March 12, 1844.

William Yarrell, Esq., Vice-President, in the Chair.

Mr. Lovell Reeve described thirty-three new species of *Arca* :—

ARCA PILULA. *Arca testâ orbiculari, valdè gibbosâ, subinæquali, vix inæquilaterali, lateribus supernè angulatis, infrâ rotundatis; albâ, fuscescente pallidè tinctâ, epidermide fuscâ, inter costas setosâ, indutâ; radiatim costatâ, costis quinque vel sex et viginti, angustis, valvæ sinistralis omnibus, valvæ dextralis anticis tantum, subtiliter nodulosis; umbonibus subremotis, ligamenti areâ elongato-rhomboided.*

Conch. Icon. *Arca*, pl. 2. f. 8.

Hab. Island of Burias, Philippines (found in sandy mud at the depth of six fathoms); Cuming.

This species is so exceedingly gibbous that the shell is as wide as it is high, and it is the same in all stages and varieties of growth.

ARCA ANOMALA. *Arca testâ quadrato-ovatâ, subcompressâ, inæquali, latere antico rotundato, postico subangulato-rotundato; albâ, viridescente pallidè tinctâ, epidermide corned inter costas sparsim indutâ; radiatim costatâ, costis octo et viginti, valvæ dextralis lævibus, planulatis, sinistralis convexis, nodulosis; ligamenti areâ angustâ.*

Conch. Icon. *Arca*, pl. 2. f. 9.

Hab. — ?

It seems rather anomalous that the ribs in one valve of this shell should be convex and nodulous, whilst in the other they are flat and smooth; but it is an interesting fact that the larger valve of the inequivalve species of *Arca* exhibits a much more elaborate style of sculpture than the smaller. The *Arca pilula* just described shows this remarkable peculiarity very distinctly, but not so prominently as the species under consideration; and it now remains to be determined whether this difference arises from any superiority of organization in the left lobe of the mantle of the animal inhabitant.

ARCA HOLOSERICA. *Arca testâ obliquè quadratâ, æquali, lateribus supernè angulatis, antico infrâ rotundato, postico angulato-extenso; albâ, epidermide holosericâ obtectâ; radiatim costatâ, costis duabus vel tribus et triginta, creberrimis, planulatis, umbones versus minutissimè pertuso-cancellatis; umbonibus subobliquis; ligamenti areâ latiusculâ.*

Conch. Icon. *Arca*, pl. 2. f. 11.

Hab. Island of Samar, Philippines (found in coarse sand and gravel at the depth of four fathoms); Cuming.

This is a very fine species, remarkable not only on account of its Nos. CXXXIII. & CXXXIV.—PROCEEDINGS OF THE ZOOL. SOC.

general form and velvety epidermis, but for the minute cancellated sculpture of the umbones.

ARCA GUBERNACULUM. *Arca testâ subelongato-ovatâ, compressiusculâ, inaequali, lateribus supernè angulatis, latere antico valdè breviorè, postico compresso-expanso; viridescente, epidermide inter costas squamosâ indutâ; radiatim costatâ, costis duabus vel tribus et triginta, planulatis, leviter noduloso-serratis; ligamenti aed angustâ.*

Conch. Icon. *Arca*, pl. 3. f. 11.

Hab. Basey, island of Samar, Philippines (found in coarse sand and amongst shells at the depth of four fathoms); Cuming.

This shell may be recognised by the compressly expanded character of the posterior side.

ARCA CORNEA. *Arca testâ subquadratâ, gibbosiusculâ, inaequali, lateribus supernè angulatis, infrâ rotundatis, latere antico breviorè; albâ, corio tenui, corneo, viridescente, epidermide inter costas squamosâ indutâ; radiatim costatâ, costis ad novem et viginti, valvæ dextralis planis, sinistralis noduloso-crenatis; ligamenti aed mediocri.*

Conch. Icon. *Arca*, pl. 3. f. 16.

Hab. Basey, island of Samar, Philippines (found in sandy mud at low water); Cuming.

The horny covering of this species is of an unusually transparent character.

ARCA GIBBOSA. *Arca testâ rotundato-ovatâ, gibbosissimâ, æquali, lateribus subangulatis, infrâ rotundatis, latere antico breviorè; albâ, epidermide fuscâ indutâ; radiatim costatâ, costis sex vel septem et viginti, rotundatis, angustis, leviter nodulosis; ligamenti aed mediocri.*

Conch. Icon. *Arca*, pl. 4. f. 20.

Hab. — ?

This shell is almost as round as the *Arca pilula*, from which it differs however essentially in having the umbones obliquely turned to the anterior, and the ribs rounded.

ARCA MACULOSA. *Arca testâ obliquè ovatâ, æquali, lateribus supernè subattenuato-angulatis, infrâ rotundatis, antico brevissimo, postico obliquè extenso; albâ, fusciscentè tinctâ, latere postico maculis perpaucis fuscis ornato, epidermide tenui, cornâ, inter costas setosâ, obtectâ; radiatim costatâ, costis ad sex et triginta, planulatis, confertis, marginibus serratis, posticis leviter nodulosis, anticis prope marginem sulco divisis; umbonibus pallidè rufescentibus; ligamenti aed mediocri, declivi.*

Conch. Icon. *Arca*, pl. 4. f. 24.

Hab. North coast of New Holland.

It is scarcely possible to conceive two species more immediately allied than this and the *Arca scapha*, though perfectly distinguished by the number and arrangement of the ribs, which in the former are

divided by a narrow cut rather than a groove; the scattered brown spots, though few in number, are also peculiar to the *Arca maculosa*.

