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RICHARDSON

Lea  
1871

DESCRIPTIONS OF TWENTY NEW SPECIES OF UNIONES OF THE UNITED STATES.

BY ISAAC LEA.

*Unio* Lawii.

Testa lævi, obliqua, clavæformi, antice tumida, valde inæquilaterali, postice obtuse angulata; valvulis crassis, antice aliquanto crassioribus; natibus prominentibus, fere terminalibus; epidermide flavida, radiis interruptis indutis; dentibus cardinalibus parviusculis, acuminatis crenulatisque; lateralibus sublongis, subcurvis lamellatisque; margarita argentea et iridescente.

*Hab.* Tennessee River, Tuscumbia, Alab., B. Pybas. Tenn. River, Dr. Edgar. Holston River, Miss A. E. Law and Prof. Cope.

*Unio* appressus.

Testa lævi, triangulari, securiformi, valde inæquilaterali, antice rotundata, postice subangulata; valvulis crassiusculis, antice aliquanto crassioribus; natibus prominentibus; epidermide flavida, radiis interruptis postice indutis; dentibus cardinalibus parviusculis, compressis crenulatisque; lateralibus sublongis, curvis lamellatisque; margarita argentea et aliquanto iridescente.

*Hab.* Tuscumbia, Alab., B. Pybas and J. G. Anthony. Holston River, Miss Law and C. M. Wheatley.

*Unio* validus.

Testa lævi, triangulari, inflata, inæquilaterali, antice rotunda, postice obtuse angulata; valvulis crassis, antice aliquanto crassioribus; natibus prominentibus, ad apices undulatis; epidermide olivacea, valde radiata; dentibus cardinalibus crassis, compressis crenulatisque; lateralibus sublongis, crassis subcurvisque; margarita argentea et iridescente.

*Hab.* Duck River, Tenn., Dr. Powell. Clinch River, Pres. Estabrook. Holston River, Dr. Edgar and Miss Law.

*Unio* litus.

Testa lævi, elliptica, subcompressa, inæquilaterali, antice rotundata, postice subbiangulata; valvulis subtenuibus, antice crassioribus; natibus prominulis; epidermide crocea, eradiata; dentibus cardinalibus parvis compressisque; lateralibus sublongis, sub-

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curvis lamellatisque; margarita salmonis colore tincta et elegantissime iridescente.

*Hab.* Cahaba River, Shelby Co., Alab., E. R. Schowalter, M.D.

*Unio simulans.*

Testa lævi, obliqua, subcompressa, inæquilaterali, antice rotundata, postice obtuse angulata; valvulis crassiusculis, antice crassioribus; natibus prominulis; epidermide tenebroso-fusca, eradiata; dentibus cardinalibus parvis, compressis crenulatisque; margarita alba et iridescente.

*Hab.* Cahaba River, Shelby Co., Alab., E. R. Schowalter, M.D.

*Unio Cahabensis.*

Testa valde tuberculata, quadrata, compressa, subæquilaterali, antice rotunda, postice truncata; valvulis subcrassis, antice crassioribus; natibus subprominentibus; epidermide crocea, eradiata; dentibus cardinalibus subgrandis, compressis crenulatisque; margarita salmonis colore tincta et elegantissime iridescente.

*Hab.* Cahaba River, Shelby Co., Alab., E. R. Schowalter, M.D.

*Unio acuens.*

Testa lævi, triangulari, compressa, valde inæquilaterali, antice rotundata, postice subbiangulata; valvulis crassiusculis, antice crassioribus; natibus prominentibus; epidermide luteola, radiis interruptis; dentibus cardinalibus subcrassis, subcompressis crenulatisque; lateralibus subcrassis, brevis subrectisque; margarita alba et iridescente.

*Hab.* Holston River, near Concord, E. Tenn., Miss Law.

*Unio crudus.*

Testa lævi, subrotunda, compressa, inæquilaterali, antice rotunda, postice obtuse angulata; valvulis subcrassis, antice crassioribus; natibus prominentibus; epidermide rugosa, tenebroso-fusca, eradiata; dentibus cardinalibus subgrandibus, subcompressis crenulatisque; lateralibus crassis, subbrevis subcurvisque; margarita argentea et parum iridescente.

