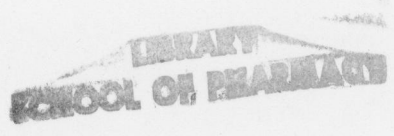


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BIBLIOGRAPHY  
OF  
SOLANUM DULCAMARA

BY  
ASPEN ARLISS EDE



A THESIS SUBMITTED FOR THE DEGREE OF  
GRADUATE IN PHARMACY

UNIVERSITY OF WISCONSIN

1933

Theophrastus of Eresios

(4-3 c B.C.)

(Snrnknes)

----- P. ----. (Wimmer, Theophrastii Eresii opera, v.2.,  
p.----, (1854). (Woodville, Medical botany, v.s., p.240.)

(The above commentary does not list the above name.)

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Matthiolum, P.A.

(1543)

(Solanum Dulcamara)

(Commentary on Dioscorides, p.1281; ibid 1069; Withering,  
Botany, v.2, p.250; Bauhin pinex, v.2., p.167.)

The original was not available.

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Tragus, H.

1552

Dulcis Amara

Kreuterbuch, 6 ed., pp. 303, 816; (Withering, Botany, v.2.,  
p.250; Fluckiger, F.A., Pharmakognosie des pflanzenreiches,  
p. 469; Bauhinus Pinax, 2 ed., p. 167)

Gives description, the plant habitat, uses, and a  
diagram of flowering and fruiting branch of Solanum Dulcamara.

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Lobel, M.

1581

(Solanum Dulcamara)

Plantarum seu stirpium, etc., p. 136.4; ibid 133.2;  
(Withering, Botany, v.2., p. 250)

The original was not available.

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Dodonaeus, R.

1583

(Solanum Dulcamara)

Stirpium historiae pemptades sex, 402.2, 454; (Withering,  
Botany, v.2., p.250)

The original was not available.

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Bauhin, J.

1619

(*Glycypheros sive Amaradulcis*).

Historia plantarum, v.2., p. 109; (Biglow, Am. Med. Botany, v.1., p. 175; Woodville, Medical Botany, v.2., p. 240; Rau Historia plantarium, v.1., p. 672.)

The original was not available.

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Gerarde, J.

1633

Bittersweet or Woody Nightshade.

The Herball or Generall Historie of Plantes, ed. 2., p. 350; Ibid., p. 279; Ibid., 268.1; Woodville's Medical Botany, v.2., p. 240; Witherings, Botany, v.2., p. 250; Hamilton, E., The Flora Homaeopathica, v.1., p. 261; Curtiss, W., Flora Lindenensis, v.1., p. 14.)

Gives a description, habitat, time of flowering and a drawing of *Solanum Dulcamara*.

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Parkinson, J.

1640

(*Solanum fcandens fere Dulcamara*.)

Theatrum Botanicum, p. 346-350; (C. Bauhin, Pinax, p. 167; Raii, Historia plantarium, v.1., p. 672; Historie des plants, p. 43; Withering's, Botany, v.2., p. 250; Curtis, W., Flora Lindenensis, v.1., p. 14; Woodvilles, Medical Botany, 2 ed., p. 240.)

The original was not available.

---

Bauhinus, J.

1650

(*Solanum fcandens of Dulcamara*.)

Historia plantarum, etc., p. 167; (Willdenow, Linne, Species Plantarum, 4 ed., v.1., p. 1028; Hamilton, E., The flora homaeopathica, v.1., p. 261; Witherings, Botany, v.2., p. 250; Historie Des Plantes, p. 43.)

The original was not available.

---

Bauhin, C.

1671

Glycypheros sive Amara dulcis F.B. 2.109.

Pinax, p. 167; (Hayne, F.G., Daistellung und Beschreibung des Arzneigewachse, v.2., p. 39; Linne, Pflanzen, St.4., p. 240; Hamilton, E., The flora Homoeopathica, v.1., p. 262; Curtiss, W., Flora Lindenensis, v.1., p. 14; Woodville, Medical Botany, 2 ed., v.2., p. 240.)

Gives ten names with references for Dulcamara and mentions three varieties according to the color of flowers.

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Duhamel du Monceau

1678

Solanum caule inermi seute scente flexuodo, foliis superioribus, hastates, racamis cymosis.

Traile des arbres, etc., v.2., p. 270 t 72; (Willdenow, Linne, Species plantarum, 4 ed., v.1., p. 1028.)

Gives a description of Solanum Dulcamara, with a full page illustration, allied species, methods of cultivation and uses.

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Morison, R.

1680

(Solanum Dulcamara.)

Historia plantarum universalis, oxomensis, a xiiii. L. row 1.1; (Withering, Botany, v.2., p. 25.)

The original was not available.

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Ray, J.

1685

Solanum Lignosum sive Dulcamara.

Historia plantarum, v.1., p. 672; (Woodville, Medical botany, v.2., p. 240; Hamilton, E., The Flora Homoeopathica, v.1., p. 261.)

Describes different parts of plant, its habitat, time of flowering, method of using, preparations, and properties of Solanum Dulcamara.

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Floyer, J.

1687

(Dulcamara.)

Pharmaco. Basanos, p. 86; (Woodville, Medical Botany, v.2., p. 241.)

The original was not available.

---

Ray, J.

1690

Solanum lignosum sive Dulcamara.

Synapsis methodica stirpium tritimicarum, p. 265; (Woodville, Medical Botany, 2 ed., v. 2., p. 240; Linne, Pflanzen Syflun, 4 ? St. 4., p. 240; Curtiss, W., Flora Lindinensis, v.1, p. 14.)

The original was not available.

---

Camerarius, R.J.

1694

Vitis Sylvestris.

Epistola, p. 986; (Hamilton, E., The Flora Homaepathica, v.1., p. 261; Bauhin, Pinax, 2 ed., p. 167; Linne, Pflanzen Syflein, 4 ? St. 4., p. 240.)

The original was not available.

---

Tournefort, J.P.

1698

Solanum scandens, seve Dulcamara.

Histoire Des Plantes, p. 43; (Biglow, Am. Med. Botany, v.1., p. 175.)

Quotes from several early authors as to description, names, and uses of Solanum Dulcamara.

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Volckamer, J.C.

1708

(*Solanum Lignosum* seu *Dulcamara*.)

Nurinbergische Hesperides, etc., p. 359; (Hayne, Darstellung und Beschreibung des Arzeigewaechse, v.2., p. 39.)

The original was not available.

---

Ruppius, H.B.

1708

(*Solanum scandens* seu *Dulcamara*.)

Flora Jenensis, p. 49; (Hayne, Darstellung und Beschreibung des Arzeigewaechse, v.2., p. 39.)

The original was not available.

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Dillinius, J.J.

1719

(*Solanum scandens* seu *Dulcamara*.)

Catalogus plantarum spenticica gisam, etc., p. 82; (Hayne, Darstellung und Beschreibung des Arzeigewaechse, v.2., p. 39.)

The original was not available.

---

Tournefort, J.P.

1719

(*Solanum caul in frutes crente flexuoso, foliis superioribus hastatis.*)

Institutions rei herbarial, 3 ed., p. 149; (Houttyn, Linne, Pflanzen systun, ST. 4., p. 240.)

The original was not available.

---

Buxbaum, J.C.

1721

(*Solanum scandens* seu *Dulcamara*.)

Halens, Enumerationeum plantarum in agro Haliusi, locisque nascentium, p. 306; (Hayne, Darstellung und Beschreibung des Arzeigewaechse, v.2., p. 39.)

The original was not available.

---

Dillinius, J.J.

