsalique epidermide corneo-testaced obtectis, tegmine dorsali anticè inflato: long. 2', lat. 0.9 , alt. 0.9 poll.
Hab. ad Panamam.
Found in limestone at low water. The same sort of difference is observable between the young and fully grown shells in this species as in Phol. calva.

One specimen of this shell in Mr. Cuming's collection merits particular notice. It demonstrates a fact of considerable importance to geologists. It is in argillaceous limestone, very much resembling lias, and in forming the cavity in which it resides, it has, by such chemical process as frequently takes place, absorbed a much greater quantity of the rock than could be retained or converted; this is again deposited at the upper part of the cavity; and thus the rock is recomposed.-G. B. S.

Pholas melanura. Phol. testd ovata, anticè rotundatá, posticè obtusá, hiatu mediocri; valvis fascia impressá transversim sul-
catd dimidiatis; areis, anticä obliquè divisa, parte postica dorsali radiatim corrugatd, parte anticd ventrali tenuiore, inflatd; postica longitudinaliter striatd, posticè epidermide nigrd indutd : margine dorsali antica inflato-reflexa; valvis accessoriis duabus, posticis, subtrigonis, supernè fornicatis: long. $1 \cdot 4$, lat. $0 \cdot 75$, alt. 0.8 poll.
Hab. ad Montem Christi, Columbir Occidentalis.
Found in hard clay at low water.-G. B. S.
Pholas tubifera. Phol. testa oblonga, posticè subattenuatd, subtruncatd, anticè rotundatd; valvis fascid transversim sulcatd dimidiatis ; areis, anticd obliquè divisa, parte posticd dorsali radiatim sulcatd, decussatd, parte antica ventrali tenuiore, subinflatd; postica longitudinaliter striatd; margine dorsali antica reflexo-inflata; valvis accessoriis dorsalibus duabus, posticis, subovatis; epidermide posticè in duas valvas planulatas decurrente, deinde tubulum calcareum ad extremam partem conspicuum : long. $1 \cdot 3$, lat. $0 \cdot 5$, alt. 0.45 poll.
Hab. ad Sinum Caraccensem, Columbir Occidentalis.
Obs. Testa intermediæ ætatis tubulum caret.
Found in decayed wood dredged up at ten fathoms' depth.
A marked resemblance may be easily traced between this and the Pholas papyracea of Southern Devonshire.

Pholas Quadra. Phol. testa oblonga, tenuissima, anticè inflata, rotundata, posticè subattenuatd, subtruncata; valvis fascid transversim sulcata dimidiatis ; areis, anticd obliquè divisa, parte postica dorsali concentricè lamellosd, lamellis squamuliferis, parte anticâ ventrali tenuiore, inflatd, radiatim obsoletè costellatd; posticá longitudinaliter sulcata; margine dorsali anticd concavoreflexa, musculum recipiente, epidermide obtecta; epidermide posticè in vesiculas quatuor, undique duas, decurrente; deinde tubulum calcareum ad extremam partem conspicuum : long. 1-, lat. 0.3 , alt. 0.3 poll.

Hab. ad Montem Christi, Columbiæ Occidentalis.
Found in stones at low water.-G. B. S.
Pholas Quadra, var. Phol. Quadra, testa parva, margine dorsali anticd inflato-reflexá.
Hab. ad Montem Christi.
This variety differs only in the circumstance of the epidermis which covered the muscle contained in the concave reflected anterior dorsal margin being changed into calcareous matter. The young shells are without any tube or other accessory parts. G. B. S.

Pholas curta. Phol. testa ovali, posticè acuminata, anticè rotundatd; valvis fascid transversim sulcatd dimidiatis; areis, anticá obliquè divisa, parte postica dorsali longitudinaliter striata et radiatim corrugata, parte anticá ventrali tenuiore, subinflata;
posticd concentricè striata; valvá accessoriá solitarid, dorsali, anticâ, utraque extremitate subacuminata, medio coarctatd ; marginibus ventrali dorsalique epidermide corneo-testacea obtectis, parte dorsali posticè furcata: long. $0 \cdot 6$, lat. $0 \cdot 3$, alt. $0 \cdot 35$ poll.
Hab. ad littora Columbiæ Occidentalis.
From the Isle of Lions, Province of Veragua, in soft stone at low water.-G. B. S.

Pholas cornea. Phol. testa oblongd, tenui, anticè rotundata, posticè obtusa ; epidermide tenui corned indutá ; valvis fascia dimidiatis; ared antica obliquè divisa, parte postica dorsali rugosiusculd, parte antica lavi; areá postica majore, levigata; valvis accessoriis tribus, anticá dorsali rotundatá, postice subemarginatd, anticè subacuminatd ; hiatu postico magno: long. 0.9, lat. 0.5 , alt. 0.5 poll.

Hab. ad littora Columbiæ Occidentalis.
Found in the trunk of a tree at low water at Chiriqui in the province of Veragua.-G. B. S.

The whole of the Toucans of the Society's collection were exhibited in illustration of an account given by Mr. Gould, at the request of the Chairman, of the species of Ramphastos, Ill., and Pteroglossus, Ej., constituting the family Ramphastida. Mr. Gould's attention having been of late particularly directed to this family in the preparation of a Monograph of it, illustrated hy coloured figures of all the birds comprised in it, he was enabled to state the existence of the under-mentioned species of the

## Fam. Ramphastide, Vig.

Rostrum magnum, ad basin nudum ; tomiis serratis.
Lingua pectinata.
Pedes scansorii.
Genus Ramphastos, Ill.
Ramphastos (pars), Linn.
Rostrum maximum.
Nares frontales, prope basin maxillæ sitæ.
Cauda æqualis.
Nigri,torque pectorali tectricibusque caude inferioribus coccineis, pedibus caruleis. Rostrum, guttur, tectrices caude superiores, orbitceque nuda discolores.

