

BIBLIOGRAPHICAL RECORD.

Authors and societies are requested to forward their works to the editors as soon as published. The date of publication, given in brackets [], marks the time at which the work was received, unless an earlier date of publication is known to recorder or editor. Unless otherwise stated each record is made directly from the work that is noticed.

Corrections of errors and notices of omissions are solicited.

- Blanchard, F:** Occurrence of *atemeles cavus* Lec. with black ants. (Bull. Brooklyn entom. soc., May 1879, v. 2, p. 4.)
Supposes that the larva may be parasitic on young ants. *F. G. S.* (2008)
- [**California** — *State viticultural commission.* Report of meeting, at Sonoma, 23–24 July 1880.] (Pacific rural press [San Francisco], 31 July 1880, v. 20, p. 72–73, 110 cm.)
Means of preventing the ravages of the grape phylloxera; communications and addresses by several persons. *B. P. M.* (2009)
- Chatin, Joannes.** Sur la valeur comparée des impressions monochromatiques chez les invertébrés. (Comptes rendus de l'acad. des sci., 5 Jan. 1880, v. 90, p. .)
By analyzing the current of Dewar produced under the influence of different rays of the spectrum, the author has ascertained that the visual impression reaches its maximum in the articulates in the yellow-green region, while it is very feeble in the red rays. *A. R.* (2010)
- Champlin, J: D., jr.** Young folks' cyclopaedia of common things. N. Y., Holt, 1879. 5+690 p. il. O. cl., \$3.
"Arranged like other cyclopaedias; designed for children, to cultivate in them the habit of consulting works of reference. Articles are written in simple language and freely illustrated; they cover most things in nature, science, and the arts which are apt to awaken a child's curiosity. Index. Author the late associate editor of the American Cyclopaedia."—*Title-slip registry*, Sep. [Oct.] 1879, v. 1, no. 9, p. 84. (2011)
- Cooke, Matthew and Robert J. Cooke.** Natural history and habits of the codling moth, or apple worm; also Notes on the scale insect. By Messrs. Cooke & Son, Proprietors Box Factory, Sacramento, California. Sacramento, 1879. t.-p. cover + 32 p., 16×11, t 12.7×8, il.
p. 1–28. Habits and seasons of *carpocapsa pomonella*; means against it. Ravages of *coccidae*; life history of *aspidiotus conchiformis* and of *a. harrisi* (by C. H. Dwinelle). p. 29–32. Advertisements. *B. P. M.* (2012)
- Cooke, Robert J., see COOKE, Matthew and Robert J. COOKE,** Natural history and habits . . . [PSYCHE, Rec., no. 2012].
- Darwin, C.** The sexual colours of certain butterflies. (Nature, 8 Jan. 1880, v. 21, p. 237, 29 cm.)
The wings of *diadema bolina* when viewed from behind are black, with six marks of pure white, when viewed in front the white marks are surrounded by a halo of beautiful blue. *Ornithoptera* show this also, the wings of the male are golden yellow only when viewed in front. *J. M. W.* (2013)
- Dwinelle, C. H., see COOKE, Matthew and Robert J. COOKE,** Natural history and habits . . . [PSYCHE, Rec., no. 2012].
- Gissler, Carl Friedrich.** Biological notes on some genera of *tenebrionidae*. (Bull. Brooklyn entom. soc., May 1879, v. 2, p. 7–8).
Had for two years specimens of *eleodes gigantea* and of *coelocnemis magna* from Cal., in breeding cages; obtained severally eggs and larvae, but no pupae. *F. G. S.* (2014)
- Grote, A: Radcliffe.** Three new species of *botis*. (Can. entom., Feb. 1880, v. 12, p. 36–37.)
Describes 3 new species, *b. oppilalis* (from Mass. and Me.), *b. oscitalis* (from Me. and Ohio), *b. dissectalis* (from Ontario, Canada). See correction in A: R. Grote's "[Three new species . . .]" (Can. entom., April 1880, v. 12, p. 80) [PSYCHE, Rec., no. 2016]. *G: D.* (2015)
- Grote, A: Radcliffe.** [Three new species of *botis*.] (Can. entom., April 1880, v. 12, p. 80.)
Additional note to the author's "Three new species of *botis*" (Can. entom., Feb. 1880, v. 12, p. 36–37) [PSYCHE, Rec., no. 2015]. *Botis dissectalis* is a synonym of *b. submedialis*. *G: D.* (2016)
- [**Hagen, Hermann August.** Notice of the purchase by the Mus. Comp. Zoölogy, in Cambridge, Mass., of the library of.] (Harv. register, April 1880, v. 1, p. 83, col. 1, 4 cm.)
Size, etc., of the library. *G: D.* (2017)
- Hyde, J. S.** The winged phylloxera. (Pacific rural press [San Francisco], 7 Aug. 1880, v. 20, p. 81, col. 1–3, fig. 1–2, 46 cm.)
Discovery of the infertile winged form of the grape phylloxera in the Sonoma valley, Cal.; editorial comments. *B. P. M.* (2018)
- Insect pests.** (Journ. applied sci., July 1880, v. 11, p. 106, 5 cm.)
Notice of a proposal by E. Metschnikoff to use fungi in destroying noxious insects. *G: D.* (2019)