1732

(*Solanum Dulcamarum africanum.*)

Hirtus, Flora Elthamensis 365, II 273, f. 352; (Houttyn, Linne, Pflanzen systun St.4, p. 240; Willdenow, Linne, Species plantarum, 4 ed., v.1., p. 1029; Woodville, Medical Botany, 2 ed., p. 240.)

The original was not available.

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Kniphof, J.H.

1733-1734

(*Solanum Dulcamara.*)

Lebendig officinal Krauterbuch, v.--., p.--., ; (Withering, Botany, v.2., p. 250.)

The original was not available.

---

Blackwell, Elizabeth

1737

(*Solanum Dulcamara.*)

A curious herbal, p. 34; Ibid., p. 107; (Withering, Botany, v.2., p. 250; Winkler, E., Real-lexikon des medicinisch pharmaceutische naturgeschichte und rohwaaukunde, p. 661; Trommsdorf, J.B., Handbuch der pharmaceutischen waarunkunde, 1 ed., p. 183; 2 ed., p. 190.)

The original was not available.

---

Linne, C.

1737

(*Solanum caue inermi frutesceute flexuoso, foliis superioribus, hastatis racemis cymosis.*)

Hortus cliffortanus, p. 60; (Willdenow, Linne, Species plantarum, 4 ed., v.1., p. 1028; Hayne, F.G., Darstellung und Beschreibung des Arzneigewaechse, v.2., p. 39; Linne, Pflanzen systun ST.4, p. 240.)

The original was not available.

---

Chomel, J.B.

1739

*Solanum Sudens sive Dulcamara.*

Abrege de L'Histoire des plantes uselles, v.2., p. 784.

Describes the plant, part used, preparations, historical account with synonyms and references to *Dulcamara*.

---

Royen, A.

1740

(*Solanum caule inermi frutescente flexuoso, superioribus hastatis, racemis cymosis.*)

Flora, Leydensis prodromus, p.--; (Willdenow, Linne, Species plantarum, 4 ed., v.1., p. 1028; Linne, Pflanzen systun ST.4, p. 240.)

The original was not available.

---

Geoffray, E.F.

1746

*Solanum Dulcamarum Africanum.*

Fractatus de materia medica, --ed., v.3., p. 415; (Houttyn, Linne Pflanzen systun ST.4, p. 240.)

The original was not available.

---

Dalibard, F.F.

1749

(*Solanum caule inermi frutescenti flexuoso, foliis superioribus hastatis, racemis cymosis.*)

Florae purifiensis prodromus, p. 73; (Willdenow, Linne Species plantarum, 4 ed., v.1., p. 1028.)

The original was not available.

---

Linne, C.

1749

*Solanum Dulcamara.*

Mat. Med., 1 ed., 66; Ibid., 2 ed., p. 66; (Willdenow, Linne Species plantarum, 4 ed., v.1., p. 1028; Linne, Pflanzen systun ST.4., p. 240.)

Gives technical description, references, habitat, part used, taste, properties, uses, and preparations of *Solanum Dulcamara*.

---

Bergen, C.A.V.

1750

(*Solanum Scandens* seu *Dulcamara*.)

Flora Francosurtana, p. 83., N.4; (Hayne, Darstellung und Beschreibung des Arzneigewaechse, v.2., p. 39.)

The original was not available.

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Frein, C.G.

1750

(*Solanum caule inermi frutescenti flexuoso, foliis superioribus hastatis, racemis cymosis.*)

Herbarium Blackwellianum emend. et anet., p. 34; (Willdenow, Linne Species plantarum, 4 ed., v.1., cent. 1., p. 1028.)

The original was not available.

---

Haller, A.V.

1750

*Solanum foliis trifides, aliis simplicibus.*

Enumeratio plantarum horti regii et agri Goettingensis, p. 212; (Hayne, Darstellung und Beschreibung des Arzneigewaechse, v.2., p. 39.)

The original was not available.

---

Linne, C.

1753

*Solanum Dulcamara.*

Species plantarum, 1 ed., v.1., p. 184; (Lindley, J., Flora medica, p. 511; Hamilton E., The Flora Homoeopathica, v.1., p. 261; Curtiss, W., Flora Londonensis, v.1., p. 14.)

Describes flowers and racemes, gives references and habitat of *Solanum Dulcamara* with synonyms of scientific name.

---

Linne, C.

1755

(*Solanum caule inermi frutescenti flexuoso, foliis superioribus, hastatis, racemis cymosis.*)

Flora suecica, p. 189-201; (Willdenow, Linne Species plantarum, 4 ed., v.1., p. 1028; Linne, Mat. Med., 1 ed., p. 66; Ibid., 2 ed., p. 66; Linne, Pflanzen systun ST.4, p. 240.)

The original was not available.

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Luding, C.G.

1760

(*Solanum caule inermi frutescenti flexuoso, foliis superioribus, hastatis, racemis cymosis.*)

Ectypa vegetabilium, etc., t. 58; (Willdenow, Linne Species plantarum, 4 ed., v.1., p. 1028; Withering, Botany, v.2., p. 250.)

The original was not available.

---

Scopoli, J.A.

1760

(*Solanum Dulcamarum Africanum.*)

Flora carniolica, p. 287; (Linne, Pflanzen systun, ST.4., p. 240; Curtiss, W., Flora Londinensis, v.1., p. 14; Willdenow, Linne Species plantarum, 4 ed., v.1., p. 1028.)

The original was not available.

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*Dulcamara sive solanum nigrosum.*

Experimental History of Materia Medica, p. 528.

Describes the plant yielding drug *Dulcamara*, its distribution in England, medicinal uses of its stem as compared with other nightshades.

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Raziux.

(1764)

(*Dulcamara.*)

Journ. de medicine., 22, p. 236; (Woodville, Medical botany, 2 ed., p. 242.)

(*Dulcamara* "has been used with advantage in some obstinate cutaneous affections." )

---

Gunnen, J.E.

1766

(*Solanum caule inerme frutescenti flexuoso foliis superioribus, hastatis racemis cymosis.*)

Flora norvegica, etc., n.23; (Willdenow, Linne Species plantarum, 4 ed., v.1., p. 1028.)

The original was not available.

---

Haller, A.V.

1768

(*Solanum caule flexuoso; frutescenti foliis cordatis et tripartitis.*)

Historia stirpium, indigenarum Helveticae, etc., Tomni III, 575 Bunae; (Willdenow, Linne Species plantarum, 4 ed., v.1., p. 1028; Woodville, Medical Botany, v.2., p. 240; Gistpflanzenbuch, etc., new ed., p. 124; Hamilton, E., The flora homaeopathica, v.1., p. 261; Curtiss, W., Flora Londinensis, v.1., p. 14.)

The original was not available.

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Necker, N.J. de

1768

(*Solanum scandens.*)

Deliciae gallo-belgicae sylvestri, p. 119; (Willdenow, Linne Species plantarum, 4 ed., v.1., p. 1028.)

The original was not available.

---

Gmelin, I.G.

1769

(*Solanum caule inermi frutescenti flexuoso, foliis superioribus, hastatis racemis cymosis.*)

Flora Sibirica, etc., v.4., p. 94; (Willdenow, Linne Species plantarum, 4 ed., v.1., p. 1028.)

The original was not available.

---

Hallenberg, G.

1771

(*Solanum Dulcamara.*)

Dissertationem medicam de Dulcamara, p. 9; (Woodville, Medical Botany, 2 ed., v.2., p. 24.)

The original was not available.

---

Cullen, W.