ARCA COMPACTA. *Arca testâ subelongato-quadratâ, inæquivalvi, gibbosâ, lateribus supernè angulatis, antico breviorè, postico leviter angulato-extenso; albidd, epidermide fuscâ partim indutâ; radiatim costatâ, costis tricenis, valvæ dextralis subangustis, planulatis, sinistralis latioribus, rotundatis, interstitiis cancellatis; ligamenti aræ subangustâ, declivi.*

Conch. Icon. *Arca*, pl. 5. f. 27.

Hab. — ?

This is a short compact shell of rather solid growth.

ARCA PERTUSA. *Arca testâ subobliquè quadratâ, vix æquivalvi, lateribus supernè angulatis, infrâ rotundatis; albidd, viridescente tinctâ, epidermide fuscâ spursim indutâ; radiatim costatâ, costis duabus vel tribus et triginta, confertis, plano-convexis, subtilissimè pertusis; ligamenti aræ latiusculâ, umbonibus subcentralibus.*

Conch. Icon. *Arca*, pl. 5. f. 28.

Hab. Mouth of the Gambia, Africa.

The ribs of this shell are very finely pricked or indented, a character which I do not remember to have observed in any other species.

ARCA CISTULA. *Arca testâ subquadratâ, inæquivalvi, lateribus supernè angulatis, antico infrâ rotundato, postico quadrato; albâ, epidermide tenui fuscescente, inter costas squamosâ, indutâ; radiatim costatâ, costis angustis, numerosis, septem vel octo et triginta, valvæ sinistralis umbones versus subtilissimè nodulosi; ligamenti aræ mediocri; umbonibus subacutis, prope extremitatem anticam dispositis.*

Conch. Icon. *Arca*, pl. 5. f. 29.

Hab. — ?

An interesting species, remarkable for the neatness and regularity of the ribs, as well as for the very anterior situation of the umbones.

ARCA INFLATA. *Arca testâ obliquè ovatâ, tenui, inflatâ, vix æquivalvi, lateribus supernè leviter angulatis, infrâ rotundatis; albidd, epidermide corned fuscâ, inter costas squamosâ, indutâ; radiatim costatâ, costis numerosis, quadragenis, planulatis, lævibus; ligamenti aræ subangustâ, declivi; umbonibus tumidis, paululùm approximatâ.*

Conch. Icon. *Arca*, pl. 5. f. 30.

Hab. Ilo Ilo, isle of Panay, Philippines (found in soft mud at the depth of six fathoms); Cuming.

This is a light inflated shell of rather large size, at present unique in the collection of Mr. Cuming.

ARCA CYMBÆFORMIS. *Arca testâ elongato-ovatâ, tumidiusculâ, inæquivalvi, posticè attenuatâ; albidd, epidermide corned viridescente, inter costas squamosâ, indutâ; radiatim costatâ, costis duabus et triginta, valvæ sinistralis rotundatis, tuberculato-crenatis, valvæ dextralis planulatis, anticis tantum crenatis; ligamenti aræ parvâ, declivi.*

Conch. Icon. *Arca*, pl. 5. f. 31.

Hab. — ?

This is a shell of very peculiar growth, inasmuch as the posterior side is smaller and more attenuated than the anterior, a condition reverse to that usually presented.

ARCA JAPONICA. *Arca testâ elongato-ovatâ, tenuiculâ, valdè inæquivalvi, lateribus rotundatis, postico latiore, antico brevissimo; albâ, epidermide cornèâ fuscâ, inter costas squamosâ, indutâ; radiatim costatâ, costis quinque et triginta, angustis, lævibus, planulatis, anticis subobsoletè nodulosis; ligamenti areâ angustissimâ.*

Conch. Icon. *Arca*, pl. 5. f. 32.

Hab. Coast of Japan (found in sandy mud); Dr. Siebald.

The lateral extremities of this shell are peculiarly rounded.

ARCA VELLICATA. *Arca testâ trapeziformi, subcompressâ, in medio leviter contractâ, vir æquivalvi, lateribus supernè angulatis, antico infrâ rotundato, postico angulato-expanso; albâ, epidermide, inter costas squamosâ, partim indutâ; radiatim costatâ, costis angustis, numerosissimis, quinquagenis aut pluribus, anticis sulco divisâ; ligamenti areâ angustâ; umbonibus latis, peculiariter depresso-vellicatis.*

Conch. Icon. *Arca*, pl. 5. f. 33.

Hab. — ?

This is a very remarkable shell, both on account of the large number of ribs, and of the peculiar compression of the umbones.

ARCA GAMBIENSIS. *Arca testâ elongato-quadratâ, tenuiculâ, valdè compressâ, in medio coarctatâ, æquivalvi, lateribus rotundatis, postico subangulato extenso; albâ, epidermide tenui olivaceâ, sparsim setigerâ, indutâ; radiatim costatâ, costis duabus vel tribus et viginti, lævigatis, plano-expansis, lirâ exili intercurrente; ligamenti areâ parvâ, angustâ; umbonibus angulato-mucronatis.*

Conch. Icon. *Arca*, pl. 6. f. 36.

Hab. Mouth of the Gambia, Africa (found in sandy mud in deep water).

The ribs of this shell become peculiarly flattened and spread out towards the margin, and there is a fine ridge running down the centre of the intermediate grooves. This is the only species in which I have as yet observed any kind of fine interribbing.

ARCA CUNEATA. *Arca testâ obliquè ovatâ, æquivalvi, marginem versus coarctatâ, lateribus supernè angulatis, infrâ obliquè rotundatis; albâ, radiatim costatâ, costis ad vixenas, rotundatis, irregulariter nodosis; ligamenti areâ latissimâ, declivi; umbonibus parvis, distantibus.*

Conch. Icon. *Arca*, pl. 6. f. 37.

Hab. Zanzibar.