- Joseph, Gustav.** Vorläufige Mittheilungen über Innervation und Entwicklung der Spinnorgane der Insecten. (Zool. Anzeiger, 5 July 1880, jahrg. 3, p. 326-328.)
 Contrary to the opinion expressed in T. W. Engelmann's "Zur Anatomie und Physiologie der Spinnröhren der Seidenraupe" [PSYCHE, Rec., no. 1536] this author finds that nerve-branches go to the silk-glands from the suboesophageal ganglion and from the sympathetic nerve-system: development of the silk-glands.
G: D. (2020)
- K[ansas] u[niversity]** scientific work. Recent operations. (Lawrence [Kans.] d. jour., 12 Nov. 1880, v. 11, no. 268, p. [4], col. 3, 19 cm.)
 Notice of an expedition made to New Mexico by Prof. F. H. Snow, L. L. Dyché and Anna Mozley, in the summer of 1880; 12 new species of coleoptera obtained, one of them said by Dr. J. L. LeConte to be "the most extraordinary addition to our fauna that has been made for a long time."
B: P. M. (2021)
- Kapitel (Zum) der Varietätfabrikation.** (Entom. Nachrichten, 1 July 1880, jahrg. 6, p. 145-146.)
 Extract from an open letter to J. B. Géhin, published by A. Fauvel in his *Annuaire entomologique*, in which Fauvel opposes giving names to so many varieties of insects.
G: D. (2022)
- Kellicott, D: Simons.** Larval habits of a golden-rod boring plume. (Can. entom., June 1880, v. 12, p. 105-106.)
 Notes on a new species of *pterophoridae* which bores in *solidago*.
G: D. (2023)
- Kessler, Hermann Friedrich.** Neue Beobachtungen und Entdeckungen an den auf *ulmus campestris* L. vorkommenden Aphiden-Arten. Mit 2 Tafeln Abbildungen. Separatabdruck aus dem 26 und 27 Jahresberichte des Vereins für Naturkunde zu Cassel. Cassel, T. Kay, 1880. t.-p. cover, t.-p., 34 p. 22.5×14, t 17.5×10.5; 2 pl., 26.5×22.5, t 22.5×17.5. pam., M 1.
 Treats of and figures different stages of *tetraneura ulmi*, *t. alba*, and *schizoneura ulmi*.
G: D. (2024)
- Kingsley, J: Sterling.** Notes on myriopods. (Amer. nat., Aug. 1880, v. 14, p. 594.)
 Notes on several species from Williamstown, Mass.
G: D. (2025)
- Kunze, R: E.** Rose-breasted grosbeak and Colorado potato beetle. (Amer. nat., July 1880, v. 14, p. 521-522.)
Hydemeles ludoviciana eats *doryphora decemlineata* readily; *cardinalis virginianus* eats *d. decemlineata* and *macrodactylus subspinosus*.
G: D. (1026)
- Lichtenstein, Jules.** Les pucerons du térébinthe. (Feuille des jeunes naturalistes, May 1880, p. 85-88; June 1880, p. 97-99.)
 Synopses of the galls and various forms of *pemphigus* found on *pistacia terebinthus*; biological notes.
G: D. (2027)
