

Resolved, That the Academy, in the death of Thomas Nuttall, one of its oldest Correspondents, is deprived of one of its brightest ornaments, and the members of one of their most distinguished associates.

Resolved, That the Academy has the highest appreciation of the learning, and assiduous investigations of its late Correspondent, in the wide field of American Botany, for which he has done so much.

Resolved, That while we had been deprived of his presence among us for a few years past, after so long a residence in this country, we nevertheless constantly held him in our memory, as one of the brilliant stars which illuminated our scientific horizon.

October 25th.

MR. LEA, President, in the Chair.

Thirty-three members present.

The report of the Biological Department for the present month was read.

On report of a Committee of the Biological Department, the paper entitled, Upon the Production of Cataract in Frogs by the injection of large doses of sugar, by S. W. Mitchell, M. D., was recommended for publication in a medical journal.

The following papers were ordered to be printed in the Proceedings :

Description of a New Species of UNIO from the Isthmus of Darien.

BY ISAAC LEA.

UNIO AVERYI.—Testâ sulcatâ, subtriangulari, subventricosâ, inæquilaterali, posticé obtusé angulatâ, anticé subrotundatâ; valvulis crassis, anticé crassioribus, natibus subprominentibus; epidermide rufè-fuscâ, eradiatâ; dentibus cardinalibus subcrassis, suberectis, valdè crenulatis; lateralibus crassis subrectisque; margaritâ albâ et iridescente.

Hab.—Isthmus of Darien. Mr. Frederick Avery, per J. G. Cooper, M. D.

Additions to the Coleopterous Fauna of Northern California and Oregon.

BY JOHN L. LE CONTE, M. D.

For the purpose of rendering the list of Coleoptera of North-western America, published by me in the 11th volume of the Pacific R. R. Explorations and Surveys, complete up to the present time, I have prepared this memoir on the new species and synonyms observed since the printing of that memoir in June, 1857. The catalogue portion of this paper will be inserted in the edition of the above mentioned 11th volume, published for the authors, which will thus contain a catalogue of all the species of Coleoptera known at present, from western America, north of San Francisco.

Descriptions of new species.

Bembidium aptum, nigro-æneum, parum convexum, nitidum, thorace latitudine plus sesqui breviorè antice angustato, lateribus rotundatis, angulis posticis paulo obtusis, basi utrinque bifoveato, elytris striis 4 vel 5 internis punctatis postice oblitteratis, interstitio 3io bipunctato, humeris acutis, stria marginali postice remota, antice confluenta. Long. .25.

Oregon, Mr. Davidson. Very nearly allied to *B nitidum*, but is larger and has the striæ of the elytra more finely punctured. The tibiæ and tarsi are wanting, but from the dark brownish color of the thighs I should infer that they were piceous,

1859.]

Colymbetes densus, elongatus ovalis, postice paulo minus attenuatus, supra pallide flavus, capite nigro, antice flavo, macula verticali flavo, thorace rugis dædaleis minus subtilibus insculpto, macula media picea valde transversa, elytris strigis profundis nigris valde approximatis, subtus rufo-piceus, suturis, pedumque marginibus flavis. Long. .64.

One male, Steilacoom, Mr. Gibbs. Similar in form to *C. sculptilis*, but less attenuated behind; with the transverse lines of the elytra yet deeper and more approximate: these lines are black, and therefore the elytra appear gray, but the pure pale yellow color appears at the side, suture and base: there is besides a black spot on each about one-fourth from the tip.

Necrophilus longulus, ellipticus, elongatus, nigro-piceus, nitidus, thorace latitudine vix sesqui brevior, æqualiter convexo, parce punctato, lateribus late rotundatus anguste marginatis, antrorsum paulo angustato, angulis posticis subrectis, fovea posticis utrinque prope angulum impressa, elytris striis crenatis, interstitiis 3io, 5to et 7mo punctis paucis impressis, antennis thorace haud longioribus, extrorsum incrassatis. Long. .18.

One specimen, (female) from Table Mountain, below San Francisco, California, collected by Mr. George Davidson. Very different by its narrow form, and by the sides of the thorax not being depressed, from all the other species seen by me.

Catops pusio, ovalis, fuscus, helvo-pubescent, thorace latitudine plus sesqui brevior, lateribus rotundatis, angulis posticis subrectis, subtiliter dense strigoso, elytris postice rotundatis, transversim strigosis, stria suturali antice vix abbreviata; palpis antennarum basi apiceque flavis. Long. .06.