1775

*Solanum Dulcamara.*

Materia medica, v.2., p. 489; (Woodville, Medical Botany, v.2., p. 242.)

The berries are narcotic, while the leaves and bark are in a less degree, with the addition of a purgative virtue and more diuretic. This use was reported by Linnaeus who used two ounces of stipes in a decoction for every acrimony in the blood.

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Houttyn, W.

1775

*Solanum Dulcamara.*

Linne, Pflanzen system, ST.4, p. 240; (Willdenow, Linne Species plantarum, 4 ed., v.1., p. 1029.)

Describes the plant, gives several common names, its distribution, uses of several parts and references.

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Murray, J.A.

1776

(*Solanum Dulcamara.*)

Apparatus medicaminum, 1 ed., p. 424; (Woodville, Medical botany, v.2., p. 241; Mat. Med., 131; Ricke & Birge., Gist-pflanzenbuch, etc., new ed., p. 124.)

The original was not available.

---

Oeder, G.C.

1777

*Solanum Dulcamara.*

Flora Danica, t. 607; (Kunth K., Arnold officinale Gewachse D. Pharm. Bouissica, p. 216; Winkler, E., Real lexikon der medicinisch-pharmaceutischen naturgeschichte und rahwaaren-kind, v.2., p. 616; Trommsdorf, J.B., Handbuch der pharmaceutischen waarenkunde, 1 ed., p. 183; Ibid., 2 ed., p. 190; Hamilton, E., The flora homaeopathica, v.1., p. 261; Pursh, P., Flora Americae septentrionalis, v.1., p. 156; Willdenow, Linne Species plantarum, 4 ed., v.1., p. 1028; Woodville, Medical botany, 2 ed., p. 240; Mat. Med., 1 ed., p. 66; Ibid., 2 ed., p. 66.)

Gives full page colored illustration of flowering and fruiting branch of *Solanum Dulcamara.*

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Pattich, J.A.

1777

(*Solanum caule inerme frutescenti flexuoso, foliis superioribus, hastatis racemis symosis.*)

Historia plantarum in palatinatu electorali sponte crescentium, n.228; (Willdenow, *Linne Species plantarum*, 4 ed., v.1., p. 1028.)

The original was not available.

---

Zorn, J.

1779

(*Dulcamarae Stipites.*)

Icones plantarum medicinalium, tab. 43; (Trommsdorf, *Handbuch der pharmaceutischen waarenkunde*, 1 ed., p. 183; *Ibid.*, 2 ed., p. 190.)

The original was not available.

---

Bulliard, P.

1780

(*Solanum Dulcamara.*)

Herbier de la France, t. 23; (Kunth, *officinelle Gewachse D. pharm. Barussica*, p. 216; Winkle, *Real lexikon der medicinisch-pharmaceutischen naturgeschichte und rahwaarenkunde*, v.2., p. 616.)

The original was not available.

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Scheele, C.W.

(before 1785)

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Wittsteins, *Chemische Weeke*, v.2., p. 378; (*Crell's Chem. Am.*, 1785, v.2., p. 291; *Vierteljahns, prakt. pharm.*, 1., p. 364.)

Isolated chiefly Citric and small amounts of Malic acid from the fruit of *Solanum Dulcamara*.

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Fuchs, --.

1786 & 1787

(Chemische Geschichte des Solanum Dulcamara, nebst eigenen verariechen mit den Stanjeln desselben.)

Crells, Chem. Annal., 1786, v.2., p. 421; 1787, v.1., p. 46; (Wittsteins, Vierteljahresschrift Prakt. Pharm., 1, 364.)

(Investigated fruit, leaves, and stems of Solanum Dulcamara, as to their physiological activity and found them all active.)

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Roth, A.W.

1788 & 1789

(Solanum caule inermi frutescente, flexuoso, foliis superioribus, hastatis racemis cymosis.)

Tentamen flora, Germanicae, v.1., 95, II, p. 2; 243; (Willdenow, Linne Species plantarum, 4 ed., v.1., p. 1028; Hayne, F.G., Darstellung und beschreibung des arzneigewechse, v.2., p. 39.)

The original was not available.

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Woodville, W.

1790

Solanum Dulcamara.

Med. Bot., 1 ed., v.--., p.--; Ibid., 2 ed., v.2., p. 237 t. 84; t. 33; (Wood & Bache, U.S. Dispens., 2 ed., p. 289; Ibid., 3 ed., p. 280; Ibid., 4 ed., p. 290; Ibid., 5 ed., p. 305; Ibid., 6 ed., p. 305; Ibid., 7 ed., p. 305; Ibid., 8 ed., p. 305; Ibid., 9 ed., p. 311; Ibid., 10 ed., p. 318; Ibid., 11 ed., p. 332; Ibid., 12 ed., p. 358; Ibid., 13 ed., p. 369; Ibid., 14 ed., p. 384; Ibid., 15 ed., p. 530; Ibid., 16 ed., p. 545; Ibid., 17 ed., p. 481; Biglow, Am. Med. Botany, v.1., p. 175; An American Physician, Eclectic Dispens., p. 240; t.85; 1 ed., p. 277., Stille & Maisch, Nat. Dispens., 1 ed., p. 508; Ibid., 2 ed., p. 518; Ibid., 3 ed., p. 556; Ibid., 5 ed., p. 590; Giftpflanzenbuch, etc., new ed., p. 124; Withering, Botany, v.2., p. 251; Bently & Tremen, Medical plants, v.3., p. 190; Lindley, J., Flora medica, p. 511.)

Gives description of plant with full page diagram and tells that Dulcamara does not have narcotic properties.

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Moench, C.

1794

(*Dulcamara flexuosa*.)

Methodus plantarum, p. 514; (Hamilton, The flora homaeopathica, v.1., p. 261.)

The original was not available.

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Willdenow, C.L.

1797

*Solanum Dulcamara*.

Linne, Species plantarum, v.1., p. 1028; (Wood & Bache, U.S. Dispens., 2 ed., p. 288; Ibid., 3 ed., p. 280; Ibid., 4 ed., p. 290; Ibid., 5 ed., p. 305; Ibid., 6 ed., p. 305; Ibid., 7 ed., p. 305; Ibid., 8 ed., p. 305; Ibid., 9 ed., p. 311; Ibid., 10 ed., p. 318; Ibid., 11 ed., p. 332; Ibid., 12 ed., p. 358; Ibid., 13 ed., p. 369; Ibid., 14 ed., p. 384; Ibid., 15 ed., p. 530; Ibid., 16 ed., p. 545; Ibid., 17 ed., p. 481; Am. Dispens., 1 ed., p. 595; Ibid., 4 ed., p. 516; Hayne, F.G., Darstellung und Beschreibung des Arzneigewaechse, v.2., p. 39; Hamilton, E., The flora homaeopathica, v.1., p. 262.)

Gives six descriptive scientific names with references, habitat, and a common german name.

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Hudson, W.

1798

(*Solanum caule flexuoso frutescente, foliis supremis tripartitis and cordato lanceolatis*.)

Flora anglica, p. 78; (Woodvile, Medical botany, v.2., p. 240; Curtiss, W., Flora londinensis, v.1., p. 14.)

The original was not available.

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Sturm, J.

1798

(*Solanum Dulcamara*.)

Deutschlands flora, etc., v.1., H ft. 18, p. --; (Winkler, Real lexicon der medicanisch-pharmaceutischen naturgeschichte und Rahwaarunkunde, v.2., p. 661.)

(The original was not available.)

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Schmidt, F.