* Cauda tectricibus superioribus flavis.

Ramphastos erythrorhynchus, Gmel. Ramph. rostro rubro, culmine fasciaque basali flavis, hac posticè lined anticè fascia tomiisque nigris.
Long. tot. 23 poll. ; rostri, 6눈 ; ale, $8 \frac{1}{2}$; cauda, 6 $\frac{1}{2}$; tarsi, 2.
the jaws from the gape. Horns, hoofs, and muzzle black. Iris dark hazel. Eye mean.

Female: as large as the male and like him in all material respects.
Young: paler and mixed with grey.
Inhabits the precipitous and wooded mountains of the centraI region of Nepâl, up and down which it rushes with fearful rapidity, though it does not spring or leap well; nor is it speedy.

The exhibition was resumed of the new species of Shells contained in the collection formed by Mr. Cuming on the Western Coast of South America, and among the Islands of the South Pacific Ocean. Those exhibited on the present evening consisted of various species of Anatinida and of the Myidous genus Saxicava: they were accompanied by characters by Mr. G. B. Sowerby.

## Genus Periploma, Schum.

Periploma lenticularis. Per. testa elliptica, lenticulari, aquivalvi, alba, impolitd, tenui; epidermide tenuissima; margine dorsali antica sinuata, cum margine anticd angulum supernè efformante : long. 0.7 , lat. 0.3 , alt. 0.55 poll.
Hab. ad Insulam Muerte dictam.
The inside of this species shines with a silvery lustre, but is not iridescent.

It was found in sandy mud at a depth of eleven fathoms.-G. B. S.
Periploma planiuscula. Per. testá oblonga, planiusculá, incequivalvi, albicante, impolitd, tenuiusculd; latere antico brevi, subrugoso; marginibus, anticd subdeclivi subtruncata, dorsali rectiusculá; epidermide tenui, pallescente: long. 2•4, lat. $0 \cdot 8$, alt. 1.8 poll.
Hab. ad Sanctam Elenam.
Odd valves alone were found on the sands.
This species bears some resemblance to Professor Schumacher's Per. incquivalvis; it differs, however, in shape from that species, and both the valves are deeper.-G. B. S.

Genus Anatina.
Anatina prismatica. An. testa oblonga, subtrapeziformi, crassiusculd, opaca, lamind internd prismatica; latere antico truncato, hiutu maximo ; lamelld utriusque valve internd subumbonali, ex tuberculo ligamentifero decurrente, ramoque ligamenti cornei ferè parallelo, anticè inclinato: long. $2 \cdot 7$, lat. $1 \cdot 3$, alt. $1 \cdot 8$ poll.
Hab. ad littora Oceani Polaris Meridionalis. (New South Shetland.)

Driven on shore after a gale.-G. B. S.
Anatina costata. An. testa oblonga, alba, postice rostrata, anticè rotundatd; costis octo radiantibus, anticis gradatim mino-
ribus; rostro lavi; margine ventrali crenata; long. $0 \cdot 3$, lat. $0 \cdot 15$, alt. $0 \cdot 2$ poll.
Hab. ad Sanctam Elenam.
A single specimen was found in sandy mud at a depth of six fathoms.

In form it resembles An. longirostrata.-G. B. S.

## Genus Lyonsia.

Lyoneia picta. Ly. testa obovatd, tenui, posticè latiore; epidermide fusca, lineis nigris undulatis pictd; marginibus, antica dorsali declivi, postica dorsali rectiusculd; antica ventrali hiante, hiatu parvo, posticá et postica ventrali rotundatis: long. 0.85 , lat. $0 \cdot 4$, alt. $0 \cdot 65$ poll.
Hab. ad Insulam Muerte dictam.
Found attached to particles of sand in eleven fathoms' water.
As it increases in size it becomes rather irregular in its form.G. B. S.

Lyonsia brevifrons. Ly. testa oblongá, pallescente; epidermide obscurd, corned ; latere antico brevi, acuminato, postico longiore, attenuato ; marginibus, dorsali posticd elongatd rectiusculd, dorsali antica brevi declivi, antica ventrali hiante, hiatu declivi, elongato, magno: long. $0 \cdot 8$, lat. $0 \cdot 3$, alt. $0 \cdot 4$ poll.
Hab. ad Sanctam Elenam.
Found in sandy mud at from six to eight fathoms' depth, attached to particles of sand.-G. B. S.

## Genus Saxicava.

Saxicava tenuis. Sax. test d oblonga, tenui, albd; epidermide pallescente; latere antico brevi, subtruncato: long. $0 \cdot 8$, lat. $0 \cdot 25$, alt. 0.4 poll.

Hab. ad Pacosmayo et ad Lambeyeque.
Found in coral rock at twenty-five fathoms' depth.-G. B. S.
Saxicava purpurascens. Sax. testd oblonga, solidiusculd, tntice brevissima, posticè truncatd ; epidermide tenuissima, posticè purpurascente: long. $1 \cdot 1$, lat. $0 \cdot 4$, alt. 0.4 poll.
Hab. ad Insulam Muerte dictam.
A single specimen was found in sandy mud at a depth of eleven fathoms.-G. B. S.