Punto de los Reyes, California; Mr. Davidson. The antennæ are a little longer than the thorax, and moderately clavate. The mesosternum is strongly carinate.

Anisotoma morula, ovalis, convexa, piceo-nigra, nitida, thorace antrorsum angustato, lateribus obliquis parum rotundatis, disco parce subtiliter punctulato, elytris subtilius seriatim punctatis, interstitiis subtiliter parce punctatis, alternis punctis paucis majoribus impressis. Long. .11.

One specimen, Punto de los Reyes, California; Mr. Davidson. Of the size of *A. indistincta* Lec. but narrower, with the sides of the thorax less rounded, and having the striæ of the elytra composed of small close set punctures. The thorax is not quite twice as wide as its length at base, and diminishes gradually to the apex, where it is only a little wider than its length: the transverse impression near the base each side is as distinct as in the other species.

Lasconotus complex, linearis, sordide atra, opaca, capite concavo, thorace latitudine fere longiore, quadrato, lateribus paulo undulatis, parallelis, rude granulato, margine antico costisque utrinque duabus elevatis, interna apice et basi breviter dislocata, disco excavato, elytris margine, sutura, costisque utrinque 4 elevatis, interstitiis biserialim cribratis. Long. .15.

Punto de los Reyes, one specimen. A most interesting addition to our fauna. The genus was founded by Erichson upon a nondescript Mexican species; his description is quoted by Lacordaire, who had no opportunity of examining it in nature. It will be at once recognized by its concave head and three-jointed club of the antennæ.

Odontæus obesus, rotundato-ovatus, valde convexus, piceo-niger, nitidus, thorace basi rotundata, versus angulos vix sinuata, angulis posticis rectis, elytris striis fortiter crenatis, antennis piceis. Long. .45.

Femina. capite dense rugose punctato, tuberculo parvo frontali, plicaque verticali signato; thorace punctato, tuberculis duobus anticis plicaque transversa munito. Mas latet.

Table Mountain, below San Francisco; Mr. Davidson. Very much larger
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than any of the other species of the genus. The male is one of the finest entomological prizes which will reward the collector in Western America. Differs from our other two species by the color, and by the base of the thorax being less sinuate, whereby the posterior angles become more rectangular.

Lachnosterna errans, fusco-ferruginea, oblongo-ovata, convexa, capite fortiter haud confluent punctato. clypeo fortiter marginato, fere integro, thorace antice angustato sat dense punctato, lateribus angulatis, longe ciliatis, elytris haud costatis fortius punctatis, pygidio parce subtiliter punctato, pectore longe villosa, unguiculis dente mediocri armatis. Long. .70.

One male. Contra Costa, California; Mr. J. Child. Resembles closely in form and sculpture *L. cephalica* Lec., Journ. Acad. Nat. Sci. Phila., 2d series, 3, 245, but the sides of the thorax are fringed with long hairs, angulated at the middle and then narrowed with a concave outline to the apex: the clypeus is scarcely emarginate. The antennæ are 10-jointed, the club is as long as the basal portion; the penultimate ventral segment has a transverse crest concave posteriorly, and finally the fixed spur of the posterior tibiæ is very short, the moveable one about twice as long, curved, flattened and sub-obtuse.

Dichelonycha pallens, breviscula, testacea, parce pubescens, clypeo reflexo, angulis rotundatis, thorace latitudine duplo brevior, apice fere truncato, antice angustato, lateribus valde rotundatis, medio subangulatis, angulis posticis valde obtusis, confluent dense punctato, elytris punctatis subcostatis, antennarum clava nigro-picea. Long. .30.

One specimen, Punto de los Reyes. Resembles *D. testacea* Kirby, but is much smaller, comparatively wider, the clypeus less rounded at apex, the thorax more rounded on the sides, with the posterior angles more obtuse.

Adelocera rorulenta, rufo-picea, punctata, nigro-squamosa, squamisque aureis parce conspersa, thorace latitudine paulo longior, late profunde canaliculato, ante medium magis angustato, lateribus rotundatis, angulis posticis planis haud divergentibus, elytris depressis vix obsolete striatis, tarsorum anticorum sulcis parum distinctis. Long. .59.

Steilacoom, Dr. Suckley, one specimen. Resembles *A. aurorata*, and in the absence of a specimen for comparison, was incorrectly referred by me to that species (P. R. R. Expl. xi. 18.); it is, however, less elongated, with the posterior angles of the thorax not divergent, and the tarsal grooves on the under surface of the prothorax are much less apparent.