1800

*Solanum Dulcamara.*

Oestreichs allgemeine Baumzuelet, v.3., t.146; (Winkler, Real-lexikon der medicinisch pharmaceutische naturgeschichte und Rahwaarunkinde, v.2., p. 661.)

The original was not available.

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Withering, W.

1801

*Solanum caule flexuoso frutescente foliis supremis tripartities and cordato lanceolatis.*

Botanical arrangement, 1 ed., 250; (Woodville, Medical botany, 2 ed., v.2., p. 240.)

Gives a description of stems, blossoms, fruit, and leaves of *Solanum Dulcamara*.

---

Gmelin, J.F.

1803

Stinkendes nachschatten *Solanum Factidum.*

Pflanzengiste, 2 ed., p. 409; (Riecke & Berge, Gistpflanzenbuch, etc., new ed., p. 124.)

*Solanum Dulcamara* Linne is quite different in appearance from the above species and also non-poisonous from which statement he quotes Brunwell.

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Coxe, J.R.

1806

*Solanum Dulcamara. Dulcamara. Stipites.*

Am. Dispens., 1 ed., p. 596; Ibid., 4 ed., p. 516; Ibid., 6 ed., p. 261; Ibid., 7 ed., p. 271; Ibid., 8 ed., p. 275; Ibid., 9 ed., p. 301.)

Gives description of the plant, synonyms, habitat, scientific name, family, and medical use.

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Trommsdorf, J.B.

1806

Dulcamarae Stipites.

Handbuch der pharmaceutischen waarenkunde, 1 ed., p. 183;  
Ibid., 2 ed., p. 190.

Gives common german names of bittersweet, describes the drug, the plant yielding it and other parts, habitat, with three references to illustrations.

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Dietrich, F.G.

1802-1810

(Solanum Dulcamara.)

Vollstandiges Lerikin der Gaertnerei u. Bitanik, v.4., p. 308;  
(Rieche & Berge, Gistpflanzenbuch, etc., new ed., p. 124.)

The original was not available.

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Thacker, J.

1810

Solanum Dulcamara.

New Am. Dispens., 1 ed., p. 212; Ibid., 2 ed., p. 341; Ibid.,  
4 ed., p. 376.

Gives the synonyms, part used, habitat and medical uses, of Dulcamara.

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Dunal, M.F.

1813

(Solanum Dulcamara.)

Histoire naturelle, medicale et economique des Solanum, etc.,  
p. --; (Bentley & Trimen, Medical plants, v.3., p. 190.)

The original was not available.

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Pursh, P.

1814

*Solanum Dulcamara.*

Flor. Americae septentrionalis, v.1., p. 156; (Biglow, Am. Med. Botany, v.1., p. 175.)

Gives color of flower, berries, and several references to *Solanum Dulcamara*.

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Ewell, J.

1817

Woody nightshade.

Med. Comp., 3 ed., p. 365; Ibid., 7 ed., p. 643.

Gives the habitat, explains the name bittersweet, because it is first sweet and then bitter, the uses, the juice and leaves.

---

Curtiss, W.

1817

*Solanum caule flexuoso frutescento foliis supremis tripastritis and cordato lanceolatis.*

Flora Londinensis, v.1., p. 14; (Woodville, Medical botany, v.2., p. 240; Withering, Botanical arrangement, v.2., p. 250.)

Gives description of the root, seed, flower, and gives several references with a statement of each man's experiences with *Solanum Dulcamara*.

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Juch, K.W.

1817

(*Solanum Dulcamara.*)

Die Siftpflanzen, h.8., p. 30; (Reiche & Berge, Giftpflanzenbuch, new ed., p. 124.)

The original was not available.

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## Solanum Dulcamara.

Am. Med. Bot., v.1., p. 169; (Wood & Bache, U.S. Dispens., 2 ed., p. 281; Ibid., 3 ed., p. 280; Ibid., 4 ed., p. 290; Ibid., p. 304., 5 ed.,; Ibid., 6 ed., p. 305; Ibid., 7 ed., p. 305; Ibid., 8 ed., p. 305; Ibid., 9 ed., p. 311; Ibid., 10 ed., p. 318; Ibid., 11 ed., p. 332; Ibid., 12 ed., p. 358; Ibid., 13 ed., p. 369; Ibid., 14 ed., p. 384; Ibid., 15 ed., p. 530; Ibid., 16 ed., p. 545; Ibid., 17 ed., p. 481; Mentley & Tremin, Medical plants, v.3., p. 190.)

Gives a colored illustration of the plant, habitat, family, genus, species, taste and smell, soluble portions, effect on cutaneous affections, and poisonous effect of decoction of Solanum Dulcamara.

Desfasses, M.

1821

Examen du principe narcotique de la morelle (Solanum nigrum.)

Bull. de la soc. med. d'emulation, 4 ed., p. 241; (Jour. de pharm., v.2., p. 414; Wittstein, Vierteljahresschrift fu prakt. pharm., 1 p. 365; Meyer, A., Wissenschaftliche Drogenkunde, v.1., p. 83; Ibid., v.2., p. 84.)

Gives method of isolating Solanine from Solanum Dulcamara.

Mofzlu, ---.

1821

(Solanum Dulcamara.)

Handbuch, p. 352; (Riecke & Birge, Giftpflanzenbuch, etc., new ed., p. 124.)

The original was not available.

Nees von Esenbeck, T.F.F. & three others

1821

Solanum Dulcamara.

Plantae officinale, t. 188; (Winkler, E., Real-lexikon er Medicinisch pharmaceutische naturgeschichte und Rohwaarenkunde, v. 2., p. 661; Nees V., Esenbeck und Eleumaic, Handbuch her medicinisch pharmaceutischen Botanik, v.2., p. 606; Bentley & Tremin, Medical plants, v.3., p. 190; Riecke & Berge, Giftpflanzenbuch, etc., new ed., p. 124.)

Gives a full page colored illustration of a flowering and fruiting branch of Solanum Dulcamara.

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Pfaff, --.

1821

Stipites Dulcamara.

System der Materia Medica, v.1., p. 505; (Wittstein, Vierteljahresschrift fiur prakt. pharm., 1., p. 365.)

Gives habitat, uses, synonyms, and therapeutic effect of Solanum Dulcamara.

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Seigus, --.

(before 1823)

(Solanum Dulcamara.)

Pharmaceutisch Botanick, 2 ed., p. 560; Nees von Exenbeck & Oierback, G, 560; (Berge, Giftpflanzenbuch, etc., new ed., p. 124.)

The original was not available.

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Richards, A.

1823

(Solanum Dulcamara.)

Botanique medicale, v.1., G. 465; (Berge, Giftpflanzenbuch, etc., new ed., p. 124.)

The original was not available.

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Solanum Dulcamara.

Eclectic Dispensatory, 1 ed., p. 277.

Gives the latinized title, English title, synonyms in different languages, qualities, and medical use of Dulcamara.

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Peschier, C.

1827

Manier de separes avantageusement la Solanine, et determination de l' acide existant dans les Solanees.

Journ. de Chem. med., 3., p. 289; (Wittstein, Vierteljahresschrift fuu prakt. pharm., 1., p. 366.)

Describes his method of isolating Solanine from various species of the Solanaceae family, and also an acid which he names Solanic acid after describing its chemical properties.

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Stephanson, J. & Churchill, J.M.

1827

(Solanum Dulcamara.)

Medical botany, v.1., t. 17; (Bentley & Tremin, Medical plants, v.3., p. 190.)

The original was not available.

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Murray, J.

1828

Solanum Dulcamara.