The great width of the ligamentary area, separating the umbones asunder to a considerable extent, imparts a wedge-like form to this shell, by which it may be easily recognised.

ARCA SECTICOSTATA. *Arca testâ elongato-ovatâ, gibbosissimâ, tenuiculd, lateribus supernè angulatis, infrâ subobliquè rotundatis; albâ, fuscescente partim tinctâ; radiatim costatâ, costis numerosis, angustis, ad quadragenas, quamplurimis sulco subprofundo divisis; ligamenti arêâ elongatâ, latiusculâ; umbonibus tumidis.*

Conch. Icon. *Arca*, pl. 6. f. 38.

Hab. — ?

This shell is probably one of those that have been confounded with the *Arca antiquata*; it differs in having a much greater number of ribs, and a larger proportion of them more distinctly grooved.

ARCA FERRUGINEA. *Arca testâ ovato-oblongâ, æquivalvi, lateribus rotundatis; albâ, epidermide ferrugineo-fuscâ indutâ; radiatim costatâ, costis ad septem et viginti, angustis, compressis, subtilissimè nodulosis; ligamenti arêâ subangustâ; umbonibus obliquè incurvis.*

Conch. Icon. *Arca*, pl. 6. f. 39.

Hab. — ?

The ribs of this species are unusually narrow, and being finely nodulous, present a kind of beaded appearance.

ARCA RADIATA. *Arca testâ ovato-oblongâ, æquivalvi, lateribus rotundatis; albâ, fuscescente ad umbones tinctâ, epidermide sparsim indutâ; radiatim costatâ, costis ad tricenâs, angustissimis, obsolete nodulosis, interstitiis clathratis; ligamenti arêâ mediocri.*

Conch. Icon. *Arca*, pl. 6. f. 40.

Hab. — ?

The ribs are much less prominently developed than in the preceding species; they are also narrower, more numerous, and less strongly noduled.

ARCA OBLIQUA. *Arca testâ ovatâ, valdè obliquâ, æquivalvi, lateribus supernè angulatis, infrâ rotundatis, antico brevissimo, postico obliquè expanso; albâ, epidermide fuscescente sericâ, inter costas setosâ, indutâ; radiatim costatâ, costis quinque vel sex et triginta, planulatis, confertis, interstitiis subtilissimè striatis, anticis posticisque leviter crenatis, anticis sulco divisis; ligamenti arêâ subangustâ, declivi; umbonibus approximatis.*

Conch. Icon. *Arca*, pl. 6. f. 41.

Hab. West coast of Africa.

This is a very interesting species, and altogether one of very distinct character.

ARCA MYRISTICA. *Arca testâ subquadrato-ovatâ, gibbosiusculâ, inæquivalvi, lateribus angulato-rotundatis; albâ, epidermide tenui rubido-fuscescente indutâ; radiatim costatâ, costis tribus vel quatuor et viginti, valvæ sinistralis omnibus nodulosis, dextralis anticis tantum; ligamenti arêâ subangustâ.*

Conch. Icon. *Arca*, pl. 7. f. 42.

Hab. Jimamailan, island of Negros, Philippines (found in sandy mud at the depth of three fathoms); Cuming.

In this species there is no trace of that peculiar green colour which is so prominent in the following.

ARCA CHALCANTHUM. *Arca testâ oblongo-quadrata, subcompressâ, inæquali, lateribus supernè angulatis, latere antico brevissimo, postico latiore, compressâ; albida, corio corneo viridi, epidermide fusca, induta; radiatim costata, costis octo et viginti, angustis, valvæ sinistralis leviter nodulosis; ligamenti areâ subangustâ.*

Conch. Icon. *Arca*, pl. 7. f. 43.

Hab. San Nicolas, island of Zebu, Philippines (found in sandy mud at the depth of six fathoms); Cuming.

The peculiar colour of this shell gives it the appearance of having been stained with green copperas.

ARCA LUZONICA. *Arca testâ elongato-quadrata, gibbosiusculâ, æquali, lateribus supernè angulatis, infrâ rotundatis, latere antico brevi; albida, corio corneo viridescente, epidermide fusca, induta; radiatim costata, costis octo et viginti, latiusculis, valvæ sinistralis subobsoletè nodulosis; ligamenti areâ subangustâ, declivi.*

Conch. Icon. *Arca*, pl. 7. f. 44.

Hab. Island of Luzon, Philippines (found in sandy mud at low water); Cuming.

This is a stouter shell than the preceding species; it is more gibbous, and the ribs are broader.

ARCA ROTUNDICOSTATA. *Arca testâ ovata, gibbosa, æquali, lateribus supernè angulatis, antico brevi, rotundato, postico subangulato-extenso; alba, umbones versus fuscescente tinctâ; radiatim costata, costis ad vixenas, subdistantibus, elevatis, rotundatis, crenatis, valvæ sinistralis potiùs latioribus; ligamenti areâ lata, paululàm concavo-declivi.*

Conch. Icon. *Arca*, pl. 7. f. 46.

Hab. ———?

A species in which the ribs are peculiarly rounded.

ARCA CLATHRATA. *Arca testâ subquadrato-ovata, æquali, lateribus leviter compressis, supernè angulatis, infrâ rotundatis; albida, epidermide tenui fuscescente, inter costas exilissimè setosa, induta; radiatim costata, costis leviter crenatis, interstitiis profundis, lineis elevatis clathratis; ligamenti areâ subelongata.*

Conch. Icon. *Arca*, pl. 7. f. 48.

Hab. Islands of Burias and Ticao, Philippines (found at the depth of about six fathoms); Cuming.

A small species, in which the interstices between the ribs, which are very deeply engraved, are distinctly latticed with raised lines.

