

DESCRIPTIONS OF TWENTY-NINE SPECIES OF UNIONIDÆ FROM THE
UNITED STATES.

BY ISAAC LEA.

(Read June 4, 1872.)

Unio Tellicoensis.

Testa lævi, subtriangulari, subinflata, inæquilaterali, postice obtuse angulari, antice rotunda; valvulis crassiusculis, antice parum crassioribus; natibus subprominentibus; epidermide crocata, polita; parum radiata; dentibus cardinalibus parvis, crenulatis, conicis; lateralibus curtis, subcrassis subrectisque; margarita salmonis colore tincta et valde iridescente.

Hab. Tellico River, Monroe Co., E. Tenn. Miss A. E. Law.

Unio Conasaugaensis.

Testa lævi, suboblunga, subinflata, inæquilaterali, postice subbiangulari, antice rotundata; valvulis percrassis, antice crassioribus; natibus subprominentibus; epidermide rufo-fusca, eradiata; dentibus cardinalibus parviusculis, subcompressis crenulatisque; lateralibus curtis, crassis, obliquis rectisque; margarita alba et aliquanto iridescente.

Hab. Conasauga Creek, Monroe Co., E. Tenn. Miss A. E. Law.

Unio lenticularis.

Testa lævi, subrotunda, compressa, lenticulari; subæquilaterali, postice obtuse biangulari, antice rotunda; valvulis subtenuibus, antice crassioribus; natibus prominulis; epidermide vel tenebrososusca vel luteo-fusca, obsolete radiata; dentibus cardinalibus parvis, compressis crenulatisque; lateralibus sublongis, lamellatis, corrugatis subcurvatisque; margarita albida et iridescente.

Hab. Tellico River, Monroe Co., E. Tenn. Miss A. E. Law.

Unio Andersonensis.

Testa lævi, triangulari, inflata, ad latere planulata, valde inæquilaterali, postice obtuse angulata, antice oblique rotundata; valvulis percrassis, antice crassioribus; natibus valde elevatis, tumidis recurvatisque; epidermide vel luteola vel fusca, obsolete radiata; dentibus cardinalibus crassis, crenulatis, conicis; lateralibus crassis, curtis subcurvisque; margarita argentea et iridescente.

Hab. Holston River and Clinch River, Anderson Co., E. Tenn. Miss A. E. Law.

Unio flavidus.

Testa lævi, triangulari, subinflata, ad latere planulata, inæquilaterali, postice obtuse angulata, antice rotundata; valvulis subcrassis, antice crassioribus; natibus prominentibus, recurvatis, ad apices minute undulatis; epidermide flavida, radii interruptis; dentibus cardinalibus parvis corrugatisque; lateralibus curtis, subcrassis subcurvisque; margarita argentea et iridescente.

Hab. Clinch River, Anderson Co., E. Tenn. Miss A. E. Law.

Unio pauciplicatus.

Testa plicata, subrotunda, ventricosa, valde inæquilaterali, postice carinata, antice rotundata; valvulis crassis, antice crassioribus; natibus prominentibus, tumidis, recurvatis, ad apices minute undulatis; epidermide rufo-fusca, eradiata; dentibus cardinalibus crassis, elevatis, sulcatis crenulatisque; lateralibus longis, lamellatis, corrugatis curvisque; margarita argentea et valde iridescente.

Hab. Austin, Texas. Prof. C. G. Forshey, Civil Engineer.

Unio vesicularis.

Testa lævi, elliptica, inflata, valde inæquilaterali, postice et antice rotundata, valvulis crassiusculis, antice crassioribus; natibus prominulis; epidermide tenebroso oliva, obsolete radiata; dentibus cardinalibus parvis, sulcatis, in utroque valvulo duplicibus; lateralibus sublongis, lamellatis subrectisque; margarita albida et valde iridescente.

Hab. Lake Ocheechee, Florida. Dr. Budd and C. M. Wheatley.

Unio conspicuus.