Dasyllus Davidsonii, fusco-piceus, dense pubescens, confertissime punctulatus; thorace latitudine plus duplo brevior, antrorsum angustato, lateribus rotundatis, basi late bisinuato, elytris striis approximatis, punctatis antice oblitteratis, antennis valde serratis, articulo 3io sequenti æquali. Long. .48—.52.

Punto de los Reyes, Mr. Davidson, to whom I take great pleasure in dedicating this fine species. It differs from those previously described by the strongly serrate antennæ; these organs are half the length of the body in the female, and a little longer in the male; the second joint is small, the third, fourth and fifth are triangular, and nearly as wide as long; the following ones gradually diminish in breadth; the eleventh is oval elongate and constricted at the end. The last segment of the abdomen is marked towards the base with a semicircular impression, with the concavity behind, as though it were formed by the union of two segments.

Charopus moërens, nigro-virescens, alutaceus opacus, tenuissime pubescens, thorace latitudine sublongior, ovato, postice subangustato, margine pone medium anguste testaceo, postice transversim vage impresso, elytris (feminæ) elongatis postice sensim latioribus, apice rotundatis, abdomine paulo brevioribus. Long. .13.

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One specimen, Punto de los Reyes, Mr. Davidson. The first example of the occurrence of the genus upon this continent. The head is slightly wider than the thorax: the latter is feebly sinuate on the sides behind, the elytra are more distinctly green, they are twice as long as the head and thorax united, and nearly cover the abdomen, which is subacute at tip. The antennæ are half as long as the body, with the second joint a little shorter than the third.

Anobium gibbicolle, fuscum, pube subtilissima sericans, valde elongatum, thorace latitudine fere sesqui longiore, antice angustatum, lateribus sinuatis, apice basique rotundato, medio utrinque ad latera oblique profunde impresso, disco postice medio valde elevato, ad angulos posticos profunde impresso, angulis rotundatis marginatis, elytris, thorace latioribus striis punctatis interstitiis paulo convexis. Long. .22.

One specimen, Punto de los Reyes: Mr. Davidson. Belongs to the division having 11-jointed antennæ: the joints 4-8 are very small; the 3d is a little longer; the 2d is longer and thicker, though not as large as the basal joint: the 9th, 10th and 11th are equal, narrow, and each one is as long as the joint 3-8 together. The body is still narrower than in *A. foveatum* Kirby, and the posterior angles of the thorax are rounded: the sides near the anterior angles are emarginate, so that the latter become distinct, though deflexed: the eyes are small and convex, and the head is transversely impressed just behind them.

Anobium punctulatum, rufo-testaceum, cylindrico-ovale, pubescens, capite confertim punctato, thorace brevi æqualiter convexo, lateribus rotundatis late marginatis, confertim punctulato, elytris thorace haud latioribus sat dense punctulatis; antennis articulis 3 ultimis singulatim præcedentibus duobus æqualibus. Long. .13-18.

Two specimens, Punto de los Reyes. Very similar to *A. convexifrons* Mels., but differs by the punctures of the elytra being less close. The antennæ as in it are 11-jointed: the joints 2, 4, 6 and 8 are a little shorter than the others, the 9th, 10th and 11th are each equal to the 7th and 8th together.

Helops opacus, apterus, ater opacus, capite thoraceque densissime punctatis, hoc latitudine sesqui brevior, modice convexo, lateribus tenue marginatis rotundatis, postice subangustato, basi truncato, angulis posticis subrectis, elytris connatis oblongo-ovatis, convexis, thorace paulo latioribus, postice valde declivibus, punctis oblongis striatis, interstitiis haud convexis, rugosis et confertim punctatis. Long. .53.

One specimen, Sacramento, California, given me by Mr. Rathvon. The three joints of the anterior and middle tarsi are densely hairy beneath, but scarcely dilated.

Hypulus fulminans, elongatus piceus, parce pubescens, sat dense profunde punctatus, thorace latitudine haud brevior, lateribus rotundatis, angulis posticis subobtusis, basi utrinque late et profunde foveato, elytris fasciis tribus valde angulatis, lma obliqua, intus cum secunda connexa, maculaque magna ante apicali pallidis, antennis fuscis basi testaceis, femoribus tibiisque medio fuscis. Long. .21.