ARCA OVATA. *Arca testâ subelongato-ovata, tenui, valdè inæquali, lateribus supernè angulato-rotundatis, postico breviorè, subtùs angulato-extenso, antico attenuato-rotundato; albida, rufescente-fusco tinctâ, epidermide tenuissimâ; radiatim costata, costis ad tricenâs, anticis nodulosis, posticis minus distinctioribus, planulatis, levibus, costis valvæ sinistralis valdè latioribus; ligamenti areâ parvâ, latiusculâ.*

Conch. Icon. *Arca*, pl. 8. f. 49.

Hab. St. Elena, South America (found in sandy mud at the depth of from six to eight fathoms); Cuming.

This shell partakes of the characters of the *Arca Brasiliana* and *incongrua*; it is however more elongated than either, and the ribs are narrower and more in number.

ARCA CRENATA. *Arca testâ subelongato-quadratâ, subcompressâ, solidiusculâ, viz æquivalvi, lateribus angulato-rotundatis; albâ, epidermide tenui fuscâ indutâ; radiatim costatâ, costis septem vel octo et triginta, valvarum ambarum omnibus noduloso-crenatis; ligamenti areâ subangustâ, declivi, umbonibus depresso-approximatis.*

Conch. Icon. *Arca*, pl. 8. f. 51.

Hab. —?

This species may be distinguished by its multiplicity of ribs, coupled with the manner in which the whole of them in both valves are crenated.

ARCA GLOBOSA. *Arca testâ globosâ, tumidâ, subæquivalvi, lateribus supernè subangulatis, antico breviorè; albâ, epidermide cornèâ fuscâ indutâ; radiatim costatâ, costis duabus vel tribus et triginta, lævibus, planulatis; ligamenti areâ mediocri, umbonibus latiusculis, subapproximatis.*

Conch. Icon. *Arca*, pl. 8. f. 52.

Hab. Catbalonga, island of Samar, Philippines (found in coarse sand and gravel at the depth of four fathoms); Cuming.

Chiefly characterized by its globular form and the smooth horny nature of the epidermis.

ARCA RUFESCENS. *Arca testâ elongato-ovatâ, valdè inæquivalvi, lateribus supernè leviter angulatis, infrâ rotundatis, postico subelongato-extenso; albâ, rufescente tinctâ, epidermide inter costas partim indutâ; radiatim costatâ, costis numerosis, quadragenis, confertis, lævibus; ligamenti areâ mediocri, umbonibus subtruncatis.*

Conch. Icon. *Arca*, pl. 8. f. 53.

Hab. —?

This shell is of a more solid structure than the *Arca inæquivalvis*; the ribs are much more numerous and close-set, and independent of the difference of colour, there is a truncated peculiarity in the umbones.

ARCA CONTRARIA. *Arca testâ obliquè ovatâ, solidâ, turgidâ, æquivalvi, lateribus rotundatis, postico brevi, antico elongato-extenso; albâ, epidermide sericâ fuscâ crassâ partim indutâ; radiatim costatâ, costis tricenis, lævibus; ligamenti areâ latiusculâ, declivi; umbonibus contrariè contortis.*

Conch. Icon. *Arca*, pl. 8. f. 55.

Hab. —?

This is another contrary or reversed species, and a very remarkable one, the shell being completely reversed, whilst the position of

the ligamentary area remains the same. This and the *Arca reversa*, Gray, are the only species of the genus I have as yet seen exhibiting this peculiarity of growth.

ARCA ANGICOSTATA. *Arca testâ subquadrato-ovatâ, subæquivalvi, lateribus supernè angulatis, infrâ rotundatis, antico brevi; albidd, fuscescente partim tinctâ, epidermide fuscâ, inter costas squamosâ, indutâ; radiatim costatâ, costis ad tricenâs, anticis angustis, subdistantibus, leviter crenulatis, posticis latioribus, expansioribus; ligamenti areâ latiusculâ.*

Conch. Icon. *Arca*, pl. 9. f. 57.

Hab. — ?

There is a very unusual disproportion in the width of the ribs of this species, the anterior ribs being exceedingly narrow, whilst the posterior are wider and spread out as it were.

ARCA LORICATA. *Arca testâ subquadratâ, gibbosâ, lateribus supernè attenuato-angulatis, antico brevi, rotundato, postico angulato-extenso; albidd, corio corneo cæruleo-viridescente loricatâ, epidermide tenui, fuscâ, inter costas squamosâ, indutâ; radiatim costatâ costis septem vel octo et viginti, planiusculis, acutangulis; umbonibus subapproximatis; ligamenti areâ leviter declivi.*

Conch. Icon. *Arca*, pl. 9. f. 58.

Hab. — ?

This shell is covered with a peculiarly strong horny cuticle, and differs from any previously described species in the arrangement and formation of the ribs.

ARCA DISPARILIS. *Arca testâ ovatâ, tenui, subcompressâ, valde inæquivalvi, lateribus angulato-rotundatis, latere postico subcompresso-expanso; albidd, corio corneo tenui cæruleo-viridescente, epidermide fuscâ indutâ; radiatim costatâ, costis sex vel septem et triginta, planiusculis, umbones versus obsoletè crenulatis; umbonibus subapproximatis; ligamenti areâ angustâ, declivi.*

Conch. Icon. *Arca*, pl. 9. f. 59.

Hab. — ?

The nearest approach to the *Arca inæquivalvis*, but a shell of more compressed growth; the valves exhibit a still greater disparity of size, and the ribs are rather more numerous.

ARCA CREBRICOSTATA. *Arca testâ elongato-quadratâ, æquivalvi, lateribus supernè angulatis, antico infrâ rotundato, postico elongato-extenso, subattenuato; albâ, epidermide fuscâ holosericâ indutâ; radiatim costatâ, costis numerosissimis, tribus vel quatuor et quadraginta, planis, latiusculis, creberrimis, anterioribus sulco divisâ, subtilissimè crenulatis; umbonibus latis, subapproximatis; ligamenti areâ angustâ, declivi.*

Conch. Icon. *Arca*, pl. 9. f. 61.