*Hab.* French Broad River, E. Tenn., Pres. Lindsley. Swamp Creek, Murray Co., Geo., Maj. Downie. Holston River, Miss Law and C. M. Wheatley.

*Unio Tuscumbiensis.*

Testa lævi, triangulari, tumida, ad latere planulata, inæquilaterali, antice subtruncata, postice obtuse angulata; valvulis

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crassis, antice crassioribus; natibus mide luteo-oliva, perradiata; dentibus subcompressis crenulatisque; later rectisque; margarita argentea et iri

*Hab.* Tuscumbia, Alab., L. B. Th  
E. Tenn., Dr. Edgar.

*Unio dispansus.*

Testa lævi, elliptica, subinflata, rotunda, postice obtuse angulata; crassioribus; natibus prominulis, f tenebroso-olivacea, perradiata; denti tuberculatis et in utroque valvulo longis, lamellatis subrectisque; m iridescente.

*Hab.* East Tennessee, Dr. Edgar.

*Unio Pealei.*

Testa lævi, rotunda, valde inflata laterali, antice et postice rotunda crassioribus; natibus elevatis, tum luteo-olivacea, dilute perradiata; de culis, subconicis; lateralibus longis garita argentea et iridescente.

*Hab.* Topeka, Kansas, Chas. W. I

*Unio globatus.*

Testa lævi, globosa, valde inæquilaterali, antice crassioribus; natibus valde inflatide tenebroso-fusca; dentibus cardinalibus curtis, crassioribus; margarita argentea et iridescente.

*Hab.* Holston River, Dr. Edgar.

*Unio subglobatus.*

Testa lævi, suborbiculata, inæquilaterali, natibus tumidis, elevatis, incurvis; ad apices maculata et radiata; dentibus culis, compressis sulcatisque; lateralibus gatisque; margarita argentea et iridescente.

*Hab.* Florence, Alab., B. Pybas.

B. Lindsley

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crassis, antice crassioribus; natibus elevatis, subretusis; epidermide luteo-oliva, perradiata; dentibus cardinalibus parviusculis, subcompressis crenulatisque; lateralibus curtis, subcrassis subrectisque; margarita argentea et iridescente.

*Hab.* Tuscumbia, Alab., L. B. Thornton, Esq. Holston River, E. Tenn., Dr. Edgar.

*Unio dispansus.*

Testa lævi, elliptica, subinflata, valde inæquilaterali, antice rotunda, postice obtuse angulata; valvulis crassiusculis, antice crassioribus; natibus prominulis, fere terminalibus; epidermide tenebroso-olivacea, perradiata; dentibus cardinalibus parviusculis, tuberculatis et in utroque valvulo duplicibus; lateralibus prælongis, lamellatis subrectisque; margarita purpurea et valde iridescente.

*Hab.* East Tennessee, Dr. Edgar.

*Unio Pealei.*

Testa lævi, rotunda, valde inflata, subglobosa, valde inæquilaterali, antice et postice rotundata; valvulis crassis, antice crassioribus; natibus elevatis, tumidis, subretusis; epidermide luteo-olivacea, dilute perradiata; dentibus cardinalibus parviusculis, subconicis; lateralibus longis crassis subrectisque; margarita argentea et iridescente.

*Hab.* Topeka, Kansas, Chas. W. Peale.

*Unio globatus.*

Testa lævi, globosa, valde inæquilaterali; valvulis crassis, antice crassioribus; natibus valde inflatis, parum elevatis; epidermide tenebroso-fusca; dentibus cardinalibus percrassis et valde corrugatis; lateralibus curtis, crassis, parum curvatis corrugatisque; margarita argentea et iridescente.

*Hab.* Holston River, Dr. Edgar. Etowah River, Geo., Thos. Bland.

*Unio subglobatus.*

Testa lævi, suborbiculata, inæquilaterali; valvulis percrassis; natibus tumidis, elevatis, incurvis; epidermide tenebroso-fusca, ad apices maculata et radiata; dentibus cardinalibus parviusculis, compressis sulcatisque; lateralibus crassis, curvatis corrugatisque; margarita argentea et iridescente.

*Hab.* Florence, Alab., B. Pybas. Nashville, Tenn., Pres. J. B. Lindsley. 1871.]