- Lancaster, E. Ray.** The destruction of insect pests, an unforeseen application of the results of biological investigation. (Nature, 11 Mar. 1880, v. 21, p. 447-448.)
 Criticism of H. A. Hagen's suggestion to employ yeast for the destruction of phyloxera, potato-beetle, cotton-worm, etc. [see PSYCHE, Rec., no. 1660].
J. M. W. (2028)
- [LeConte, J: Lawrence.]** List of coleoptera collected by Dr. R. Bell in 1879 on the Nelson and Churchill rivers. (Rept. of progress geol. surv. Can., 1878-1879, p. 65c-66c. Montreal, 1880. 8°.)
 Nominal list of 38 species.
S: H. S. (2029)
- Libellenschwärme** in Galizien. (Entom. Nachrichten, 15 June 1880, jahrg. 6, p. 133; 1 Aug. 1880, jahrg. 6, p. 167.)
 Swarms of dragon-flies in northern Hungary.
G: D. (2030)
- Lichtenstein, Jules.** Migrations of the aphides of the galls of the pistachio to the roots of grasses. (Annals and mag. nat. hist., Feb. 1879, s. 5, v. 2, p. 174.)
 "The emigrants (second larval form) which quit the gall, fly to the grasses and there produce apterous young which are the budders (third larval form)."
R. H. (2031)
- Lichtenstein, Jules.** Observations critiques sur les pucerons des ormeaux et les pucerons du térébinthe. (Feuille des jeunes naturalistes, Aug. 1880, p. 124-126.)
 Corrections to the author's "Les pucerons des ormeaux..." (*l. c.*, Nov. 1879, p. 6-9; Dec. 1879, p. 22-24) [PSYCHE, Rec., no. 1615] and to his "Les pucerons du térébinthe," (*l. c.*, May 1880, p. 85-88; June 1880, p. 97-99) [PSYCHE, Rec., no. 2027]. Gives a corrected synopsis of the galls found on *ulmus*.
G: D. (2032)
- Lichtenstein, Jules, see ASSOCIATION française pour l'avancement des sciences — Congrès de Montpellier, Section de zoologie.** [Abstract of proceedings] [PSYCHE, Rec., no. 1488].
- Light of the glow-worm (The).** (Frank Leslie's popular mo., May 1880, v. 9, p. 639, 2 cm.)
 Conditions under which the light of *lampyridae* is produced.
G: D. (2033)
- Lyman, H: Herbert.** List of diurnal lepidoptera taken in the vicinity of Portland, Maine. (Can. entom., Jan. 1880, v. 12, p. 7-9.)
 Enumerates and gives notes on 46 species.
G: D. (2034)
- Mann, B: Pickman.** Zoological subjects partly classified by the Dewey system. (Lib. journ., May 1880, v. 5, p. 143-144, 61 cm.)
 A decimal classification of zoological subjects for the use of libraries in arranging their books. "The division has been carried, generally, only as far as the needs of an entomologist require, but a division of certain botanical subjects has been carried one step farther, since the relations of the subjects seemed to permit this to be done."
G: D. (2035)