Hab. — ?

The ribs of this species are very characteristic, being comparatively broad, flat, very close-set, and more in number than in any other of the genus.

ARCA HIANS. *Arca testâ elongato-ovatâ, æquivalvi, anticè hiante, lateribus rotundatis, postico attenuato-extenso; albidâ, fuscéscente pallidè tinctâ, epidermide fuscâ, inter costas squamosâ, indutâ; radiatim costatâ, costis duabus vel tribus et triginta, latiusculis, planulatis, anticis subobsoletè crenulatis, sulco latissimo divisis; umbonibus subapproximatis; ligamenti areâ angustâ, profundè declivi.*

Conch. Icon. *Arca*, pl. 9. f. 62.

Hab. — ?

The shape of the *Arca hians* approaches somewhat to that of the *Arca cymbæformis*, but the species differ most essentially from each other on examination. In the *Arca hians* the valves are equal, the anterior ribs are divided by an unusually broad groove, and the shell gapes at the anterior end to the extent of about three-sixteenths of an inch, a peculiarity of which I have not observed the slightest indication in any other species of this division of the *Arca*.

ARCA OCCLUSA. *Arca testâ subquadratâ, valdè gibbosâ, inæquivalvi, lateribus supernè attenuato-angulatis; albâ; radiatim costatâ, costis septem vel octo et viginti, subdistantibus, valvæ dextralis lævibus, sinistralis nodulosis; umbonibus prominentibus, peculiari-ter approximatis; ligamenti areâ subdeclivi.*

Conch. Icon. *Arca*, pl. 10. f. 64.

Hab. — ?

The umbones of this shell are so closely approximated over the ligamentary area, as to prevent the valves from opening beyond the extent of about a quarter of an inch.

ARCA AMBIGUA. *Arca testâ subquadratâ, tenuiculâ, inæquivalvi, lateribus subattenuato-angulatis, antico infrâ rotundato, postico angulato; albidâ, epidermide fuscâ, inter costas squamosâ, indutâ; radiatim costatâ, costis tribus vel quatuor et triginta, angustis, rotundatis, anticis subtilissimè rotundatis; ligamenti areâ subangustâ.*

Conch. Icon. *Arca*, pl. 10. f. 65.

Hab. — ?

The *Arca cistula* is the nearest allied species to this.

ARCA CEPOIDES. *Arca testâ subquadrato-ovatâ, tenui, ventricosâ, inæquivalvi, lateribus angulato-rotundatis; albidâ, fuscéscente pallidè tinctâ, corio corneo cærulescente, epidermide fuscâ, inter costas squamosâ, indutâ; radiatim costatâ, costis duabus et triginta, lævibus, planulatis, costis valvæ sinistralis subtilioribus; umbonibus tumidis; ligamenti areâ latiusculâ, valdè declivi.*

Conch. Icon. *Arca*, pl. 10. f. 66.

Hab. San Miguel, South America (found in sandy mud); Cuming. This is a fine bold species, but it does not exhibit any very striking peculiarity of character.

ARCA HANKEYANA. *Arca testâ obliquè ovatâ, crassiusculâ, valdè gibbosâ, tumidâ, æquivalvi, lateribus rotundatis, supernè attenuatis, latere antico brevissimo, postico obliquè extenso; albâ, epidermide*

tenui, inter costas hirsutâ, sparsim indutâ; radiatim costatâ, costis duabus vel tribus et triginta, planulatis, confertis, quadriliratis; umbonibus parvis, distantibus; ligamenti areâ brevi, latâ, declivi.

Conch. Icon. Arca, pl. 10. f. 68.

Hab. Harbour of Mozambique (found in a mass of white coral on the reefs at low water, spring tide); Hankey.

I close this division of the genus with a new species, which exhibits a peculiarity in the structure of the ribs of great novelty and interest, each of them being composed of four distinctly separated ridges.

I have great pleasure in naming this important species after the gentleman to whom I am indebted for it, Lieut. Hankey, R.N., a zealous conchologist, whose researches on the coast of Africa have greatly contributed to science.

The following description of some new species of *Columbella*, in the collection of H. Cuming, Esq., by Mr. G. B. Sowerby, was then read:—

COLUMBELLA DUCLOSIANA, nob., Thes. Conch. part 4. pl. 36. f. 15, 16. *Col. testâ ovatâ, utrinquè acuminatâ, longitudinaliter costatâ, saturatè fuscâ, zonis binis pallidioribus; spirâ acuminatâ, anfractibus 5, costatis, ultimâ magnâ parte ventrali longitudinaliter costatâ, interstitiis costarum transversim striatis, dorsali lævigatâ, anticè transversim striatâ; aperturâ latiusculâ, flexuosâ, nigricante; labio externo crasso, intus denticulis 8–9, posticis majoribus; interno posticè callifero; canali breviter acuminato, subreflexo; epidermide crassiusculâ.*

Epidermis coarse and rough. Found under stones on the coast of Malacca by H. Cuming; also from Java.

COLUMBELLA CHLOROSTOMA, nob., Thes. Conch. pl. 36. f. 17, 18. *Col. testâ ovatâ, longitudinaliter costatâ, lævi, albâ, nigro-maculatâ; spirâ mediocri, anfractibus 5, subventricosis, costatis, ultimo anticè transversim striato, parte dorsali anticè costis obsoletis; aperturâ oblongâ, latiusculâ, peritremate fulvescente; labio externo posticè angulato.*

A single specimen is in the collection of M. Petit de la Saussaye, which he has obligingly communicated. It is not *Buccinum chlorostoma* of Wood.