Testa lævi, elliptica, subinflata, inæquilaterali, postice obtuse angulata, antice rotundata; valvulis crassis, antice crassioribus; natibus prominulis, ad apices undulatis; epidermide rufo-fusca, perradiata; dentibus cardinalibus parviusculis, crenulatis, compresso-conicis, in utroque valvulo duplicibus; lateralibus prælongis, lamellatis, parum curvatis; margarita conspicua, persalmonia et formoso-iridicente.

Hab. Yadkin River, near Salisbury, N. C. C. M. Wheatley.

Unio Yadkinensis.

Testa lævi, oblonga, compressa, valde inæquilaterali, postice subbiangulata, antice rotundata; valvulis crassis; natibus prominulis; epidermide tenebroso-fusca, eradiata; dentibus cardina-

libus parviusculis, compressis, corrugatis, in utroque valvulo duplicibus; lateralibus longis, lamellatis, corrugatis subcurvisque; margarita vel salmonea vel purpurea et valde iridescente.

Hab. Yadkin River, near Salisbury, N. C. C. M. Wheatley.

Unio brevis

Testa lævi, subtriangulari, subcompressa, ad latere subplanulata, inæquilaterali, postice obtuse biangulata, antice rotundata; valvulis crassiusculis, antice crassioribus; natibus prominulis; epidermide flavida, eradiata; dentibus cardinalibus parviusculis, subcompressis, in utroque valvulo duplicibus; lateralibus lamellatis, parviusculis obliquisque; margarita vel alba vel salmonis colore tincta et valde iridescente.

Hab. Conasauga Creek, Monroe Co., E. Tenn. Miss A. E. Law.

Unio amplus.

Testa lævi, oblonga, fere alata, inflata, inæquilaterali, postice obtuse biangulata, antice rotundata; valvulis crassis, antice crassioribus; natibus subprominentibus; epidermide rufo-fusca, nitida, obsolete radiata, transverse vittata; dentibus cardinalibus parviusculis, rugosis, compressis; lateralibus prælongis, lamellatis; margarita vel alba vel purpurea vel salmonis colore tincta et valde iridescente.

Hab. Irwin's Creek, Micklenberg Co., N. C. C. M. Wheatley.

Unio ligatus.

Testa lævi, ovato-oblonga, subcompressa, inæquilaterali, postice obscure biangulata, antice rotundata; valvulis subcrassis; natibus prominulis; epidermide tenebroso-fusca, polita, obsolete radiata, transverse vittata; dentibus cardinalibus parviusculis, corrugatis et in utroque valvulo duplicibus; lateralibus longis, lamellatis, corrugatis subcurvisque; margarita vel alba vel salmonis colore tincta et valde iridescente.

Hab. Irwin's Creek, Mecklenberg Co.; and Long Creek, Gaston Co., N. C. C. M. Wheatley.

Unio attenuatus.

Testa lævi, lata, attenuata, ad latere subcompressa, valde inæquilaterali, postice subbiangulata, antice oblique rotundata; valvulis crassiusculis, antice parum crassioribus; natibus prominulis, fere terminalibus; epidermide tenebroso-fusca, aliquando nigra, radiata; dentibus cardinalibus parvis, compressis, crenu-

latis, obliquis, in utroque valvulo duplicibus; lateralibus prælongis, lamellatis subrectisque; margarita alba et valde iridescente.

Hab. Savannah River, Geo., Dr. Barratt; and Beaver Creek, Houston Co., Georgia, Dr. J. Lewis.

Unio differtus.

Testa lævi, elliptica, ventricosa, subæquilaterali, postice obtuse biangulari fere rotunda, antice rotundata; valvulis crassis, antice crassioribus; natibus vix prominulis; epidermide subpolita, luteola et obsolete radiata; dentibus cardinalibus parviusculis, corrugatis, compressis et in utroque valvulo duplicibus; lateralibus longis, lamellatis subrectisque; margarita vel albida vel salmonis colore tincta et valde iridescente.

Hab. Georgia? Major J. LeConte.

Unio strumosus.