Saxicava solida. Sax. testd oblongd, solidd, rugosd, subirregulari, albicante; epidermide corned ; latere antico brevissimo, postico elongato truncato, costis divergentibus duabus conspicuis: long. $1 \cdot 4$, lat. $0 \cdot 6$, alt. $0 \cdot 8$ poll.
Hab. ad Sanctam Elenam.
Found in clefts of rock brought up from a depth of eighteen fathoms.

The specimens from which the above characters have been taken appear to give the most perfectly regular form of the species. There are other varieties from Payta and the Isle of Muerte.-G. B. S.

A collection of land and fresh-water Shells, formed in the Gangetic Provinces of India by W. H. Benson, Esq., of the Bengal Civil Service, and presented by that gentleman to the Society, was exhibited. It comprised forty species, and was accompanied by a descriptive list prepared by the donor, and also by detailed notices of some of the more interesting among them. These notices were read: they are intended by Mr. Benson for publication in the forthcoming No. of the 'Zoological Journal.'

From the time that he first became acquainted with the animal of a Shell resembling in all respects, except in its superior size, the European Helix lucida, Drap., Mr. Benson regarded it as the type of a new genus of Helicida intermediate between Stenopus, Guild., and Helicolimax, Fér. He had prepared a paper on this genus, for which he intended to propose the name of Tanychlamys; he finds, however, that Mr. Gray has recently described (page 58) the same genus under the name of Nanina. The generic characters observed by Mr. Benson are as follows:

## Nanina, Gray.

Testa heliciformis, umbilicata; peritremate acuto, non reflexo.
Animal cito repens. Corpus reticulosum, elongatum. Pallium amplum, foramine communi magno perforatum, peritrema amplexans; processubus duobus transversè rugosis (quasi articulatis) omni latere mobilibus instructum, unico prope testæ aperturæ angulum superiorem exoriente, altero apud peripheriam testæ. Os anticum inter tentacula inferiora hians; labia radiato-plicata. Tentacula saperiora elongata, punctum percipiens tumore oblongo situm gerentia. Penis prægrandis; antrum cervicis elongatum latere dextro et prope tentacula situm. Solea complanata pedis latera æquans. Cauda tentaculata; tentaculum subretractile, glandulâ ad basin positâ humorem viscidum (animale attrectato) exsudante.

Mr. Benson describes particularly the habits of the species observed by him, which he first discovered living at Banda in Bundelkund on the prone surface of a rock. The animal carries the shell horizontally or nearly so; is quick in its motions; and, like Helicolimax, it crawls the faster when disturbed, instead of retracting its tentacula like the Snails in general. In damp weather it is rarely retracted within its shell, the foot being so much swelled by the absorption of moisture that if it is suddenly thrown into boiling water the attempt to withdraw into the shell invariably causes a fracture of the aperture. In dry weather the foot is retracted, and the aperture is then covered by a whitish false operculum similar to that of other Helicida. The two elongated processes of the mantle are con-
youth of the specimen. It has a group of six recurved spines just behind the apex, and a series of small spines on the ridge which runs on each side from the apex to the anterior angle of the eye. There is also a small blunt spine on each side of the middle of the frontal region; and two others are placed on the bones over the hinder part of the gill-flap. The latter form the commencement of a series of carinated shields. The small scales are rough ; and the shields forming the lateral lines are radiately grooved, and furnished with a sharp continued keel, terminating posteriorly in a spine. The larger plates on the hinder part of the body are smooth, with a few longitudinal ridges, and emarginate at the apex. There are 17 plates on the dorsal ridge, of which the third is the smallest; 47 or 49 in the upper lateral series, among which the anterior are much the smallest, their length increasing gradually as they approach the tail, and this increase being more marked after passing the ventral, and again after passing the anal, fins; and 15 or 16 in the lower lateral series.

The exhibition was resumed of the Shells collected by Mr. Cuming on the Western Coast of South America, and among the Islands of the South Pacific Ocean. Those exhibited at the Meeting were accompanied by characters by Mr. G. B. Sowerby, and comprehended the following apparently undescribed species of the

## Genus Fissurella.

Fissurella maxima. Fiss, testd ovato-oblongd, depressiuscula, crassd ; intùs albd, margine lato, undulato, pallescente fusco articulato; extùs radiatim sulcatd, rugosd, albido-cinerascente fusco radiatd ; aperturd dorsali ovatd : long. 5, lat. 3.4 poll.
Hab. ad Valparaiso.
In the young shells the internal margin is proportionally broader than in those which are more fully grown : in some specimens this margin shows a very great development of crystalline structure.

Found on exposed rocks and under stones at low water.-G.B.S.
Fissurella grandis. Fiss. testd ovato-oblonga, elevatiusculd, posticè latiore, crassa; intùs alba, margine latiusculo, subundulato, cinerascente ; extùs lavigatd, purpureo-nigra, radiis numerosissimis saturatioribus; apertura dorsali majusculd, oblongd, extùs latiore, anticè subdeclivi: long. 4, lat. $2 \cdot 6$ poll.
Hab. ad Valparaiso et ad Insulam Chiloe sub lapidibus littorali-bus.-G. B. S.
Fissurella limbata. Fiss. testd ovato-oblongd, depressiuscula, posticè latiore, crassiuscula; intùs alba, margine latiusculo, subundato, pallescente, lined internd purpureo-nigra; extùs lavigatd, rosaceo-fuscescente, radiis rufescentibus ; aperturd dorsali elongata, medianè subcoarctata : long. 3, lat. 1•9 poll.
Hab. ad Valparaiso.
In young shells the internal line of the margin is broader and more deeply coloured than in the more fully developed specimens. Nearly all the fully grown shells are so deeply eroded as to have lost almost
all traces of coloured rays. The younger shells, which retain the coloured rays, are found in exposed situations at low water.