Oregon. Mr. Davidson. This species so resembles in its characters *Dircea Holmbergii* Mann., Bull. Mosc., 1852, 347, that I cannot help suspecting that they are identical. A renewed examination of Mannerheim's type would be necessary, however, before such a suggestion could be admitted.

Notoxus sparsus, elongatus, testaceus nitidus, pallide pubescens, capite thoraceque rufo-tinctis, hoc globoso, cornu elongato, apice fortiter marginato et concavo, crista subito elevata, supra marginata et paulo concava, elytris thorace paulo latioribus, parcius subtiliter punctatis, gutta utrinque subcu-

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tellari, altera ante medium versus latera, fasciaque lata communi postica ad suturam angulata nigris. Long. .13.

Punto de los Reyes, two specimens: Mr. Davidson. Narrower than *N. cavicornis*, with the elytra only sparsely punctulate. The lateral spot of the elytra is absent in one specimen. The margin of the horn has only two or three indistinct serratures.

Salpingus alternatus, æneo-niger nitidus, capite thoraceque sat dense punctatis, hoc ovato, latitudine paulo longiore, postice angustiore, vage inæquali, elytris striis fortius punctatis, haud impressis, interstitiis 3, 5 et 7 punctis paucis notatis; rostro capite brevior, fronte concava, antennis piceis basi testaceis. Long. .13.

Punto de los Reyes, one specimen. Of the same form and size as *S. virescens* Lec., but with the striæ of punctures of the elytra more plainly marked, and without the interstitial rows of equally large punctures, which are so obvious in that species.

Cossonus scrobiculatus, niger nitidus, elongatus, rostro punctato, ad apicem subito parum dilatato, capite fere lævi, thorace latitudine longiore, antrorsum angustato, lateribus late rotundatis, rude punctato, dorso postice paulo deplanato, medio subcarinato, elytris convexis, cylindricis, thorace paulo latioribus, striis cribrosis, interstitiis striis haud latioribus. Long. .20.

Punto de los Reyes, Mr. Davidson. The rostrum has an oblong impression at the middle, and the front is marked with a small fovea.

Hylesinus nebulosus, elongatus, piceo-niger opacus, setulis brevissimis adpersus, capite confertim punctato, transversim biimpresso, thorace latitudine paulo brevior, antrorsum sensim angustato, lateribus antice sinuatis, apice late subtubulato, squamulis nigris oblecto, elytris thorace parum latioribus, striis tenuibus punctatis, squamulis nigris cinereisque tessellatis. Long. .13.

Table Mountain, California, one specimen, Mr. Davidson. Very distinct from any other that I have seen.

Callidium infusatum, elongatum, fusco-piceum parce pubescens, capite dense punctulato, thorace latitudine paulo brevior, lateribus rotundatis, dense punctato, linea dorsali lævi, elytris sat dense minus subtiliter punctatis, abdomine pedibusque testaceis. Long. .43.

Punto de los Reyes. Similar to *C. æreum* Newman, but differs by the head being finely punctured, the thorax more densely punctured, and by the abdomen being testaceous.

Brothylus conspersus, nigro-piceus, pube brevi griseo-sordida densa variegatus, thorace latitudine haud brevior, lateribus subrotundatis vix obsolete tuberculatis, postice sinuatis, rude parce varioloso, callo utrinque discoideo alteroque postico parvis, elytris thorace latioribus, granulis elevatis, punctisque minus densis, postice sensim subtilioribus; fasciis duabus vagis obliquis minus pubescentibus. Long. .73—.77.

Oregon, Mr. Davidson and Dr. Kennerly. Similar to *B. gemmulatus* Lec., Proc. Acad., 1859, 80, but differs by the lateral tubercles of the thorax being obsolete. The antennæ of the male are as long as the body, those of the female one-fourth shorter.

Chrysomela sigmoidea, nigro-ænea, oblongo-rotundata, thorace sat dense, ad latera fortius punctato, elytris thorace parum latioribus albo-testaceis, sat dense punctatis, sutura, vitta confluenta antice breviter discreta, vittis duabus curvatis, interiore antice, exteriori postice abbreviatis, guttisque externis paucis nigro-æneis. Long. .32.

Oregon; a specimen kindly given me by Mr. Henry Ulke. More nearly allied by its markings to *C. dislocata* Rogers than to any other of our species, but differing by the much wider thorax, and more dense punctures 1859.]

both of thorax and elytra, as well as by the markings of the latter. The inner curved stripe extends from one-sixth from the base to one-third from the apex; the outer one is contiguous to it, connected with a humeral spot, and abbreviated behind at the middle.