COLUMBELLA RUDIS, nob., Thes. Conch. pl. 36. f. 33, 34, 35. *Col. testâ oblongâ, rudi, plerumquè albidâ, punctis strigisque irregulariter ornatâ; spirâ longiusculâ, acutiusculâ, anfractibus 7, transversim crassè granuloso striatis, posticè anguliferis, ultimo magno; aperturâ subflexuosâ, albâ, peritremate posticè angulifero; canali subreflexâ.*

From Nevis: in Mr. Cuming's and other collections.

COLUMBELLA PÆCILA, nob., Thes. Conch. pl. 37. f. 51, 52. *Col. testâ ovatâ, utrinquè subacuminatâ, transversim striatâ, fulvâ, lineis 2–3 transversis castaneis, maculisque albis variegatâ; an-*

fractibus 5-6, posticè subcoronatis, ultimo magno, subtrigonalì; aperturà latiusculà, flexuosà, labii externo medio subcoarctato.

Two specimens only were brought from Matnog by H. Cuming.

COLUMBELLA VENUSTA, nob., Thes. Conch. pl. 37. f. 53, 54. *Col. testà oblongà, lævigatà, pallescente, strigis maculisque castaneis, undatis, punctivæ albis ornatà; spiræ apice nigricante; anfractibus 6, ultimo magno, anticè transversim striato; aperturà latiusculà, labio externo extùs striato, interno denticulis externis 8-9, internis 2-3; canali latiusculo.*

A very graceful species, brought lately from the Swan River Settlement.

COLUMBELLA SPLENDIDULA, nob., Thes. Conch. pl. 37. f. 65, 66. *Col. testà oblongà, lævi, aurantiacà, maculis albis castaneisque variegatà; spirà breviusculà, subacuminatà; anfractibus 7-8, brevibus, ultimo magno, anticè transversim striato; aperturà subflexuosà, albà; labio externo extùs varicoso, margine tenuiusculo; labio interno anticè laminà levatà columellari instructo; canali brevi, subreflexo.*

Found in coarse sand at a depth of seven fathoms, near the island of Corregidor, bay of Manila, by H. Cuming.

COLUMBELLA OBSCURA, nob., Thes. Conch. pl. 37. f. 70, 71. *Col. testà oblongà, lævi, obscure fulvâ, strigis longitudinalibus nigris; spirà subacuminatà, anfractibus 7, posticè albo nigroque articulatis, ultimo anticè transversim sulcato; labio interno subincrassato, margine acutiusculo, intùs medianè dentibus 3-4 obsoletis; interno anticè laminam levatam columellarem efformante; canali brevi, subreflexo.*

North-west coast of New Holland; Mr. Cuming's collection.

COLUMBELLA CONIFORMIS, nob., Thes. Conch. pl. 37. f. 77, 78. *Col. testà ovato-turbinatà, lævi, pallidâ, coloribus variis pictâ; spirà breviter conicâ, anfractibus 7, primis sex medio obtusè angulato, marginibus propè suturam levatiusculis; ultimo anfractu magno, elongato-conico, anticè transversim striato; labio externo tenuiusculo, intùs denticulis plurimis; canali subreflexo.*

In Mr. Cuming's collection.

COLUMBELLA ASPERSA, nob., Thes. Conch. pl. 37. f. 79, 80. *Col. testà oblongo-ovatâ, lævi, albâ, castaneo-reticulatâ et maculatâ; spirà subacuminatâ, apice obtuso, anfractibus 6, posticè rotundatis, ultimo anticè transversè obsoletè striato; aperturà latiusculâ, flexuosâ, labio externo intùs medianè tuberculato denticulis obsoletis, margine lævigato; canali latiusculo, brevi.*

Two specimens are in Mr. Cuming's and one in Lady Harvey's collection: locality unknown.

COLUMBELLA LIGULA, Ducl., Thes. Conch. pl. 38. f. 83, 84, 85. *Col. testà oblongâ, acuminatâ, lævi, albâ, coloribus variis fasciatim pictâ; spirâ elongatâ, turritâ, anfractibus 8-9, subventricosis, nitidâ; ultimo magno; labio externo extùs crassiusculo, variciformi,*

intùs denticulato; labio interno anticè laminam levatam columellarem efformante, intùs denticulis, rugosiusculo.

Found by Mr. Cuming at Ticao.

COLUMBELLA FABULA, nob., Thes. Conch. pl. 38. f. 86, 87; *C. Sardonosta*, Ducl. *Col. testâ ovatâ, lævi, pallidâ, coloribus obscuris variis pictâ; spirâ acuminatâ, conicâ, apice acuto; anfractibus 6-7, margine suturarum levatiusculo; ultimo magno, anticè transversim striato; aperturâ latâ, labio externo tenuiusculo, posticè subemarginato, intùs in mediam subtumido, denticulato; canaliculato.*

A variety has been found under stones in the bay of Muerte, island of Corregidor, by Mr. Cuming.

COLUMBELLA VULPECULA, nob., Thes. Conch. pl. 38. f. 93. *Col. testâ ovatâ, crassâ, lævi, albâ, ferrugineo-marmoratâ; spirâ subacuminatâ, anfractibus 6-7, ultimo magno, leviter transversim striato, anticè striis validioribus; labio externo crasso, extùs transversim striato, intùs in mediam tumido, denticulato; aperturâ flexuosâ; canali lato, brevî.*

COLUMBELLA MISER, nob., Thes. Conch. pl. 38. f. 111. *Col. testâ ovato-oblongâ, albicante vel lutescente; spirâ pyramidalî, anfractibus 6, convexiusculis, anticè castaneo-maculatis, posticis quinque longitudinaliter costatis, antico costato, sed costis dorsalibus anticè evanidis; aperturâ latiusculâ, subrhomboidali, dentibus internis labii externi paucis, parvulis.*

There is a variety with nearly obsolete ribs. Locality unknown. In Mr. Bean's collection and in my own.