*Unio recurvatus.*

Testa lævi, rotundata, valde inflata, valde inæquilateralis; antice rotundata, postice obtuse angulata; valvulis crassis, antice crassioribus; natibus valde prominentibus et recurvatis; epidermide fusca, eradiata; dentibus cardinalibus parvis, crassis sulcatisque; lateralibus percrassis, curtis, subcurvis corrugatisque; margarita argentea et iridescente.

*Hab.* Tenn. River, J. G. Anthony. Holston River, E. Tenn., Miss Law.

*Unio obuncus.*

Testa lævi, triangulari, subinflata, ad basim arcuata, inæquilateralis, antice rotunda, postice obtuse angulata; valvulis crassis, antice crassioribus; natibus prominentibus; epidermide dilute oliva, perradiata; dentibus cardinalibus parvis corrugatisque; lateralibus crassis, lamellatis corrugatisque; margarita argentea et iridescente.

*Hab.* Tuscumbia, Alab. Holston River, E. Tenn., Miss Law.

*Unio radiosus.*

Testa lævi, subtriangulari, subinflata, subequilateralis, antice rotundata, postice obtuse angulari; valvulis crassiusculis, antice parum crassioribus; natibus prominentibus; epidermide luteo-oliva, perradiata; dentibus cardinalibus parvis, compressis crenulatisque; lateralibus subcrassis, lamellatis subrectisque; margarita alba et iridescente.

*Hab.* Holston River, E. Tenn., C. M. Wheatley and Miss Law.

*Unio circumactus.*

Testa lævi, rotundata, ad apices inflata, ad basim compressa, inæquilateralis; valvulis crassis, antice crassioribus; natibus elevatis recurvatisque; epidermide vel rufo-fusca vel castanea, maculata et radiata; dentibus cardinalibus crassis, subcompressis sulcatisque; lateralibus percrassis, subcurvis corrugatisque; margarita argentea et valde iridescente.

*Hab.* Florence, Alab., Rev. G. White. Holston River, Miss Law.

*Unio radiolus.*

Testa lævi, elliptica, subinflata, valde inæquilateralis, antice rotunda, postice obtuse angulata; valvulis crassiusculis; natibus prominulis, fere terminalibus; epidermide brunnea, valde radiata;

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dentibus cardinalibus parvis, subcurvis longis, lamellatis subcurvisque.

*Hab.* Ogeechee River, Liberty Co

*Unio pattinoides.*

Testa lævi, obliqua, subcompressa, rotundata, postice obtuse angulata, crassioribus; natibus subprominentibus, dermide luteo-brunnea, maculata; subcompressis corrugatisque; marg

*Hab.* Clinch River, Pres. Est. Edgar and Miss Law.

*Unio Santeeensis.*

Testa lævi, suboblunga, subinflata, rotundata, postice obtuse biangua, natibus prominulis, ad apices in tenebroso-fusca, nitida et valde parvis, compressis et in utroque longis subcurvisque; margarita vincta et iridescente.

*Hab.* Santee Canal, S. C., Dr. F. Major J. Le Conte.

dentibus cardinalibus parvis, subcompressis crenulatisque; lateralibus longis, lamellatis subcurvisque; margarita alba et iridescente.

*Hab.* Ogeechee River, Liberty Co., Geo., Major John Le Conte.

*Unio pattinoides.*

Testa lævi, obliqua, subcompressa, valde inæquilaterali, antice rotundata, postice obtuse angulata; valvulis subcrassis, antice crassioribus; natibus subprominentibus, fere terminalibus; epidermide luteo-brunnea, maculata; dentibus cardinalibus parvis, subcompressis corrugatisque; margarita argentea et iridescente.

*Hab.* Clinch River, Pres. Estabrook. Holston River, Dr. Edgar and Miss Law.

*Unio Santeõnsis.*

Testa lævi, suboblunga, subinflata, valde inæquilaterali, antice rotundata, postice obtuse biangulata; valvulis crassiusculis; natibus prominulis, ad apices minute undulatis; epidermide tenebroso-fusca, nitida et valde radiata; dentibus cardinalibus parvis, compressis et in utroque valvulo duplicibus; lateralibus longis subcurvisque; margarita vel purpurea vel salmonis colore tineta et iridescente.

*Hab.* Santee Canal, S. C., Dr. Foreman. Oconee River, Geo., Major J. Le Conte.

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