Haltica æruginosa, oblongo-ovalis, modice convexa, obscure cuprea, subnitida, thorace convexo, subtilissime punctulato, linea transversa postica obsoleta, antrorsum subangustato, lateribus parum rotundatis, elytris thorace latioribus, dense punctulatis. Long. .16.

San Francisco, one specimen.

Haltica evicta, oblongo-ovalis, minus convexa, cuprea, nitida, thorace punctulato, linea transversa postica subtili distincta, versus angulos posticos foveato, antrorsum subangustato, lateribus parum rotundatis, elytris thorace latioribus, subtiliter punctatis striis nonnullis obsoletissimis, sulcoque versus latera parum distincto. Long. .20.

Sacramento, one specimen; Mr. Rathvon.

Haltica tincta, oblongo-ovalis, modice convexa, nigro-ænea nitida, thorace convexo, parce obsolete punctulato, linea transversa postica tenui, antrorsum angustato, lateribus paulo rotundatis, elytris thorace latioribus, sat dense punctatis. Long. .20—.22.

Table Mountain, below San Francisco, Mr. Davidson: two specimens. These three species belong to the division Graptodera Chevr.

Dibolia ovata, ovata, convexa, nigro-ænea, nitida, subtiliter punctulata, elytris seriebus punctorum subtilibus postice haud distinctis, antennis nigris basi testaceis, tibiis tarsisque anterioribus testaceis, femoribus obscuris. Long. .12.

One specimen, Punto de los Reyes. The posterior thighs are black, and the tibiæ and tarsi dark brown. Broader and more ovate than *D. ærea* Mels., with the rows of punctures of the elytra very fine, not impressed, and obliterated behind.

Luperus smaragdinus, elongatus, cyaneo-viridis, antennis nigris basi fuscis, thorace convexo, quadrato, lateribus paulo rotundatis, anticis prominulis rotundatis, parce subtiliter punctulato, elytris sat dense punctulatis. Long. .23.

Punto de los Reyes, three specimens, Mr. Davidson. Resembles *L. varipes* Lec. but differs by the entirely black legs, and by the thorax being much less densely punctulate. The second and third joints of the antennæ together are equal to the fourth; the third is one half longer than the second.

Coccinella melanopleura, ovalis, modice convexa, capite thoraceque haud dense punctulatis, illo maculis duabus albis, hoc limbo antico, lateribus late (macula nigra inclusa) lineola apicali, maculisque duabus basalibus albis, scutello nigro, elytris ferrugineis, confertim subtiliter punctatis; subtus nigra, tibiis tarsisque fusco-testaceis. Long. .21.

Table Mountain, Mr. Davidson, one specimen. Closely resembles the varieties of *C. picta*, with immaculate elytra, but differs by the body being entirely black beneath, and by the elytra being more finely punctured. It is probable that varieties will occur with white thorax having black spots, and also with elytral markings.

Coccinella barda, hemisphærica, capite punctulato, albo, postice nigro, thorace parce punctulato, nigro, macula magna utrinque, limboque antico albis, elytris subtiliter dense punctatis, ferrugineis, fascia transversa communipone basin nigris, scutello, suturaque ad basin nigris; subtus nigra, epimeris albis. Long. .21.

Punto de los Reyes, one specimen, Mr. Davidson. There is no trace of any posterior spots on the elytra: the band stops on the humerus, and is slightly widened there.

List of Species.

CARABIDÆ.

LEBIA Latr.

- cupripennis Boh., Eugenes Resa, 7, 'Cal.
 angulata Boh., ibid. 'Cal.
 an potius Rhombodera?

DROMIUS Bon.

- quadricollis Lec., Pr. Acad. Nat. Sci. 1859, 82, Or.

CYMINDIS Latr.

- abstrusa Lec., Pr. Acad. Nat. Sci. 1859, 82, Or.

PLATYNUS Bon. (emend. Brulle.)

- bembidioides Lec., Or.
Sericoda bembidioides Kirby.

ANISODACTYLUS Dej.

- semipunctatus Lec., Pr. Acad. Nat. Sci. 1859, 83, Or. Cal.

AGONODERUS Dej.

- rugicollis Lec., Pr. Acad. Nat. Sci. 1859, 83, Cal.

BADISTER Clairv.

- anthracinus Lec., Pr. Acad. Nat. Sci. 1859, 83, Or.

CHLÆNIUS Bon.