A representation of the inside of this shell has been given in my - Genera of Recent and Fossil Shells', under the name of Fiss. picta, Lam., from which it is nevertheless very distinct.

Found on exposed rocks.-G. B. S.
Fissurella biradiata (Frembly MSS.). Fiss. testd ovata, anticè subacuminatd, elevatiusculd, crassiusculd; intùs alba, margine latiusculo, purpurascenti-fusco; extùs radiatim striatd, pur-purascenti-fusca, plerumque radiis duobus (utroque latere unico) pallescentibus; apertura dorsali oblongd: long. 3•8, lat. $2 \cdot 7$ poll.
Hab. ad Valparaiso sub lapidibus littoralibus.
In this, as well as in several others, the margin varies somewhat in width; it is, however, generally broader in the young shells. The fully grown specimens sometimes lose the two light-coloured rays.

Found also at Iquiqui in Peru.-G. B. S.
Fissurella lata. Fiss. testd ovali, elevatiusculd, crassiusculd; intùs alba, margine latiusculo, pallescente, rosaceo-maculato; extùs cinerascente, radiatim costellatd, costellis subtuberculatis, radiis coloratis purpureo-rufis; aperturd dorsali ovato-oblongd: long. $3 \cdot 3$, lat. $2 \cdot 5$ poll.
Hab. ad Insulam S. Marix, Chilensis.
This species approaches, in form and colouring, very nearly to Fiss. picta, Lam.

Found in exposed places.-G. B. S.
Fissurella pulchra. Fiss. testd ovato-oblongd, depressa, anticè angustiore, crassiusculd; intùs alba, margine latiusculo, subundulato, purpurascenti-fusco; extùs purpureo-cinerascente, radiis rufo-purpureis maculisque albis et violaceis concinnè picta; apertura dorsali centrali, posticè inclinatd : long. $2 \cdot 5$, lat. $1 \cdot 6$ poll.
Hab. ad Valparaiso.
Obs. Testa junior radiatim subcostellata.
Variat testâ totâ extùs purpurascenti-fuscâ, unicolore.
Found on the rocks.-G. B. S.
Fissurella oriens. Fiss testd ovato-oblonga, depressd, crassiusculd; intùs albd, margine angustiore, plerumque pallescente ; extùs pallidd fusco nigro vel roseo radiatd; aperturd dorsali oblongd, medianè latiore: long. $2 \cdot 7$, lat. $1 \cdot 6$ poll.
Hab. ad Insulam Chiloe sub lapidibus littoralibus.
Variat testâ extùs obsoletè pictâ, margine interno paullò latiore. Hab. ad Valparaiso, rupibus adhærens.-G. B. S.
Fissurella Chilensis. Fiss testa elliptica, depressa, radiatim costellatd, costellis rugosis; intùs alba, margine lato, pallescente, nonnunquam fusco maculato; extìs cinerascente, radiis fuscis pallidis plerumque pictd; apertura dorsali oblonga, subcentrali: long. $2 \cdot 4$, lat. $1 \cdot 8$ poll.
Hab. ad Valparaiso.
Found on rocks in exposed situations at low water.-G. B. S.