Testa lævi, rotundata, inflata inæquilaterali, postice obtuse angulata, antice rotundata; valvulis crassis; natibus prominulis; epidermide tenebroso-fusca vel nigra, eradiata; dentibus cardinalibus subgrandibus, rugosis, in utroque valvulo duplicibus; lateralibus, longis, rugosis et curvatis; margarita alba et iridescente.

Hab. Yadkin River, N. C. C. M. Wheatley.

Unio subparallelus.

Testa lævi, oblonga, subcompressa, ad latere planulata, inæquilaterali, postice subangulari, antice rotundata; valvulis crassiusculis, antice parum crassioribus; natibus prominulis, ad apices concentrico-rugoso-undulatis; epidermide tenebroso-fusca, nitida, radiata; dentibus cardinalibus parviusculis, conicis, rugosis, in utroque valvulo duplicibus; lateralibus prælongis, lamellatis subcurvisque; margarita salmonis colore tincta.

Hab. Irwin's Creek and Fox River, N. C. C. M. Wheatley.

Unio oblongus.

Testa lævi, oblonga, compressa, ad latere planulata; valde inæquilaterali; valvulis parum crassioribus; natibus prominulis; epidermide luteola, micanti, radiata vel eradiata; dentibus cardinalibus parvis, lobatis, corrugatis, in utroque valvulo duplicibus; lateralibus prælongis subrectisque; margarita alba vel purpurascenti vel salmonis colore tincta et iridescente.

Hab. Irwin's Creek, N. C. C. M. Wheatley.

Unio Irwinensis.

Testa lævi, suboblonga, parum compressa, ad latere parum planulata, valde inæquilaterali, postice obtuse biangulata, antice rotundata; valvulis subcrassis, antice crassioribus; natibus prominulis, ad apices undulatis; epidermide olivacea vel fusca, obsolete radiata; dentibus cardinalibus subgrandibus, parum compressis, sulcosi, in utroque valvulo duplicibus; lateralibus longisublamellatus subcurvisque; margarita alba vel purpurea vel salmonis colore tincta et valde iridescente.

Hab. Irwin's Creek, N. C. C. M. Wheatley.

Unio curvatus.

Testa lævi, late oblonga, subinflata, ad latere planulata, valde inæquilaterali, postice angulata, antice rotundata; valvulis parum crassis, antice crassioribus; natibus prominulis; epidermide tenebroso-fusca, aliquanto polita, eradiata; dentibus cardinalibus parvis, sulcatis, compressis, in utroque valvulo duplicibus; lateralibus longis, lamellatis subrectisque; margarita pallido-salmonia vel purpurascente et valde iridescente.

Hab. Pfeiffer's Pond, Mecklenberg Co., N. C. C. M. Wheatley.

Unio insolidus.

Testa lævi, oblonga, parum compressa, ad latere parum planulata, inæquilaterali, postice biangulata, antice rotundata; valvulis subtenuibus, antice parum crassioribus; natibus subprominentibus, ad apices undulatis; epidermide pallido-viridi, obsolete radiata; dentibus cardinalibus parvis, compressis; lateralibus longis, lamellatis rectisque; margarita alba et iridescente.

Hab. Abbeville Dist., N. C. Dr. Barratt; and Irwin's Creek, N. C. C. M. Wheatley.

Unio cuspidatus.

Testa lævi, lata, subinflata, ad latere parum curvata, valde inæquilaterali, postice cuspidata, subbiangulari, antice rotundata; valvulis crassiusculis; natibus prominulis, fere terminalibus, epidermide tenebroso-olivacea, eradiata, transverse vittata; dentibus cardinalibus parvis, subcompressis, corrugatis, in utroque valvulo duplicibus; lateralibus longis, lamellatis subcurvisque; margarita alba et valde iridescente.

Hab. Buckhead Creek, Burke Co., Geo. Bishop Elliott.

Unio exacutus.

Testa lævi, præolata, subcompressa, ad latere planulata, valde

inæquilaterali, postice exacuta, subbiangulari, antice oblique rotundata; valvulis crassiusculis; natibus prominulis, fere terminalibus, ad apices minute undulatis; epidermide tenebroso-fusca perradiata; dentibus cardinalibus parvis sulcatisque; lateralibus longis, rectis lamellatisque; margarita vel alba vel purpurea et valde iridescente.