- simillimus Chaud., Bull. Mosc. 1856, 2, 283, 'Cal.
Chlænius vicinus† Mann.

BEMBIDIUM Illiger.

- erasum Lec., Pr. Acad. Nat. Sci. 1859, 83, Or.
 obliquulum Lec., ibid., Cal.
aptum Lec., Pr. Acad. Nat. Sci. 1859, 281.

NEBRIA Latr.

- livida Lec., Pr. Acad. Nat. Sci., 1859, 84, Or.

DYTISCIDÆ.

COLYMBETES Clairv.

- densus Lec., Pr. Acad. Nat. Sci. 1859, 282, Or.

SILPHALES.

SILPHA Linn.

- trituberculata Lec., R.
Oiceoptoma trituberculatum Kirby.
Silpha sagax Mann.

NECROPHILUS Latr.

- tenuicornis Lec., Pr. Acad. Nat. Sci. 1859, 84, Or.
 longulus Lec., ibid., 282, Cal.

CATOPS Payk.

- pusio Lec., Pr. Acad. Nat. Sci. 1859, 282, Cal.

ANISOTOMA Fabr.

- morula Lec., Pr. Acad. Nat. Sci. 1859, 282, Cal.
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STAPHYLINIDÆ.

PHILONTHUS Leach.

varicolor Boh., Eug. Resa, 29, 'Cal.

SUNIUS Leach.

trinotatus Boh., Eug. Resa, 32, 'Cal.

PÆDERUS Fabr.

cæruleipennis Boh., Eug. Resa, 33, 'Cal.

STENUS Latr.

chalybæus Boh., Eug. Resa, 33, 'Cal.

PHALACRIDÆ.

OLIBRUS Er.

aquatilis Lec., Pr. Acad. Nat. Sci. 8, 17, Cal.
piceus Boh., Eug. Resa, 38.

HISTERIDÆ.

HISTER Linn.

sellatus Lec., Pac. R. R. Rep. 47°, xi, 35, Cal.
Senevillii Mars., Ann. Ent. Fr. 3d ser. 5, 422,, tab. 10, f. 119'.

NITIDULIDÆ.

RHYZOPHAGUS Herbest.

puncticollis Boh., Eug. Resa, 39, 'Cal.

TROGOSITIDÆ.

PELTIS Kug.

serrata Lec., Pr. Acad. Nat. Sci. 1859, 84, Or.

COLYDII.

AULONIUM Er.

æquicolle Lec., Pr. Acad. Nat. Sci. 1859, 84, Cal.

LASCONOTUS Er.

complex Lec., Pr. Acad. Nat. Sci. 1859, 282, Cal.

CUCUJIDÆ.

PSEUDOPHANUS Lec.

signatus Lec., Pr. Acad. Nat. Sci. 1859, 85, Or.

SCARABÆIDÆ.

CERUCHUS M'Leay.

striatus Lec., Pr. Acad. Nat. Sci. 1859, 85, Or.

PHOBETUS Lec.

comatus Lec., Journ. Acad. Nat. Sci. 2d, 3, 225, Cal.
Tryssus? *comatus* Lec., Pac. R. R. 47°, xi, 38,

POLYPHYLLA Harris.

crinita Lec., Journ. Acad. Nat. Sci. 2d, 3, 230, Or. Cal.

LACHNOSTERNA Hope.

errans Lec., Pr. Acad. Nat. Sci. 1859, 283, Cal.

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DICHELONYCHA Kirby.

pallens Lec., Pr. Acad. Nat. Sci. 1859, 283, Cal.

SERICA M. L.

serotina Lec., Journ. Acad. Nat. Sci. 2d, 3, 275, Cal.

frontalis Lec., *ibid.* 276, Or.

robusta Lec., *ibid.* 276, Cal.

HOPLIA Illiger.

oregona Lec., Journ. Acad. Nat. Sci. 2d, 3, 205, Or.

irrorata Lec., Rep. Pac. R. R. Exp., 40.

convexula Lec., Journ. Acad. Nat. Sci. 2d, 3, 285, Cal.

pubicollis Lec., *ibid.* 285, Cal.

callipyge Lec., *ibid.* 285, Cal.

APHODIUS Illiger.

militaris Lec., Pr. Acad. Nat. Sci. 1858, 65, Cal.

ODONTÆUS Klug.

obesus Lec., Pr. Acad. Nat. Sci. 1859, 282, Cal.

THROSCIDÆ.

LISSOMUS.

plagiatus Boh., Eugen. Resa, 66, 'Cal.