A System of Materia Medica and Pharmacy, 4 ed., p. 218; Ibid., 6 ed., p. 294.

The young twigs or branches are the part used in medicine, and when chewed have a bitter taste followed by sweetness, a peculiarity whence its name is derived; their smell is strong and disagreeable. The plant has narcotic and diuretic properties. Infusion or decoction from stalks has been recommended for dropsy but is rarely prescribed.

---

Wagner, D.

1828

(Solanum Dulcamara.)

Pharmaceutisch-medizinische Botanik, etc., v.1., t. 46;  
(Winkler, Real-lexikon der medicinisch pharmaceutische natur-  
geschichte und Rohwaarunkinde, v.2., p. 661.)

The original was not available.

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Biltz, H.

1829

Über Solanin.

Trommsdorffs Neues Journ. der Pharm., 18, 1, 194; (Wittsteins,  
Vierteljahresschrift für prakt. pharm., 1, p. 366.)

Isolates Solonine from Solanum Dulcamara and other  
species of Solanum and describes its physical and chemical  
properties.

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Orfila, P.M.J.B.

1829-31

(Solanum Dulcamara.)

Toxikologie, deutsch von Ruhn. bd. 2, G. 163; (Berge, Gift-  
pflanzenbuch, etc., new ed., p. 124.)

The original was not available.

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Henry, O.

1832

Sur la delphine et la Solanine.

Journ. de pharm., 18, p. 661; (Wittstein, Vierteljahresschrift,  
für prakt. pharm., 1, p. 367.)

Isolates an alkaloid from stem of Solanum Dulcamara which  
is identical with Solanine. Gives its physical and chemical  
properties and an elementary analysis.

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Guinapel, F. & Schlechtendahl, D.F.L.

1830

(Solanum Dulcamara.)

Arbildung und Beschreibung aller in der Pharm. Bourissica, etc., t.12; Ibid., t.9; (Winkler, Real-Lexikon der medicinisch pharmaceutischen naturgeschichte und Rohwaarunkinde, v.2., p. 661.)

The original was not available.

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Esenbeck Nees F. & Ebermaier, K.H.

1831

Solanum Dulcamara.

Handbuch der medicinisch pharmaceutischen Botanik, v.2., p. 606.

Describes condition under which the plant grows, plant itself, parts, part used in medicine, its medicinal properties, with references, and constituents of Solanum Dulcamara.

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Blanchet, P.R.

1833

Sur la composition de la Solanine.

Annales de Chemie et de phys., (2) 53, p. 414; (Annes der Chem. U. pharm., p. 152; Wittstein, Vierteljahresschrift fuu prakt. pharm., 1, p. 367.)

Makes an elementary analysis of Solonine as prepared by J. Otto, (q.v.) recording amount of carbon, hydrogen, nitrogen, and oxygen.

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Otto, P.J.

1833

Sur la Solanine.

Annales de Chemie et de phys., (2) 53, p. 412.

Describes method of preparing Solanine and mentions a number of physical and chemical properties. Describes several of its salts.

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## Solanum Dulcamara.

Plantae Medicinales, t. 119; (Winkler, Real-Lexikon der medicinisch pharmaceutische naturgeschichte und Rohwaarundkinde, v.2., p. 661; Kunth, Officinale Cervachse D. pharm., Borussica, p. 216; Giftpflanzenbuch, etc, new ed., p. 124.)

Gives the scientific name, synonym, properties and uses of Solanum Dulcamara.

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## Solanum Dulcamara.

Aneleitung zur Kenntniss sammtlicher in der pharmacopoea Borussica aufgeführten officinellen Gewachse, p. 216.

A detailed description of the plant, its several parts, habitat, part used, general properties, allied plants, and six references to Solanum Dulcamara.

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## Dulcamara, U.S.

U.S. Dispens., 2 ed., p. 289; Ibid., 3 ed., p. 280; Ibid., 4 ed., p. 289; Ibid., 5 ed., p. 304; Ibid., 6 ed., p. 305; Ibid., 7 ed., p. 304; Ibid., 8 ed., p. 304; Ibid., 9 ed., p. 311; Ibid., 10 ed., p. 317; Ibid., 11 ed., p. 331; Ibid., 12 ed., p. 357; Ibid., 13 ed., p. 368; Ibid., 14 ed., p. 383; Ibid., 15 ed., p. 530; Ibid., 16 ed., p. 545; Ibid., 17 ed., p. 481; Ibid., 19 ed., p. 1655; Ibid., 20 ed., p. 1618; Ibid., 21 ed., p. 417.

Gives the English name, synonyms, part used, habitat, and medical uses of Dulcamara.

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Saubeiran, E.

(1835)

(Sur la lixivation applique aux matieres o'origine vegetale et animale).

Bull. gen de Therap., 9, p. 349 & 382; (Am. Journ Pharm., v.8., p. 225.)

Original not available.

(Gives the amount of water and the amount of soluble constituents in Solanum Dulcamara.)

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Winkler, E.

1834-36

(Solanum Dulcamara.)

Abbildungen der homoopaethische gepriift, etc., arzneigen-  
aechse, yelehe, t. 59; (Winkler, Real <sup>u</sup>exikon der medicinisch  
pharmaceutische naturgeschichte und Rohwaarendkine, v.2.,  
p. 661.)

The original was not available.

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Hayes, I.

1836

(Solanum Dulcamara.)

Am. Cyclo. of Pract. Med., v.2., p. 23; (Wood & Bache, U.S.  
Dispens., 3 ed., p. 281; Ibid., 4 ed., p. 291; Ibid., 5 ed.,  
p. 306; Ibid., 6 ed., p. 307.)

(Gives the properties and the reaction of Solanum  
Dulcamara on the system.)

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Guibourt, N.J.B.G.

1836

Tige de Douce-Amere, Solanum Dulcamara.

Historie abregie des Drogues simples, 3 ed., v.1., p. 637;  
Ibid., 6 ed., p. 499.

Gives botanical classification of plant, describes  
its several parts, the properties, and uses of the stem of  
Solanum Dulcamara.

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Simes, J.W.

1836

On Solanum Dulcamara.

Am. Journ. Pharm., 8, p. 15.

In an inaugural thesis of the Philadelphia College of Pharmacy, gives different preparations in which Dulcamara enters, part used, synonyms, and preservations.

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Zenker, J.K.

1836-1848

(Solanum Dulcamara.)

Flora, von Thuringen, etc, p.--, tab.--; (Berge, Giftpflanzenbuch, etc., new ed., p. 124.)

The original was not available.

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Brandt, J.F. & Ratzeburg, J.F.C.

1838

(Solanum Dulcamara.)

Pharmaceutische Giftgenachse, t. 18; (Winkler, Real-lexikon der medicinisch pharmaceutische naturgeschichte und Rohwaa-  
runkinde, v.2., p. 661.)

The original was not available.

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Dieterich, D.N.F.

1838

(Solanum Dulcamara.)

Taschenbuch der arzneigewaechse deutshlands urzneigen, t.12;  
(Giftpflanzenbuch, etc., new ed., p. 124.)

The original was not available.

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Gobernheim, --. & Gimon, --.

1838

(Solanum Dulcamara.)

Toxikologii, p. 539; (Berge, Giftpflanzenbuch, etc, new ed., p. 124.)

The original was not available.

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Lindley, J.

1838

Solanum Dulcamara.

Flora medica, p. 511; (Bentley & Trimen, Medical plants, v.3., p. 190.)

Gives a description of the stems, leaves, flowers, and berries of Solanum Dulcamara.

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Winckler, L.F.