Hab. Savannah River at Governor Hamilton's, Geo. Dr. Barratt.

Unio subsquamosus.

Testa lævi, oblongo-elliptica, compressa, ad latere planulata, valde inæquilaterali, postice obtuse biangulari, antice oblique rotundata; valvulis crassiusculis; natibus parvis, prominulis, ad apices rugoso-undulatis; epidermide tenebroso-fusca, subsquamosa, eradiata; dentibus cardinalibus parvis, sulcatis, in utroque valvulo duplicibus; lateralibus prælongis, lamellatis subrectisque; margarita alba et valde iridescente.

Hab. Yadkin River, N. C. C. M. Wheatley.

Unio rostellum.

Testa lævi, lata, compressa, ad latere planulata, valde inæquilaterali, postice obtuse biangulari, antice rotunda; valvulis tenuibus; natibus parvis; epidermide tenebroso-fusca, obsolete radiata; dentibus cardinalibus compressis, crenulatis, in utroque valvulo duplicibus; lateralibus prælongis, lamellatis rectisque; margarita vel albida vel purpurea et valde iridescente.

Hab. Macon, Georgia. I. C. Plant.

Unio infuscus.

Testa lævi, elliptica, subinflata, inæquilaterali, postice obtuse biangulari, antice rotundata; valvulis crassis, antice crassioribus; natibus prominulis, ad apices parum undulatis; epidermide tenebroso-fusca, submicanti, obsolete radiata; dentibus cardinalibus subcrassis, compressis corrugatisque; lateralibus longis, lamellatis, rugosis subcurvisque; margarita vel salmonia vel purpurascens et valde iridescente.

Hab. Fox River and Irwin's Creek, N. C. C. M. Wheatley.

Unio ratus.

Testa lævi, quadrata, subcompressa, ad latere subplanulata, valde inæquilaterali, postice obtuse angulata, antice rotunda; valvulis subcrassis, antice crassioribus; natibus prominulis; epidermide tenebroso-olivacea, eradiata; dentibus cardinalibus par-

vis, subconicis, sulcosis, in utroque valvulo duplicibus; laterali-
bus sublongis, lamellatis subcurvisque; margarita purpurecente
et valde iridescente.

Hab. Neuse River, N. C. Prof. E. Emmons.

Unio dissimilis.

Testa lævi, sublata, compressa, ad latere planulata, valde
inæquilaterali, postice obtuse angulari, antice rotunda; valvulis
subtenuibus; natibus prominulis; epidermide tenebroso-fusca,
micanti, eradiata; dentibus cardinalibus parviusculis, subcom-
pressis, sulcosis, in utroque valvulo duplicibus; lateralibus
prælongis, lamellatis subrectisque; margarita alba et valde iri-
descente.

Hab. Long Creek, Gaston Co., and Pfeiffer's Pond, Mecklen-
berg Co., N. C. C. M. Wheatley.

Unio bellulus.

Testa lævi, oblique, tumida, ad latere parum planulata, valde
inæquilaterali, postice obtuse angulari, antice oblique rotundata;
valvulis percassis, antice crassioribus natibus pyramidatis, fere
terminalibus; epidermide luteola, valde radiata; dentibus cardi-
nalibus subcrassis, rugosis; lateralibus curtis, crassis rugosisque;
margarita argentea et valde iridescente.

Hab. Holston River. Dr. Edgar. Tenn. River. Rev. G. White.
Mussel Shoals, Tenn. River, Alabama. C. M. Wheatley.

Unio basalis.

Testa lævi, oblonga, subinflata, ad latere subplanulata, inæqui-
laterali, postice obtuse biangulari, antice rotundata, ad basim
recta; valvulis crassiusculis; natibus prominulis; epidermide
luteola, radiata; dentibus cardinalibus parviusculis, subcom-
pressis, sulcatis; lateralibus sublongis, lamellatis subcurvisque;
margarita vel albida vel purpurascens et iridescente.

Hab. Carter's Creek, near Columbus, Georgia. G. Hallenbeck.