ELATERIDÆ.

PHLEGON Lap.

herculeanus† (Lac. Gen. Col. 4, 123,) 'Cal.

CORYMBETES Latr. (emend. Lec.)

tinctus Lec., Pr. Acad. Nat. Sci. 1859, 85, Or.

protractus Lec., *ibid.* 85, Or.

AGRIOTES Esch.

opaculus Lec., Pr. Acad. Nat. Sci. 1859, 85, Or.

ELATER Linn.

tartareus Lec., Proc. Acad. Nat. Sci. 1859, 85, Or.

cordifer Lec., *ibid.* 72, Cal.

Lecontei Candere, Mow. Elat. 2, 459, (May, 1859.)

ignobilis Boh., Eugen. Resa, 68, 'Cal.

variegatus Boh., *ibid.* 69, 'Cal.

ADELOCERA Latr.

rorulenta Lec., Pr. Acad. Nat. Sci. 1859, 283, Or.

aurorata† Lec., Pac. R. R. Expl. 18.

cavicollis Lec., Pr. Acad. Nat. Sci. 1859, 86, Cal.

CARDIOPHORUS Esch.

fenestratus Lec., Pr. Acad. Nat. Sci. 1859, 86, Or.

ATOPIDÆ.

DASYLLUS Latr.

Davidsonii Lec., Pr. Acad. Nat. Sci. 1859, 283, Cal.

LAMPYRIDÆ.

PTEROTUS Lec.*

obscuripennis Lec., Pr. Acad. Nat. Sci. 1859, 86, Cal.

1859.]

*I now recognise this genus as related to *Phengodes*.

TELEPHORIDÆ.

TELEPHORUS Geoffr.

peregrinus Boh., Eugen. Resa, 80, 'Cal.

[MELYRIDÆ.

CHAROPUS Er.

moerens Lec., Pr. Acad. Nat. Sci. 1859, 283, Cal.

PTINIORES.

XYLETINUS Latr.

puberulus Boh., Eugen. Resa, 88, 'Cal.

ANOBIUM Fabr.

marginicolle Lec., Pr. Acad. Nat. Sc. 1859, 87, Or.

gibbicolle Lec., *ibid.* 284, Cal.

quadrulum Lec., *ibid.* 87, Or.

punctulatum Lec., *ibid.* 284, Cal.

cornutum Lec., *ibid.* 87, Cal.

pudicum Boh., Eugen. Resa, 86, 'Cal.

DORCATOMA Herbst.

affine Boh., Eugen. Resa, 87, 'Cal.

TENEBRIONIDÆ.

ELEODES Esch.

grandicollis Mann., Cal.

valida Boh., Eugen. Resa, 90.

scabricula Lec., Pr. Acad. Nat. Sci. 1859, 187, Cal.

constricta Lec., *ibid.* 187, Cal.

subaspera Solier, St. Ent. 246, 'Cal.

impressicollis Boh., Eug. Resa, 90, 'Cal.

This is either *E. planata* or *E. scabrosa*.

SCOTOBÆNUS Lec.

parallelus Lec., Pr. Acad. Nat. Sci. 1859, 88, Cal.

HELOPS Fabr.

opacus Lec., Pr. Acad. Nat. Sci. 1859, 284, Cal.

XYSTROPUS Sol.

opacus Lec., Pr. Acad. Nat. Sci. 1859, 78, Cal.

PYTHIDÆ.

RHINOSIMUS Latr.

pallipes: 'Cal.

Rhinomacer pallipes Boh. (err. typ.) Eugen. Resa, 112.

SALPINGUS Gyll.

alternatus Lec., Pr. Acad. Nat. Sci. 1859, 285, Cal.

MELANDRYADÆ.

PHRYGANOPHILUS Sahlb.

collaris Lec., Pr. Acad. Nat. Sci. 1859, 88, Or.

HYPULUS Payk.

fulminans Lec., Pr. Acad. Nat. Sci. 1859, 284, Or.

? *Dircæa Holmbergii* Mann.

[Oct.

MORDELLONES.

ANASPIS Latr.

nigriceps *Lec.*, Pr. Acad. Nat. Sci. 1859, 88, Or.

ANTHICIDÆ.

NOTOXUS Geoffr.

sparsus *Lec.*, Pr. Acad. Nat. Sci. 1859, 284, Cal.