Fissurella obscura. Fiss testd ovato-oblongd, radiatim costatd, costellis obtusis, latiusculis; intùs virescente, margine undulato, crenulato, pallidiore ; extùs coloribus variis radiatim picta, punctis nigris nonnullis prope aperturam dorsalem radiantibus; apertura dorsali subelongatd, medianè latiore, rimd interna rufo marginatd : long. 1•1, lat. $0 \cdot 7$ poll.
Hab. ad Insulas Gallapagos sub lapidibus littoralibus.-G. B. S.
Fissurella virescens. Fiss. testd ovatd, elevatiusculd, radiatim costatd et striatd; intùs virescente, margine pallidiore, undulato et crenulato ; extùs pallidè virescente fusco-virescente obscurè radiata, margine costellis crenato; aperturá dorsali oblongd, extùs utrinque coarctatd : long. $1 \cdot 8$, lat. $1 \cdot 4$ poll.
Hab. ad Panamam.
Found in exposed situations at low water.-G. B. S.
Fissurella nigropunctata. Fiss, testd ovatá, elevatiuscula, anticè angustiore, costellato-radiata ; intùs virescente, margine pallidiore, crenulato, nigro punctato; extùs pallidè virescente, punctulis elongatis nigris confertim digestis radiatd; aperturá dorsali oblongá, lateribus extùs subconnatis : long. $1 \cdot 6$, lat. $1 \cdot 1$ poll.
Hab. ad Insulas Gallapagos.
Variat testâ intùs albâ ; rimâ aperturæ dorsalis nigro marginatâ. Hab. ad Insulam Lobos sub lapidibus littoralibus.-G. B. S.
Fissurella macrotrema. Fiss. testa ovato-oblonga, elevatiusculd, anticè angustiore, radiatim striatd; intùs virescente, margine nigro variegato; extùs plerumque virescente rufo fusco vel nigrescente radiatd; apertura dorsali elongatd, lateribus extùs coarctatis, utrinque unidentatis: long. $1 \cdot 4$, lat. 0.9 poll.
$H a b$. ad Insulas Gallapagos.
Variat testâ extùs purpurascenti-nigrâ.
Hab. ad Insulas Gallapagos.
Variat etiam testâ extùs virescente, radiis rufescentibus obscuris. $H a b$. ad Lambeyeque.
Variat iterum testấ extùs rosaceo-virescente, radiis rufis; aperturæ dorsalis margine interno roseo. Hab. ad Insulam Lobos sub lapidibus littoralibus.-G. B. S.
Fissurella apfinis, Gray. Fiss. testd ovato-oblongd, elevatiusculd, anticè angustiore, radiatim plùs minùsve muricatim striata, nonnunquam ferè lavigato-striatd, plerumque purpurascenti-nigra; intils albd, margine angusto, nigricante; apertura dorsali parva, ovali: long. 1•7, lat. $1 \cdot 2$ poll.
Hab. ad Insulas Mexillones et Lobos, et ad Iquiqui.
Variat testâ rufescenti-nigrâ.
Hab. ad Valparaiso.
Obs. Testæ juniores pallidæ, radiatim pictæ.-G. B. S.
Fissurella microtrema. Fiss. testd ovatá, depressiusculd, radiatim scabroso-striatd; intùs virescente, margine angustissimo, nigricante ; extùs fusca, obscurè subradiatim coloribus variis pictd ${ }_{\text {; }}$;
apertura dorsali minima, margine limbi interni nigricante : long. $0 \cdot 9$, lat. 0.6 poll.
Hab. ad Real Llejos, Americæ Centralis.
The dorsal perforation in this species is so small, and the coloration so dark, that it is difficult at first sight to perceive that it is really a Fissurella.

Found under stones.-G. B. S.
Fissurella inequalis. Fiss testa oblonga, tenui, subdepressa, latere antico brevi, postico longo; intùs albicante, margine albo nigroque vario, crenulato; extùs radiatim striata, concinnè decus.. satd, olivaced albicante subradiatim variegatd; aperturd dorsali antica, oblong $a$, utrinque bidentatá: long. $1 \cdot 1$, lat. $0 \cdot 6$ poll.
Hab. ad Guacomayo et ad Insulas Gallapagos sub lapidibus litto-ralibus.-G. B. S.
Fissurella Pica. Fiss. testd oblongd, tenui, subdepressd, latere antico brevi, postico longo; intùs albicante, margine crenulato; extùs radiatim striatd, concinnè decussatd, alba olivaceo variegatd; apertura dorsali antica, elliptica, ferè circulari, parvd: long. 1•, lat. 0.57 poll.
Hab. ad Sanctam Elenam et ad Insulas Gallapagos.
Variat testâ albicante, radiatim olivaceo fasciatâ.
Found on dead shells in from six to eight fathoms water.G. B. S.

Fissurella Chemnitzif. Fiss. testa ovato-oblonga, depressiusculd, crassiuscula, lateribus subcompressis, extremitatibus levatis; intùs albd, impressione musculari prope marginem conspicud; extùs radiatim subsulcatd, subdecussata, pallescente roseo subradiatá; aperturd dorsali magna, ovali, rimá internd latd : long. $2 \cdot 2$, lat. 1.4 poll.

Hab.?
The only specimen I have ever seen of this species was in the Tankerville Collection, from which, after several vicissitudes, it has at length found its way to Mr. Cuming's.

This remarkable shell is represented by Martini (I. t. xi. f. 100), whose figure is cited by Lamarck as a representation of Fiss. Graca. -G.B.S.

Fissurella latimarginata. Fiss. test ovato-oblonga, depressa, crassiusculd, anticè angustiore; intùs alba, margine lato rufes-centi-nigro, crenulato; extùs radiatim creberrimè striatá, rufes-centi-nigrd; aperturd dorsali oblonga: long. $2 \cdot 8$, lat. $1 \cdot 8$ poll.
Hab. ad Valparaiso et ad Iquiqui.
Found on the rocks.-G. B. S.
Fissurella trapezina. Fiss. testa subtrapeziformi, rotundatoangulata, anticè angustiore, depress $d$, extremitatibus levatis ; intùs albd, impressione musculari prope marginem remotd, margine incrassato; extùs concentricè subsulcatd, pallidd fusco radiatá; apertura dorsali magnd, latd, anticè latiore: long. $0 \cdot 95$, lat. $0 \cdot 8$ poll.

## Hab. ad Caput Bonæ Spei.

This exceedingly rare species has existed in our collections for many years.-G. B. S.