1841

Über das Solanin der Bittersusstengel.

Jahrbuch für prak. pharm. und verwandte facher, 4, p. 143; (Wittstein, Vierteljahrlichen prakt. pharm., v.1., p. 368.)

He obtains Solanin from stem of bitter-sweet and compares it with that obtained from potatoe sprouts according to physical and chemical properties and records his results.

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Oken, L.

1841

(Solanum Dulcamara.)

Allgemeine naturgeschichte, v.3., 2, G.988; (Berge, Giftpflanzenbuch, etc., new ed., p. 124.)

The original was not available.

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Winckler, F.L.

1841

Über das Solanin der Bittersussstengel.

Jahrb. F. pr. pharm., 5, p. 143; (Wittstein, Vierteljahresschrift für prakt. pharm., 1, p. 368.)

Compares Solanine obtained from stem of Solanum Dulcamara and the sprouts of Solanum tuberosum and records his results as to differences in appearance, solubility in alcohol and behavior to several reagents.

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Endlicher, S.L.

1842

(Solanum Dulcamara.)

Die medicinalpflanzen der obster pharmacopoe, etc., g. 346; (Berge, Giftpflanzenbuch, etc., new ed., p. 124.)

The original was not available.

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Winkler, E.

1842

Solanum Dulcamara.

Real-Lexikon der medicinischpharmaceutischen naturgeschichte und Rohwaarenkunde, v.2., p. 661.

Lists common names, references, gives description of plant, its several parts, part used, synonyms, constituents and adulterants of Solanum Dulcamara.

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Winkler, E.

1842

Solanum Dulcamara.

Giftgenaechse Deutschland, t.57; (Winkler, Real Lexikon der medicinisch pharmaceutische naturgeschichte und Rohwaarenkunde, v.2., p. 661.)

The original was not available.

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Buchner, A.

1846

Stipites Dulcamarae.

Buchner's neues repertor. f. d. pharm., s.2, v.44., p. 70;  
(Wittsteins, Vierteljahresschrift fur prakt. pharm., 1, p.368.)

Several questions are asked relative to the value of Bittersweet as to yield of extractive to water and alcohol, respectively, nature of the extract, solanine content, and relation of solanine to glycyrrhizin.

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Gutupper, J.

1846

(Solanum Dulcamara.)

Medicinisch pharmaceutische batand., v.1., 57, C.29;  
(Berge, Giftpflanzenbuch, etc., new ed., p. 124.)

The original was not available.

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Hohenack, H.

1846

(Solanum Dulcamara.)

Arzneipflanzen, N:O, 489; (Fristedt, Larobok organick  
pharmakologi, p. 122.)

The original was not available.

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Hassold, L.

1847

Stipites Dulcamarae.

Buchner, neues Repert. f. d. pharm., 47, p. 204; (Wittstein,  
Vierteljahresschrift fur prakt. pharm., 1, p. 368.)

Attempts to answer a number of questions concerning the active principle of bittersweet and reports results obtained.

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Watson, H.C.

1847

(Solanum Dulcamara.)

Cybele Britannica, p. 252; (Bentley & Trimer, Medical plants, v.3., p. 190.)

The original was not available.

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Reichenbach, H.G.L.

1848

(Solanum Dulcamara.)

Icones Florae, v.10., t. 1633; (Bentley & Trimer, Medical plants, v.3., p. 190.)

The original was not available.

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1850

(Solanum Dulcamara.)

Wochenschrift, --, p.--; (London Med. Gaz., p. 548; Wood, & Bache, 9 ed., p. 313; Ibid., 10 ed., p. 320; Ibid., 11 ed., p. 334; Ibid., 12 ed., p. 360; Ibid., 13 ed., p. 371; Ibid., 14 ed., p. 386; Ibid., 15 ed., p. 532; Ibid., 16 ed., p. 546; Ibid., 17 ed., p. 482; Ibid., 19 ed., p. 1656; Bauhin Pinax, v.2., p. 167.)

The original was not available.

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Plaetschke, P.

(1851)

(Poisoning with Dulcamara.)

Caspers Wochenschrift, 19, p. 14. London med. Gaz., 2 ed., p. 64; (Am. Journ. pharm., 23, p. 181.)

(Tells of the effect of Dulcamara when used internally. It reacts as a poison to the system.)

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Gray, A.

1852

(*Dulcamara flexuosa*.)

Natural arrangement, v.2, p. 331; (Hamilton, E., *The Flora Homoeopathica*, v.1., p. 261.)

The original was not available.

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Guibourt, N.J.B.G.

1852

*Solanum Dulcamara*.

*Historie natural de las Drogas simples*, 4 ed., v.2., p. 329.

Describes *Solanum Dulcamara*, its several parts, particularly the stem, and the uses of the latter in medicine.

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King, J.

1852

*Solanum Dulcamara*.

*Am. Disp.*, 1 ed., p. 382; *Ibid.*, 6 ed., p. 896; *Ibid.*, 8 ed., p. 794; *Ibid.*, 10 ed., p. 794; *Ibid.*, 15 ed., p. 467; *Ibid.*, 16 ed., p. 695; *Ibid.*, 18 ed., p. 667.

Gives the history, properties, uses, official preparations, and official latinized title of *Solanum Dulcamara*.

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Hamilton, E.

1852

*Solanum Dulcamara*.

*The Flora Homoeopathica*, v.1., p. 261.

Gives synonyms, foreign names, general characters, history, description, geographical distribution, localities, parts used in medicine, physiological effects on man, medical uses, clinical observation, antidote, and a full page illustration of *Solanum Dulcamara*.

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Syme, J.T.B.

1852

(Solanum Dulcamara.)

English Botany, 1 ed., v.6., t. 930; (Bentley & Tremen,  
Medical plants, v.3., p. 190.)

The original was not available.

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Weigen, --.

1852

(Solanum Dulcamara.)

Deutschland's flora, v.1., p. 423; (Birge, Giftpflanzenbuch,  
etc., new ed., p. 124.)

The original was not available.

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Smith, J.E.

1852

Solanum Dulcamara.

Engl. Botany, g. 100, t.565, Sp. I.; (Coxe, Am. Dispens.,  
4 ed., p. 516; Biglow, J. Am. Med. Botany; Lindley, J.,  
Flora medica, p. 511; Kunth, Officinale Gervachse D. pharm.  
Barussica, p. 216; Winkler, Real-lexikondu medicinisch  
pharmaceutische naturgeschichte und Ruhwaarenkunde, v.2.,  
p. 661; Withering, Medical botany, v.2., p. 250.)

Gives history, properties and uses and official  
preparations of Solanum Dulcamara.

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Smith, J.E.

1852

(Solanum Dulcamara.)

Flora Britannica, p. 256; (King, Eclectic Dispens., 1 ed.,  
p. 382.)

The original was not available.

---

Syme, J.T.B.

1852

(Solanum Dulcamara.)

English Botany, 1 ed., v.6., t. 930; (Bentley & Tremen,  
Medical plants, v.3., p. 190.)

The original was not available.

---

Weigen, --.

1852

(Solanum Dulcamara.)

Deutschland's flora, v.1., p. 423; (Birge, Giftpflanzenbuch,  
etc., new ed., p. 124.)

The original was not available.

---

Smith, J.E.

1852

Solanum Dulcamara.

Engl. Botany, g. 100, t.565, Sp. I.; (Coxe, Am. Dispens.,  
4 ed., p. 516; Biglow, J. Am. Med. Botany; Lindley, J.,  
Flora medica, p. 511; Kunth, Officinelle Gervachse D. pharm.  
Barussica, p. 216; Winkler, Real-lexikondu medicinisch  
pharmaceutische naturgeschichte und Ruhwaarenkunde, v.2.,  
p. 661; Withering, Medical botany, v.2., p. 250.)