Marott, J. Pincitore. Émigrations et apparitions de certains lépidoptères; notes de mon agenda entomologique. (Feuille des jeunes naturalistes, July 1880, p. 115-117.)

Discussion of relative abundance and migrations of different lepidoptera about Palermo, Italy, and of accompanying peculiarities of the species. *G: D.* (2036)

Mocquerys, S. and J. Bourgeois. Tératologie entomologique. Recueil de coléoptères anormaux, par feu M. S. Mocquerys. Réimprimé par les soins de la Société des amis des sciences naturelles de Rouen, avec introduction par M. J. Bourgeois. Rouen, 1880. t.-p. cover, 16+142+[2] p., il. 23×14, 15×8.3. 3 fr. 50 c.

Rev., by *G: Dimmock.* (Psyche, Dec. 1880 [May 1881], v. 3, p. 150.)

Introduction [16 p.] in which the writer seeks to give, as far as possible, from memory of conversations with Mocquerys, the ideas of the latter upon abnormal forms of coleoptera, reviewing the causes and forms of general and special monstrosities. The monstrosities, most of which are from Mocquerys' collection, are each figured and described, being classified as follows: 1° Monstrosities by excess; 2° in the antennae, 4 in the palpi and mandibles, 3 (one a hybrid) in the elytra, 15 in the femora or tibiae, 10 in the tarsi or feet, 9 with extra gibbositities; 2° Monstrosities by deficient number of parts (9 examples); 3° Monstrosities without apparent causes (28 examples); 4° Incomplete development (11 examples). *G: D.* (2037)

Moggridge, J. Treherne. Observations on some orchids of the south of France. (Journ. Linn. soc., Bot., 3 Nov. 1864, v. 8, p. 256-258.)

Describes the pollination of several species by the aid of insects. *W: T.* (2038)

Molin, Rafael. Das Leben und die rationelle Zucht der Honigbiene. Mit 31 Holzschnitten. Wien, W. Braumüller, 1880. t.-p. cover, 16+212 p., 24×15, t 11×17. M 5.

General work on honey bees; their anatomy, care, diseases, enemies, etc. *G: D.* (2039)

Morris, G. K. A new harvesting ant. (Amer. nat., Sept. 1880, v. 14, p. 669-670.)

Some habits of a variety of *pheidole pennsylvanica* as observed in New Jersey. *G: D.* (2040)

Moseley, H. N. Further notes on the plants of Kerguelen, with some remarks on the insects. Journ. Linn. Soc., Bot., 4 Feb. 1875, v. 15, p. 53-54.)

Records the capture of "two apterous flies, one as large as a housefly, the other almost as big as a blowfly, an apterous gnat (*Culex*) and a winged gnat, a small apterous (or rather very short-winged) moth, two or three beetles (*Curculio* and *Staphylinidae*), and three or four spiders (*Saltici* and a *Trombidium*)." *W: T.* (2041)

Müller, Fritz. Nectar-secreting glands. [Communicated by T: Belt.] (Nature, 14 June 1877, v. 16, p. 122, 20 cm.)

Shows the protective value of the nectar glands of *Pteris aquilina* in Brazil. State that ants stroke nectar glands with their antennae as they do aphides, etc. *W: T.* (2042)

Müller, Fritz. On flowers and insects, &c. [Communicated by C: Darwin.] (Nature, 29 Nov. 1877, v. 17, p. 78-79, 40 cm.)

Describes the fertilization of several flowers by insects. States that the difference in neuration between the sexes of certain butterflies is connected with, if not caused by the development in the males of clusters of odoriferous scales. *W: T.* (2043)

Müller, Fritz. Nectar-secreting glands. [Communicated by Francis Darwin.] (Nature, 7 June 1877, v. 16, p. 100-101, 27 cm.)

Shows that in Brazil extrafloral nectar glands of *Pteris* and other plants are visited by ants which protect the plants from the ravages of leaf-cutting ants. *W: T.* (2044)

Müller, Hermann. Die Befruchtung der Blumen durch Insekten und die gegenseitigen Anpassungen Beider. Ein Beitrag zur Erkenntniss des ursächlichen Zusammenhanges in der organischen Natur. Mit 52 Abbildungen in Holzschnitt. Leipzig, W. Engelmann, 1873. t.-p. cover, 8+478+[1] p., 23.5×16, t 19.5×12. Pap., M. 9.