Fissurella equalis. Fiss. testd oblonga, depressa, extremitatibus ferè equalibus; intùs alba, margine incrassato, impressione musculari prope marginem remotd; extùs lavi, albicante fusco radiatd, vel fuscd albicante radiatd; aperturd dorsali magnd, oblong $a$, latd : long. 0.85 , lat. 0.5 poll.
Hab. ad Sanctam Elenam.
Found on dead shells in from six to ten fathoms.-G. B. S.
Fissurella fulvescens. Fiss testd oblongd, depressd, fulvescente, extremitate anticd anyustiore; intùs lacted, margine subincrassato, subreflexo; extùs levigatd, radiatim substriatd et rufo pictd ; aperturd oblongd, lateribus obsoletè bidentatis: long. 1•6, lat. 0.9 poll.
Hab. ad Valparaiso sub lapidibus littoralibus.-G. B. S.
S2Fissurrlla nigrita. Fiss. testd ovali, depressd, lateribus subcompressis, extremitatibus levatis; intùs albd, marginibus postico lateralibusque incrassatis; extùs nigrá, radiatim striatd; aperturd dorsali magnd, ovali, margine lavi, albo: long 1•, lat. $0 \cdot 6$ poll.
Hab.?-G. B. S.
Fissurella aspera. Fiss. testd ovali, altiusculâ, asperd, posticè longiore; intùs cinerascente, margine albo, crenulato, extùs costellis numerosis radiantibus decussatim muricatis; apertura dorsali circulari ante verticem elevatam posita: long. $1 \cdot$, lat. 0.8 poll.
Hab. ad Pacosmayo.-G. B. S.
Fissurella asperella. Fiss testá ovali, depressiusculd, asperelld; intùs virescente, margine crenulato; extùs cinerascente, striis numerosis radiantibus, radiisque coloratis rufo-cinerascentibus; apertura dorsali oblongd, dente utrinque extùs elevato: long. $0 \cdot 85$, lat. 0.5 poll.

Hab. ad Insulam Lobos sub lapidibus littoralibus.-G.B.S.
Fissurella mutabilis. Fiss testá ovato-oblonga, coloribus variis plerumque subradiatim picta, altiusculd, posticè longiore; intùs albá, margine lavi; extùs radiatim striatd; apertura dorsali ovato-elongatd, medio plerumque latiore: long. 1', lat. 0.55 poll.
Hab. ad Caput Bonæ Spei.
Many specimens of this species were among the late Mr. G. Humphreys' collections, labelled by him "Brazil? Thalacker."-G.B.S.

Fissurella Panamensis. Fiss. testd ellipticd, elevata, decussatd, posticè longiore; intùs lactescente, margine crenulato; extùs costellis radiantibus decussatis, plerumque muricatis, albicante cine-rascenti-fusco variè picta; apertura dorsali minima, subovali: long. $0 \cdot 6$, lat. $0 \cdot 4$ poll.

Hab. ad Panamam.
Found on dead shells in from six to ten fathoms.-G. B. S.
Fissurella Ruppellit. Fiss. testá oblongo-ovata, elevatd, decussatd, lateraliter subdepressa, posticè longiore; intùs alba, margine crenulato ; extùs albicante, radiis plerumque nigris, nonnunquam viridescenti-nigris, concinnè pictd, costis costellisque alternantibus submuricatis radiantibus ornatd; aperturd dorsali parvd, ovatd, posticè subquadratá, anticè infra verticem posita, intùs posticè depressione distinetd : long. $0 \cdot 9$, lat. $0 \cdot 6$ poll.
Hab. ad Insulam Nevis, Capt. Powers : in Sinu Arabico, Rüppell.
A specimen of this pretty species waslately obtained by Mr. Cuming from M. Rüppell. About twenty were in the collections of the late Mr. G. Humphreys.-G. B. S.

Fissurella Clypeus. Fiss testa ovatd, depressd, crassiusculd, pallescente fuscescenti-nigro radiatd; intùs albd, margine subcrenato, pallescente nigro articulato; extùs radiatim subcorrugata; apertura dorsali oblonga: long. $1 \cdot 15$, lat. $0 \cdot 75$ poll.
Hab. ad Sanctam Elenam.
A single specimen is in Mr. Cuming's Collection.-G. B. S.
Fissurella crenifera. Fiss testa ovato-oblonga, subdepressd, posticè latiore, subquadratd;; intùs albd, margine incrassato, crenato et crenulato ; extùs radiatim costatâ et striatâ, radiatim variè pictd, costis muricatis; aperturd dorsali oblongd, medianè subcoarctatd, extùs dente duplicato laterali munitd : long. 0.6, lat.0.3 poll.
Hab. ad Real Llejos sub lapidibus littoralibus.-G. B. S.
A Letter was read, addressed by Capt. P. P. King, R.N., Corr. Memb. Z.S., to W. J. Broderip, Esq., and dated New South Wales, April 13, 1834. It gave some account of the Oceanic Birds observed during the late voyage of the writer from Europe to New South Wales, and more particularly of those of the genus Diomedea, Linn.
" From the meridian of the island of Tristan d'Acunha to that of the island of St. Paul's, on about the parallel of $40^{\circ}$ of south latitude, we were daily surrounded by a multitude of oceanic birds.-Of the Petrel tribe the Cape Pigeon, Procellaria Capensis, Linn., was most abundant: but the Proc. vittata (vel carulea) frequently was observed; as was also a small black Petrel which I do not recollect to have before seen.
" Of the genus Diomedea the species which I regarded as the spadicea, chlororhynchos and fuliginosa of Authors, were the most remarkable. Near Tristan d'Acunha the first (Diom. spadicea) most abounded: between the Cape and the longitude of $30^{\circ}$ East the second (Diom. chlororhynchos) became more numerous: and in the neighbourhood of St. Paul's their place was supplied by the Diom. fuliginosa. Where one species abounded, the others were only occasionally seen; from which it may be inferred that each species breeds in distinct haunts. Occasionally two or three varieties of the Diom.

Col. Sykes, when reading to the Society, in 1832, his Catalogue of the Birds of Dukhun, not having exhibited the nest and eggs of the Lonchura Cheet, and of that species of Tailor-bird which he denominated Orthotomus Bennettii, brought them under the notice of the Society on the present occasion.