ANTHICUS Fabr.

cæsiognatus *Boh.*, Eugen. Resa, 104, 'Cal. (Puna.)

troglodytes *Boh.*, *ibid.* 105, 'Cal. (Tahiti.)

nitidus *Boh.*, *ibid.* 105, 'Cal.

atomarius *Boh.*, *ibid.* 106, 'Cal.

amplicollis *Boh.*, *ibid.* 106, 'Cal.

CURCULIONIDÆ.

BRUCHUS Linn.

ramicornis *Boh.*, Eugen. Resa, 112, 'Cal.

COSSONUS Clairv.

serobiculatus *Lec.*, Pr. Acad. Nat. Sci. 1859, 285, Cal.

HYLESINUS Fabr.

nebulosus *Lec.*, Pr. Acad. Nat. Sci. 1859, 285, Cal.

CERAMBYCIDÆ.

CALLIDIUM Fabr.

infuscatum *Lec.*, Pr. Acad. Nat. Sci. 1859, 285, Cal.

ERGATES.

spiculatus *Lec.*, Or. Cal.

Macrotoma californica White, B. Mus. Cat. Long. 37 (♂).

Macrotoma spiculigera White, *ibid.* 39 (♀).

ELAPHIDION Serv.

procerum *Lec.*, Pr. Acad. Nat. Sci. 1859, 88, Or

BROTHYLUS Lec.

conspersus *Lec.*, Pr. Acad. Nat. Sci. 1859, 285, Or.

LEPTURA Linn.

xanthogaster *Lec.*, Pr. Acad. Nat. Sci. 1859, 88, Or.

quadrillum *Lec.*, *ibid.* 88, Or.

lætifica *Lec.*, *ibid.* 89, Or.

sanguinea *Lec.*, *ibid.* 89, Or.

dehiscens *Lec.*, *ibid.* 89, Or.

lugens *Lec.*, *ibid.* 89, Or.

DORCADION Dalman.

Lorquinii *Fairemaire*, Ann. Ent. Fr. 3d, 3, 322, 'Cal.

CHRYSOMELINÆ.

SYNETA Esch.

suturalis *Lec.*, Pr. Acad. Nat. Sci. 1859, 89, Or.

seriata *Lec.*, *ibid.* 90, Cal.

GLYPTOSCELIS Lec.

albidus *Lec.*, Pr. Acad. Nat. Sci. 1859, 81, Cal.

1859.]

CHRYSOMELA Linn.

elegans Oliv., Or.
sigmoidea Lec., Pr. Acad. Nat. Sci. 1859, 286, Or.

HALTICA Illiger.

æruginea Lec., Pr. Acad. Nat. Sci. 1859, 285, Cal.
evicta Lec., *ibid.* 286, Cal.
tincta Lec., *ibid.* 286, Cal.

DIBOLIA Latr.

ovata Lec., Pr. Acad. Nat. Sci. 1859, 286, Cal.

LUPERUS Geoffr.

smaragdinus Lec., Pr. Acad. Nat. Sci. 1859, 286, Cal.

GALLERUCA Geoffr.

angularis Lec., Pr. Acad. Nat. Sci. 1859, 90, Cal.

ANOPLITIS Kirby.

quadrata Lec., Cal.
Hispa quadrata Fabr.

COCCINELLIDÆ.

COCINELLA.

lacustris Lec., Pr. Acad. Nat. Sci. 6, 131, Or.
melanopleura Lec., Pr. Acad. Nat. Sci. 1859, 286, Cal.
barda Lec., *ibid.* 286, Cal.

CHILOCHORUS Leach.

pleuralis Lec., Pr. Acad. Nat. Sci. 1859, 90, Cal.

Nov. 1st.

Vice-President BRIDGES in the Chair.

Thirty-one members present.

The following were presented for publication in the Proceedings :

Notes and descriptions of foreign Reptiles, by E. D. Cope.

Description of two new species of Carboniferous Fossils, by Wm. M. Gabb ; and were referred to Committees.

The number of the Proceedings of the Academy for October was laid on the table by the Committee.

The recent death in London of Dr. Thomas Horsfield, late a Correspondent of the Academy, was announced.

Nov. 8th.

Vice-President LE CONTE in the Chair.

Thirty-seven members present.

The following were presented for publication in the Proceedings :

Descriptions of new species of Birds from Cape St. Lucas, lower California, by Mr. John Xantus.

[Nov.



LeConte, John L. 1859. "Additions to the Coleopterous Fauna of Northern California and Oregon." *Proceedings of the Academy of Natural Sciences of Philadelphia* 11, 281–292.

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