Rev. by A. W. Bennett, entitled, "The fertilization of flowers by insects . . ." (Academy, 15 Aug. 1873, v. 4, no. 78, p. 307-309, 59 cm.) (Amer. nat., Nov. 1873, v. 7, p. 680-683.)

Introduction, containing the history of the subject; insects which visit flowers and their adaptation to the flowers; flowers visited by insects and their adaptation to the insects, in order of families and species of plants; general review of the subject, its bearing on the theory of selection; peculiarities of flowers which cause insects to visit them; catalog of insects and of plants, serving as index. *G: D.* (2045)

Murray, A. S. Stephani on the antiquities of Mycenae. (Academy, 3 July 1880, p. 14-15.)

A discussion of the place of the butterfly (Psyche) in Greek art, based upon Stephani's paper in the Comptendu de la Commission impériale archéologique [de St. Petersbourg] pour l'année 1877. *G: D.* (2046)

Neumoegen, Berthold. Description of a new genus and species of *Zygaenidae*. (Can. entom., April 1880, v. 12, p. 67-69.)

Describes *edwardsia brillians* from Texas.

G: D. (2047)

Newall, R. S. Carnivorous wasps. (Nature, 25 Mar. 1880, v. 21, p. 494.)

Carnivorous habits and ingenuity of wasps.

J. M. W. (2048)

Noel, Paul. Chasses diverses aux coléoptères. (Feuille des jeunes naturalistes, May 1880, an. 10, p. 93.)

Abstract. (Psyche, July [12 Oct.] 1880, v. 3, p. 95, 7 cm.)

Easy way to collect *Carabidae*, and another to collect *Scarabaeidae* and *Staphylinidae* which frequent dung.

G: D. (2049)