The nest of the Lonchura Cheet is a perfect hollow ball, made of a delicate Agrostis, with a lateral hole for the entrance of the birds. It contained ten oblong minute white eggs, $\frac{1}{2} \frac{3}{0}$ ths of an inch long by $\frac{9}{20}$ ths in diameter. It was found in the fork of a branch of the Mimosa Arabica.

The nest of the Orthotomus Bennettii was lodged in the cavity formed by sewing the edges of two leaves together: the nest itself also was attached to the leaves by threads passing through the leaf and the bottom of the nest, and there were appearances of the end of the thread being knotted outside. The nest-is composed of very delicate fibres of Indian Hemp and grass. It contained two minute oblong crimson eggs, $\frac{2^{3}}{2} \sigma$ ths of an inch long by ${ }^{2}{ }^{9}{ }^{\circ}$ ths wide.

Col. Sykes also exhibited an egg of the fluviatile Tortoise of Dukhun, Trionyx Indicus, Gray. It is a perfect sphere, $1_{\text {To }}{ }^{4}$ inch in diameter: the calcareous shell is of a peculiar alabaster-like whiteness. He found seven eggs with shells in the oviducts, and twentyseven without shells, nearly of the size of the preceding, in one specimen. He took occasion to mention that in the stomach and intestines of another specimen of Trionyx, he found not only the animals, but also angular fragments of considerable size of the shells of some scores of large Uniones.

A paper was read, entitled, "Description of some Species of Chama: by W. J. Broderip, Esq., Vice-President of the Geological and Zoological Societies, F.R.S., L.S., \&c."

The author commences by remarking that the shells of the genus Chama appear to be subject to every change of shape and often of colour which the accidents of their locality may bring upon them, and that the distinction of the species must consequently be difficult, on account of their infinite variety. He then proceeds to describe those brought home by Mr. Cuming, and now in that gentleman's cabinet. The Shells referred to were exhibited in illustration of the characters and descriptions.

Chama frondosa. Chama testá sublobatd, lamellosd, lamellis sinuosis frondosis, longitudinaliter plicatis et in utraque valva cardinem versus biseriatis, maximis ; intùs albida, limbo purpurascente, crenulato.
Hab. ad Insulam Platam Columbiæ Occidentalis.
The ground colour of this beautiful Chama is a light pinkish purple, and the luxuriant and spreading longitudinally plaited foliations are yellow tinged and streaked with the ground colour. At the root of each foliation, on its lower side, there is generally a purplish transverse stripe.

It was dredged up from a rock of coral, to which it was adhering, at a depth of seventeen fathoms.

Var. a. Testa lamellis crebrioribus, frondibus brevioribus.
Hab. cum præcedente.
Var. b. Testd totd purpured, lamellis creberrimis, frondibus brevissimis.

Hab. ad Mexico. (Gulf of Tehuantepec.)
Dredged up from sandy mud attached to Avicule (Meleagrine, Lam., Margarite, Leach,) at a depth of ten fathoms.

Chama pellucida. Chama testá albd roseo seu rubro fucata vel strigata, lamellis frequentibus, frondibus elongatis pellucidis; intùs alba, limbo crenulato.
Hab. ad Peruviam. (Iquiqui.)
Dredged up attached to stones, Mytili, and turbinated shells, at a depth varying from nine, to eleven fathoms, from a bottom of coarse sand, and also found under stones at low water mark.

In old specimens the foliations and lamellce are completely worn down, and the shell has somewhat of a crystalline appearance; indeed it is always semitransparent.

Chama lobata. Chama testd alba, lobata, subrhomboided, radiatim striata, lamellis creberrimis, fimbriatis, foliaceis, striatis; limbo interno crenato.
Hab. ad Insulam Nevis.
Found attached to small stones and shells, at Nevis in the West Indies, in sandy mud, and at a depth ranging from four to ten fathoms.

Chama Pacifica. Chama testa rubrá purpured vel luted, lamellis creberrimis, foliis seu squamulis brevioribus interdum albidis; limbo interno crenato.
Hab. in Oceano Pacifico. (Lord Hood's Island.-Pearl Islands.)
The infinite variety of this species in shape and colour defies deseription. In many points it agrees with Lamarck's Chama florida, but he describes the margin of that shell as entire, whereas the margin of Chama Pacifica is strongly crenated.

Mr. Cuming's specimens were obtained by diving. They were attached to Avicule, at a depth ranging from three to seven fathoms. Many shells of this species were brought to this country some years ago, from the Pearl Islands, by Mr. Samuel Stutchbury.

Chama imbricata. Chama testd lamellosa, squamis imbricatà, albida purpureo-fusco varia; valva superiore subdepressá, sublobata, sinu ab umbone usque ad limbum currente; intùs albida, limbo integro, sapissimè nigro-purpureo.
Hab. in Oceano Pacifico. (Lord Hood's Island.-Pearl Islands.)
This grows to a large size, and was obtained by diving, attached to Avicula, at a depth ranging from three to seven fathoms. There is generally a purple spot at the tip of the umbo of the upper valve.

This species was also brought home in considerable numbers by Mr. Samuel Stutchbury from the Pearl Islands.