COLUMBELLA DICHROA, nob., Thes. Conch. pl. 40. f. 168, 169. *Col. testâ oblongo-subpyramidalî, lævigatâ, albâ, castaneo-sphacelatâ; apice obtuso; anfractibus quinque; aperturâ latâ.*

St. Vincent's; Rev. L. Guilding. In my own collection.

COLUMBELLA GUTTATA, nob., Thes. Conch. pl. 39. f. 124. *Col. testâ oblongâ, lævi, castanê, albo-guttatâ, apice obtuso, violaceo; spirâ longiusculâ, anfractibus 5, subplanulatis, ultimo magno; aperturâ magnâ, latâ, dentibus internis labii externi irregularibus, labio columellari dente unico postico.*

In Mr. Norris's and Mr. Stainforth's collections.

COLUMBELLA JASPIDEA, nob., Thes. Conch. pl. 39. f. 125. *Col. testâ oblongâ, pyramidalî, lævigatâ, albicante, fulvo-marmoratâ, apice acuminato, roseo; anfractibus 7, costellatis, tenuissimè decussatim striatis, costellis ultimi anfractûs anticè obsoletis; aperturâ latiusculâ; labio externo extùs incrassato, intùs denticulis nonnullis munito, dente unico anticè propè canalem admoto, labio columellari anticè tubercularum oblongè instructo.*

Found under stones at low water on the island of Ticao, by Mr. Cuming.

COLUMBELLA ACHATINA, nob., Thes. Conch. pl. 39. f. 126. *Col. testâ oblongo-turritâ, lævi, pallidè brunneo-marmoratâ, apice de-*

collato; anfractibus 6, convexiusculis, ultimo majori, anticè sulcato, sulcis paucis, inconspicuis; aperturâ brevi, latiusculâ, intùs violascente, labio externo anticè effuso.

In Mr. Cuming's collection; from Swan River.

COLUMBELLA IMPOLITA, nob., Thes. Conch. pl. 39. f. 127. *Col. testâ oblongâ, subturritâ, lævi, obscurâ, fulvescente, fasciâ spirali unicâ albidâ; anfractibus 7, subplanulatis; aperturâ breviusculâ, sinuosâ, denticulis internis labii externi paucis, prominentibus, labio columellari anticè paululùm levato.*

In Mr. Cuming's collection.

COLUMBELLA RUGULOSA, nob., Thes. Conch. pl. 39. f. 131. *Col. testâ obovatâ, rugulosâ, crassâ, violaceo-nigricante, fasciâ anticâ maculisque parvis albidis ornatâ; anfractibus 5, longitudinaliter costatis, tenuiter decussatim striatis, striis anticis fortioribus; aperturâ latiusculâ, dentibus internis labii externi paucis majusculis.*

Gallapagos Islands; H. Cuming.

COLUMBELLA ATRAMENTARIA, nob., Thes. Conch. pl. 40. f. 174. *Col. testâ ovato-acuminatâ, crassâ, medio ventricoso, transversim striatâ, nigrâ; anfractibus 5-6, tenuiter longitudinaliter costatis; aperturâ latâ, labio externo incrassato, internè denticulis subinconspicuis.*

Chatham Island, Gallapagos; G. B. Sowerby's collection.

COLUMBELLA TICAONIS, nob., Thes. Conch. pl. 39. f. 142. *Col. testâ oblongâ, utrdque acuminatâ, medio turgido, pallescente, castaneo-sphacelatâ; anfractibus 6, transversim striatis, suturis levatiusculis; aperturâ oblongâ, labio externo extùs incrassato, margine tenui, denticulis internis paucis, parvulis.*

Found at a depth of seven fathoms in sandy mud, at the island of Ticao, by H. Cuming.

COLUMBELLA DECUSSATA, nob., Thes. Conch. pl. 39. f. 133. *Col. testâ oblongâ, crassâ, albâ, fusco-marmoratâ; anfractibus 5, turgidiusculis, decussatim costatâ; aperturâ oblongâ, subsinuosâ, labio externo albo, crasso, posticè extùs obtusè angulato, margine externo crenato.*

Australia; G. Humphrey.

COLUMBELLA BLANDA, Sol., Thes. Conch. pl. 39. f. 145, 146. *Col. testâ ovato-pyramidalî, pallidâ, apice acuto; anfractibus 8, lævibus, longitudinaliter undulatim fusco-lineatis, lineis propè suturam dorsalem ultimi anfractûs fortioribus; aperturâ latâ, posticè acuminatâ, labio externo tenuiusculo, extùs turgido, intùs denticulis parvis instructo; canali latiusculo.*

Africa; on the shore. Solander.

COLUMBELLA NIVEA, nob., Thes. Conch. pl. 39. f. 151. *Col. testâ ovato-pyramidalî, crassiusculâ, lævi, nived, apice acuminato; anfractibus 8, primis 6 lævigatis, penultimo longitudinaliter costellato,*

ultimo costato, ad partem dorsalem anticam laevi; aperturâ subangustâ, subsinuosâ, labio externo crasso, intûs subdenticulato, labio columellari anticè levato.

In Mr. Cuming's collection.

COLUMBELLA SUBULATA, nob., Thes. Conch. pl. 40. f. 158, 159.

Col. testâ turrito-pyramidalî, lævigatâ, albidâ, epidermide tenui, corned, pallescente indutâ; spirâ subulatâ, anfractibus decem, convexiusculis, primis octo lævibus, tribus ultimis posticè transversim striatis, ultimo striato, posticè tumido; aperturâ sinuosâ, albâ, labio externo extûs incrassato, intûs medianè incrassato, denticulato; labio interno incrassato, levato; canali brevi, reflexo.