Gives history, properties and uses and official  
preparations of Solanum Dulcamara.

---

Smith, J.E.

1852

(Solanum Dulcamara.)

Flora Britannica, p. 256; (King, Eclectic Dispens., 1 ed.,  
p. 382.)

The original was not available.

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Willdenow, C.S.

1852

(*Solanum Dulcamara.*)

Anleitung zum Selbststudium der Botanik, p. 132; (Berge, Giftpflanzenbuch, etc., new ed., p. 124.)

The original was not available.

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1854

(*Solanum Dulcamara.*)

Med. Chir. Rev., Am. ed., p. 189; Arch. Gen. de. Med., p. 360; Bull. gen. de. therap., v.2., p. 56; (Wood & Bache, U.S. Dispens., 11 ed., p. 333; Ibid., 12 ed., p. 359; Ibid., 13 ed., p. 371; Ibid., 14 ed., p. 385; Ibid., 16 ed., p. 546; Ibid., 17 ed., p. 531.)

The original was not available.

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Hayne, F.G.

1854

*Solanum Dulcamara.*

Darstellung und Beschreibung des arzneigewächse, v.2., p. 39; (Winkler, F., Real Lexikon der medicinische pharmaceutische naturgeschichte und Rohwaarenkunde, v.2., p. 661; Organisk pharmakologi, p. 122; Bentley & Trimen, Medical plants, v.3., p. 190; Kunth, K., Arnold officenelle Gewachse D.pharm. Borussica, p. 216; Trommsdorf, J.B., Handbuch der pharmaceutischen waarenkunde, 2 ed., p. 190; Giftpflanzenbuch, etc., new ed., p. 124; Esenbece Nus.V. Hanbuch der medicinisch pharmaceutischen Botanik, v.2., p. 606.)

Gives Linnean classification, scientific names, scientific synonyms with references, common names, places of growth, parts used, properties, uses, and a full page colored illustration of *Solanum Dulcamara.*

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Hoffmann, H.

1854

*Solanum (Dulcamara) caule inerme frutescente flexuoso, foliis superioribus hastatis, racemis cymosis.*

Deutschland's flora, p. I, p. 78; (Hayne, Darstellung und Beschreibung des arzneigewachse, v.2., p. 39; Willdenow, Linne Species plantarum, v.1., p. 1028.)

The original was not available.

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Pittenkofer, M.

1854

Vorlaufige mittheilung uber das vorkommen der Gerbsauren in den Holzpflanzen und deren zusammenhang mit der Holzbellding.

Buchner's neues repertorium, 3, p. 74; (Am. Jour. pharm., 27, p. 54; Chem. Gaz., 12, p. 369.)

Tannic acid is present in a number of perennial plants including *Solanum Dulcamara*.

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Riecke, V.A.

1855

Der Kletternde nachschatten .

Giftpflanzenbuch, etc., new ed., p. 124.

Gives several scientific synonyms, various common names, description of plant, distribution, time of flowering, uses and explanation of colored plant and references.

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Procter, W.

1856

A few hints relative to the collection of some indigenous drugs.

Am. Journ. pharm., 28, p. 412.

Gives time of collection, method of curing, and how the drugs should be milled to get the proper division of *Solanum Dulcamara*.

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Berg, O.

1857

Stipites Dulcamarae.

Pharmazeutische waarenkunde, 2 ed., p. 120.

Gives botanical origin, classification, description, part used, constituents and substitutes of Solanum Dulcamara.

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Wittstein, G.C.

1857

Chemische Geschichte des Solanum Dulcamara, nebst eigenen versuchen mit den stangeln desselben.

Vierteljahresschrift fur prakt. Pharm., 1, p. 364.

Gives an account of the substances that he has isolated from Solanum Dulcamara and the results of workers with other references.

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Berg, O.C. & Schmidt, C.F.

1858-63

(Solanum Dulcamara.)

Atlas der officinelle Gewaneche, 1 ed., v.---., t.20.b;  
(Fristedt, Organisk pharmakologi, p. 122; Bentley & Trimer,  
Medical plants, v.3., p. 190.)

(Describes plant, gives scientific synonyms with references, describes several parts of plant, especially part used, and explanation of full page colored illustration.)

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Lessing, B.

1859

Solanum Dulcamara.

Kurzer Abriss der materia medica, p. 353.

Gives common names, description of plant, constituents, parts used, preparations, medicinal properties and medicinal preparations of Solanum Dulcamara.

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(L'euphorbia Lathyris comme poison.)

Journ. de. medicine de Toulouse, v.---., p. ---.; (Repert. de. pharm., 7, p. 254; Proc. Am. pharm. assoc., 10, p. 116.)

(In discussing a poisonous action of the above plant attention is called to general recognition of the poisonous properties of the berries of Solanum Dulcamara as recorded by various authors. The original was not available.)

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Wydler, H.

1861

Kleinere Beitrage zur Kenntniss einheimischer Gewachse.

Mittheilungen d. naturf. Gesellsch. in Bun., no. 469, p. 2; (Fluckiger, J.A., Pharmakognosie des pflanzenreiches, p. 469; Meyer, A., Wissenschaftliche Drogenkunde, v.1., p. 83; v.2., p. 89.)

Describes plant and its several parts.

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Henkel, J.B.

1862

Solanum Dulcamara L. Bittersuss.

Medizenisch pharmazeutische botanik, p. 166.

A brief description of the plant, condition under which it grows, parts used, constituents, action, and substitutes of Solanum Dulcamara.

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Bruce Warren, J.P.

1865

The effects of soil and cultivation on the development of the active principles of plants.

Yrbk. Brit. Pharm. Conf., 2, p. 58; (Pharm. journ., v.25., p. 214; Ibid., v.38., p. 45.)

Gives chief constituents, how they were extracted from Solanum Dulcamara.

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Dulcamara. U.S., Br.

Pharm. Jour., 12 ed., p. 436; (Wood & Bache, U.S. Dispens., 12 ed., p. 358; Ibid., 13 ed., p. 370; Ibid., 14 ed., p. 384; Ibid., 15 ed., p. 530; Ibid., 16 ed., p. 545; Ibid., 17 ed., p. 481; Ibid., 19 ed., p. 1655; Ibid., 20 ed., p. 1618; Ibid., 21 ed., p. 418; Bentley & Trimen, Medical plants, v.3., p. 190)

Gives a description of the plant and tells that the plant was introduced into Europe and North America; it grows in shade and damp places the best. The alkaloids Solanin or Solaina are found in the stalks, leaves, and berries of Solanum Dulcamara.

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Solanum Dulcamara.

Pharmazeutische Botanik, 5 ed., p. 283.

Gives a brief technical description of the plant, place of growth and latin name of part used of Solanum Dulcamara.

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Solanum Dulcamara.

Materia medica, 2 ed., v. 2., part 1, p. 528; (Bentley & Trimen, Medical plants, v.3., p. 190.)

Gives botanical character, habitat, official character, physiological effects, therapeutics, and an illustration of a flowering and fruiting branch of Solanum Dulcamara.

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Schoonbroodt, L.

1867

(On the influence of drying on the active principles of plants.)

(Jour. de medic. de Bruxelles, 45, p. 320; Am. jour. pharm., 41, p. 320.)