- Noel, Paul.** Destruction des guêpiers. (Feuille des jeunes naturalistes, Oct. 1880, an. 10, p. 162.)
Uses a burning mixture of potassic chlorate [K Cl O₃] and sulphur [S] to destroy nests of *vespa*.
G: D. (2050)
- Nostrand, P. Elbert.** Capture of a fine aberration of *chrysophanus americanus*. (Bull. Brooklyn ent. soc., May 1879, v. 2, p. 8.)
The underside of the right hind wing is marked by red dashes running from base to exterior margin.
F. G: S. (2051)
- Olney, E. W.** Curious facts concerning ants. (St. Nicholas, May 1880, v. 7, p. 554-560. 249 cm., 5 il.)
Popular account of some of the most interesting habits of ants.
G: D. (2052)
- Origin and survival of the types of flowers (The).** (Amer. nat., July 1880, v. 14, p. 517.)
A few notes on the modifying influences which insects have exerted on plants.
G: D. (2053)
- P., G. S.** How to kill him. (New England homestead, 4 Sept. 1880, . . . 19 cm.)
Recommends carbolized paper for preventing ravages of *anthrenus scrophulariae*.
G: D. (2054)
- Packard, Alpheus Spring, jr.** Case of protective mimicry in a moth. (Amer. nat., Aug. 1880, v. 14, p. 600.)
Mimicry of *polistes fuscus* by *trochilium polistiformis*.
G: D. (2055)
- Pea weevils.** ("N. Y. herald, . . .") (Florida agriculturist [DeLand, Fla.], 16 Feb. 1881, no. 144, v. 3, no. 40, p. 316, col. 3, 11 cm.)
Enclosing peas or beans in a tight vessel containing an open bottle of turpentine, and occasionally exposing the vessel to the heat of the sun, kills the eggs deposited in the seeds.
B: P. M. (2056)
- Petroleum** for scale insect. ("Pacific rural press, . . .") (Florida agriculturist [DeLand, Fla.], 16 Feb. 1881, no. 144, v. 3, no. 40, p. 318, col. 4, 22 cm.)
Successful use of crude petroleum in killing bark-lice.
B: P. M. (2057)
- Philadelphia silk school (The).** ("Philadelphia ledger. . .") (Journ. applied sci., Oct. 1880, v. 11, p. 155-156, 29 cm.)
Establishment of a school, by the Women's silk culture association, in which to learn how to rear silkworms and reel silk.
G: D. (2058)
- Popenoe, Edwin Alonzo.** A new insect foe. (The industrialist [Manhattan, Kans.], 29 May 1880, v. 5, suppl., no. 59, p. [2], col. 3-4, 35 cm.)
Description of *aramigus tessellatus*, which devours leaves of sweet potatoes (*ipomoea*), but is found mostly on a species of *psoralea*; its habits are those of *a. fulleri*.
B: P. M. (2059)
- Popenoe, Edwin Alonzo.** The web worm. Notes upon its habits, and description of its transformations. (2nd quart. rept. Kansas state board agric. for 1880, [20 July] 1880, p. 99-103.)
Description of larva, pupa and imago, habits and ravages of *eurycreon rantis*; its food plants; checks upon its increase.
B: P. M. (2060)
- Preisausschreiben.** (Entom. Nachrichten, 1 July 1880, jahrg. 6, p. 147.)
Announcement of prizes for papers upon injurious insects offered by Miss E. A. Ormerod, through the Entomological Society of London.
G: D. (2061)
- Prentiss, Albert N.** Destruction of obnoxious insects by means of fungoid growths. (Amer. nat., Aug. 1880, v. 14, p. 575-581; Sept. 1880, v. 14, p. 630-635.)
In a series of experiments the author finds "that yeast cannot be regarded as a reliable remedy against such insects as commonly affect plants cultivated in green-houses, rooms and parlors." Compare H. A. Hagen's "Obnoxious pests . . ." [PSYCHE, Rec., no. 1659.]
G: D. (2062)
- R., M. H.** Kerosene vs. lice. ("Country gent., . . .") (Florida agriculturist [DeLand, Fla.], 16 Feb. 1881, no. 144, v. 3, no. 40, p. 318, col. 4-5, 13 cm.)
Successful use of kerosene in killing or preventing lice on fowls.
B: P. M. (2063)
- Rogers, R. Vashon.** Entomology for beginners. *Clytus*. (Can. entom., Aug. 1880, v. 12, p. 148-152, fig. 21.)
Figures *c. speciosus*; habits and description of *c. speciosus*, *c. pictus* and *c. robiniae*.
G: D. (2064)
- Royal geographical society.** (Colonies and India, 27 Nov. 1880, p. 11-12, 51 cm.)
Contains notes upon the disappearance of the tsetse-fly [*glossina morsitans*] before the advance of civilization in Africa.
G: D. (2065)
- Ryder, J. A.** Holman's new compressorium and moist chamber. (Amer. nat., Sept. 1880, v. 14, p. 691-693.)
Use of this compressorium for studying the larva of *corethra plumicornis*.
G: D. (2066)
- Ryder, J. A.** Phosphorescence of very young fishes. (Amer. nat., Sept. 1880, v. 14, p. 675-676.)
The author says, "there seems to me to be little doubt that the prime element in the production of phosphorescence in the animal world in general, is some kind of sudden molecular disturbance or impulse, disturbing the equilibrium of the molecules of the living protoplasm involved, so as to produce a kind of motion which makes itself apparent as momentary emissions of light. I have no doubt that the phenomenon in *Lampyrus* or the fire-fly, is connected with expiration and inspiration." . . .
G: D. (2067)
- Torrey, Bradford.** Second flight of dragonflies. (Amer. nat., Aug. 1880, v. 14, p. 594.)
Records flight of dragon-flies in Melrose [Mass.].
G: D. (2068)



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