In Mr. Norris's collection: locality unknown.

COLUMBELLA PUELLA, nob., Thes. Conch. pl. 40. f. 160, 161. *Col.*

testâ ovato-pyramidalî, spirâ acuminatâ, acutâ, pallidè castanèd vel brunneâ variegatâ, anfractibus 9, longitudinaliter costellatis, lævibus, ultimo anticè transversim striato; suturâ crenulatâ, albâ; canali distincto, extûs transversim sulcato; aperturâ oblongâ, subrhomboided, labio columellari uniplicato.

From Burias; H. Cuming. A variety nearly free from the longitudinal ribs occurs at Catbalonga.

COLUMBELLA SUFFUSA, nob., Thes. Conch. pl. 40. f. 166, 167.

Col. testâ oblongâ, crassiusculâ, albicante, maculis liturisque fuscis ornatâ; spirâ acuminatâ, conoidalî; anfractibus 6-7, longitudinaliter costatis, interstitiis costarum tenuiter transversim striatis; aperturâ latiusculâ.

Pacific Ocean; Cuming.

COLUMBELLA PARVA, nob., Thes. Conch. pl. 40. f. 170. *Col. testâ*

oblongâ, pallidâ, fasciâ spirali castanèd unicâ ornatâ, apice acuminato; anfractibus 6, longitudinaliter costatis, decussatim striatis, ultimo anticè propè labium externum variciformatum lævigato, supra canalem transversim striato; aperturâ breviusculâ, subsinuosâ, labio columellari levato.

Found under stones at Monte Christi, West Columbia; H. Cuming.

COLUMBELLA CATENATA, nob., Thes. Conch. pl. 40. f. 171. *Col.*

testâ oblongâ, crassâ, pallidâ, undulatim castaneo-marmoratâ, apice acuminato, obtusiusculo; anfractibus 6, longitudinaliter costatis, interstitiis lævibus, ultimo anticè transversim striato; aperturâ latiusculâ, denticulis parvis 4, labii columellaris obtusis.

Locality unknown; Mr. Cuming's collection.

COLUMBELLA NIGRICANS, nob., Thes. Conch. pl. 40. f. 172. *Col.*

testâ oblongâ, nigricante, apice acuminato, anfractibus 6, longitudinaliter costatis, interstitiis costarum tenuiter transversim striatis; suturâ distinctâ, crenulatâ, albicante, margine labii externi pallido. Gallapagos Islands; Mr. Cuming's collection.

COLUMBELLA DORMITOR, nob., Thes. Conch. pl. 40. f. 173. *Col.*

testâ ovato-conoided, pallescente, spirâ conicâ, breviusculâ; anfrac-

tibus 6, transversim sulcatis; aperturâ lævigatâ, margine interno labii externi crenulato.

St. Vincent's; Rev. L. Guilding. In Mr. Gray's collection.

COLUMBELLA GUILDINGII, nob., Thes. Conch. pl. 40. f. 175, 176.
Col. testâ oblongo-pyramidalî, pallescente, brunneo-variegatâ, apice acuminato-subturritâ; anfractibus 6, longitudinaliter costatis et transversim striatis; aperturâ longiusculâ, sinuosâ, canali subelongato, extûs transversim sulcato.

In the British Museum; found at St. Vincent's by the late Rev. Lansdowne Guilding.

COLUMBELLA BRODERIPPI, nob., Thes. Conch. pl. 40. f. 178, 179.
Col. testâ oblongo-turritâ, lævi, castaneâ, variè albo-maculatâ et guttatâ; anfractibus 5, subventricosâ, oblongâ, latiusculâ, labio externo intûs denticulis 2-3 obsoletis instructo; anfractu ultimo anticè transversim striato.

Alboran Island; W. J. Broderip, Esq. In the British Museum.

COLUMBELLA KRAUSSII, nob., Thes. Conch. pl. 40. f. 180, 181.
Col. testâ ovato-oblongâ, lævi, albicante, lineis castaneis undulatis signatâ; anfractibus 5-6, subventricosâ, longitudinaliter costellatis, costellis distantibus, interstitiis lævibus; aperturâ latâ; canali brevissimo.

In the British Museum; found at Natal by Dr. Krauss.

COLUMBELLA MONILIFERA, nob., Thes. Conch. pl. 40. f. 177. *Col. testâ turritâ, albâ, maculis irregularibus brunneis pictâ, spirâ acuminatâ; anfractibus 7, longitudinaliter costatis et transversim sulcatis, series tres posticas et seriem unicam costellarum granularum anticam efformantibus; aperturâ brevi, latiusculâ.*

From the West Indies; the late G. Humphrey.

COLUMBELLA PUSILLA, nob., Thes. Conch. pl. 40. f. 182, 183.
Col. testâ ovatâ, lævi, albicante, lineis pallidè brunneis pictâ; spirâ subacuminatâ; anfractibus 5-6, subventricosâ; aperturâ latiusculâ, labio externo crassiusculo, intûs obsoletè denticulato; labio interno intûs tuberculo obtuso instructo; canali brevi.

St. Vincent's; the late Rev. L. Guilding.

COLUMBELLA ATOMELLA, Ducl., Thes. Conch. pl. 40. f. 184, 185.
Col. testâ oblongâ, albicante, nonnunquàm pallidè castaneo-unifasciatâ, spirâ acuminatâ; anfractibus 6, longitudinaliter costatis; suturâ crenatâ; ultimo anfractu anticè lævi, supra canalem transversim sulcato; aperturâ angustâ.

West Indies; Rev. L. Guilding.