Var. a. Testd nana, castaned albo strigatd, intùs albd.
Hab. ad Insulas Gallapagos.
The examination of an extensive series has led Mr. Broderip to the conclusion that this dwarf, and at first sight widely differing, shell, is only a variety of Chama imbricata. The purple-brown is ehanged into chestnut striped with white, and hardly any scales are to be found on its wrinkled surface, except the double series which crown the ridge on each side of the depressed line, and sometimes a series or two on the affixed valve. This depressed line is not nearly so well marked as it is in the large variety, but it is to be observed on most of the specimens : some are absolutely without imbrications.

This variety was found attached to rocks and stones at low water.
Chama producta. Chama testd subpurpured, creberrimè lamellosa, lamellis foliaceis, integris; valva inferiore enormiter producta; limbo integro, purpureo.
Hab. ad Mexico. (Gulf of Tehuantepec.)
The interior of the shell, which has something of the aspect of that of a Gryphea, is white tinged with yellowish, and striped in the direction of the lamelle with purple. The purple border on the smooth internal edge of the upper valve is of some width.

Dredged up from sandy mud at a depth of ten fathoms, attached to stones.

Chama corrugata. Chama testa corrugata, rubro-purpured albo varia; intùs atro-purpurea, limbo integro.
Hab. in Americâ Centrali. (Real Llejos.)
Found attached to stones at low water. All the specimens which Mr. Broderip had seen turn from right to left.

Chama echinata. Chama testd albidd purpureo varia, spinis fornicatis echinata; intùs atro-purpured vel sub-rubra, limbo integro ; dente cardinali rubro.
Hab. in Americâ Centrali. (Puerto Portrero.)
The spines of this species, which are close set and well developed in youth, are entirely abraded in age, till nothing but corrugation is left externally. But as the animal advances in life the interior of the shell is richly painted, till in old age it arrives to an intensity of dark purple that it is hard to imitate with colours however rich. At this period the cardinal tooth becomes of the hue of the bone of the red Coral (Isis nobilis) used for ornamental purposes.

Found at low water attached to rocks.
Chama spinosa. Chama testd alba interdum roseo vel purpureo umbonem versus valva superioris pictd, spinis fornicatis creberrimis horridd; intùs alba, limbo integro.
Hab. in Oceano Pacifico. (Lord Hood's Island.)
This pretty species was dredged up, attached to corals and Avicula, at a depth ranging from three to seven fathoms. The younger specimens are tinged towards the umbo of the upper valve with a delicate rose-colour. The umbo of the lower valve is often produced after the manner of that of Chama unicornis, Lam.

Chama sordida. Chama testd albida subroseo varid vel totd subroseá, creberrimè striatd, hinc et hinc foliaced; intùs alba, limbo crenulato.
Hab. in America Centrali. (Isle of Cuña.)
This species, which varies much according to its age, but never appears to grow to a large size, was dredged up from a depth of eighteen fathoms, attached to rocks. Old specimens have the lower valve often very much produced.

A Note by Mr. George Bennett on the Nasal Gland of the wandering Albatross, Diomedea exulans, Linn., was read. It described in detail the gland situated in that bird above the orbit, as observed by the writer in 1832, and accorded with the account of it published by him in the Appendix to his ' Wanderings in New South Wales,' \&c. It was illustrated by a drawing of his dissection of the head of an Albatross, made specially with the view of tracing the excretory duct of the gland, which he succeeded in doing for nearly two inches under the external plate of the upper mandible, in a direction towards the nostrils, but inclining slightly upwards, until he lost sight of it among the cellular substance of the bone. The writer notices the occurrence of a corresponding structure in other Birds, particularly among the Natatores, and refers to Müller for an account of the gland as it exists, in or near the orbit, in species of every order of Aves.

A specimen was exhibited of a Kangaroo, recently brought from New Holland, by Capt. Sir W. Edward Parry, R.N., and presented by him to the Society.

Mr. Bennett called the attention of the Meeting to it as representing a species not hitherto described, and distinguishable by its paler colour, which is generally of a slaty grey; by the whiteness of its tail throughout the greater part of the length of that organ; by the comparative length of the tail, which is here longer than the body, whereas in the ordinary greater Kangaroo, Macropus major, Shaw, it is shorter; by the comparative nakedness of the ears; by the great extent of the naked muzzle; and by a broad white stripe along each cheek. He stated it to be his intention to describe it in detail under the name of

Macropus Parryi. Macr. rhinario lato; auriculis elongatis nudiusculis; caudd corpore sublongiore, pilis rigidis brevibus incumbentibus vestita : noteo griseo ; gastrao pallido; fascid genarum, caudaque pro maxima parte, albis, hác ad apicem nigra.
Long. tot. a rostro ad caudæ apicem 5 ped. 4 poll. ; capitis, 6 poll.; auricule, 4 ; tarsi postici, ad unguis longioris apicem, $10_{\frac{2}{2}}$; cauda, 2 ped. 6 poll.

In a Note from Sir Edward Parry, which was read, it is stated that the animal in question is known to the natives in the neighbourhood of Port Stephens (lat. $32^{\circ} \mathrm{S}$.) by the name of Wōllăroo. This individual had been in his possession in New South Wales for two years previously to his embarkation for England, and was allowed to


Cuming, Hugh, Broderip, William John, and Sowerby, George Brettingham. 1834. "Characters of New Genera and Species of Mollusca and Conchifera, collected by Mr Cuming [Pg 2-3, 6-8, 13-14, 17-19, 21-22, 35-40, 46-47, 68-72, 87-89, 123-128, 148-151]." Proceedings of the Zoological Society of London 2, 2-3.

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