(Tells part of plant used, color of tincture, odor of plant, residues left after distillation, color of extracts, and action when treated with CaO and alcoholic ether.)

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Garrod, O.

1868

(Solanum Dulcamara.)

Essentials of Materia medica, p. 285; (Bentley & Trimen, medical plants, v.3., p. 190.)

The original was not available.

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Berg, O.

1869

Stipites Dulcamara.

Pharmakognosie des pflanzen und Thuireichs, 4 ed., p. 137.

Gives botanical origin of Dulcamara, its habitat, describes plant, anotonical characteristics of stem, constituents and substitutes.

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Stoddart, W.W.

1870

Bristol pharmacology.

Pharm. jour., 30., p. 921.

The alkaloid Solanine is found in the stem of Solanum Dulcamara. Describes the method of obtaining the alkaloid.

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Husemann, A. & Husemann, T. 1871

Dulcamarin.

Die pflanzenstoffe, 1 ed., p. 429.

Reviews work done on Dulcamarin isolated from the stem of Solanum Dulcamara.

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Fristedt, R.F. 1873

Solanum Dulcamara.

Harbok organisk pharmakologi, p. 122.

Gives the distribution of Solanum Dulcamara, describes stem, method of collection, constituents, and allied drugs with references.

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Fluckiger, F.A. & Hanbury, D. 1874

Stipes Dulcamarae.

Pharmacographia, 1 ed., p. 404; Ibid., 2 ed., p. 451; (Wood & Bache, U.S. Dispens., 19 ed., p. 1656; Ibid., 20 ed., p. 1618; Pharm. jour., 71; p. 264; Bentley & Trimen, Medical plants, v.3., p. 190; Fluckiger, F.A., Pharmakognosie des pflanzenreiches, p. 469.)

Gives the chemical composition, uses, botanical origin, description and microscopic structure of Solanum Dulcamara.

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Freyberger, M.H. 1874

Stipites Dulcamarae. Bittersusstengel.

Die organischen droguen der neuen deutschen Reichspharmacopoe, p. 18.

Gives official latinized title of drug, its synonyms, family, botanical source, origin, color, constituents, habitat, adulterations, preparations and notes on Dulcamara.

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## Ueber den Bitterstoff von Solanum Dulcamara.

Archiv. a pharm., 207, p. 289; (Jahrsber. of pharmacog., p. 73; Dragendorff, Die Heilpflanzen der Verschiedenen Völker und zeiten, p. 593; Wood & Bache, U.S. Dispens., 6 ed., p. 306; Ibid., 7 ed., p. 306; Ibid., 8 ed., p. 305; Ibid., 9 ed., p. 319; Ibid., 12 ed., p. 359; Ibid., 13 ed., p. 371; Ibid., 14 ed., p. 385.)

Isolates a bitter principle which he names Dulcumarin, studies its decomposition into the sugar and non-sugar parts.

## The Bitter Constituents of Solanum Dulcamara.

Pharm. Jour., 35., p. 1010.

Tells how an alkaloid was isolated from the stem of Solanum Dulcamara.

## The Month.

Pharm. Jour., 36., p. 1057; Ibid., 39., p. 601; Ibid., 42, p. 341.

Among a number of plants observed in June, gives a description of the blossom, berry, flowers, and compares these parts of Solanum Dulcamara with Atropa Belladonna; also discusses the poisonous property of the berries.

## Dieuce-Amere.

Historie des drogues, v.2., p. 126.

Gives common names in several languages, botanical origin of plant, history, description, microscopic structure, chemical composition, uses and illustration of a flowering and fruiting branch of Solanum Dulcamara.

## Solanum Dulcamara.

Science Gossip, 14, p. 40; (Science Gossip, 14, p. 93.)

The evidence of several articles points to innocuous properties of the berries of Solanum Dulcamara. It operates as a diaphoretic, diuretic, and demulcent, and in overdose as an acronarcotic; but many have given fruit and preparations from young branches in large doses without any effect. Why do we not hear more of their toxicological effects, when so many of our damp hedges are so profusely adorned with their tempting berries.

---

Watney, H.G.

1878

Poisonous properties of the Fluid of the "Solanum Dulcamara".

Science Gossip, 14., p. 215.

"To many children the berries of this plant are injurious, but I have seen cases where children have eaten "dead men's cherries", as the fruit of bittersweet or woody-nightshade are often called.--effects which would probably ended sadly had not prompt measures been taken. The twigs and leaves of Solanum Dulcamara possess medical properties."

---

Ulyett, H.

1878

## Solanum Dulcamara.

Science Gossip, 14., p. 166; (Science Gossip, 14., p. 215.)

"In 1869 one of my pupils ate a lot of the berries of Solanum Dulcamara and upon returning home became very sick. The physician said that his eyes were dilated and that he thought he had been eating the berries of Atropa Belladonna. Ice in large quantities was applied to the patient's head and the patient soon recovered."

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----- . 1878

Solanum Dulcamara.

Science Gossip, 14., p. 93; (Chem. & Drugg., 20., p. 169.)

Two fatal cases have occurred in neighborhood of Athyl due to poisoning by bittersweet.

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Mortan, -- .

1878

Solanum Dulcamara.

Science Gossip, 14., p. 18; (Science Gossip, 14., p. 40.)

Asks if anyone can tell him of the properties of the berries of Solanum Dulcamara.

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Berg, O.

1879

Stipites Dulcamarae.

Pharmakognosie des pflanzen und Thuireichs, 5 ed., p. 131.

Gives botanical origin, classification, description, part used, constituents, and substitutes of Solanum Dulcamara.

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Stille, A. & Maisch, J.M.

1879

Solanum Dulcamara.

Nat. Dispens., 1 ed., p. 508; Ibid., 2 ed., p. 518; Ibid., 3 ed., p. 556; Ibid., 5 ed., p. 590.

Gives the family, botanical origin, description of plant, and constituents of Solanum Dulcamara.

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Sayre, L.E.

1879

Dulcamara.

Conspicuous of organic materia medica & pharmacol. botany,  
p. 90.

Gives a description of the plant and tells that it contains Solanine, supposed to exist combined with Malic acid. The taste is said to be due to a peculiar principle called picroglycion; also resin, wax, etc.

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Vogel, A.

1879

Uber Saurereaktion der Bluthen.

(Sitzb. D. acad. Muenchen, 9, p. 21; Pharm. Rev., 26., p. 144;  
Chem. Centralbl., 10, p. 534.)

Solanum Dulcamara has a violet colored flower with an acid reaction.

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Gren, --- & Godi, ---.

(before 1880)

(Solanum Dulcamara.)

Flora Francoise, v.2., p. 544; (Bentley & Trimen, Medical plants, v.3., p. 190.)

The original was not available.

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Bentley, R. & Trimen, H.

1880

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Med. plants, v.3., 190; (Stille & Maisch, Nat. Dispens., 1 ed., p. 509; Ibid., 2 ed., p. 518; Ibid., 3 ed., p. 556; Ibid., 5 ed., p. 590; Dymock, Warden, & Hooper, Pharmacographia, v.2., p. 549.)

Gives description, official part and name, medical properties and uses of Solanum Dulcamara with a full page colored illustration of the plant.

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Dymrek, W.

1880

(Solanum Dulcamara.)

(Dragendorff, Die Hülfpflanzen der Veischiedenen voolken und zeiten, p. 593.)

The original was not available.

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Fluckiger, F.A.

1881

Stipites Dulcamarae.

Pharmakognosie des pflanzenreiches, 2 ed., p. 469; Ibid., 3 ed., p. 705.

Gives common names in several languages, description of plant, part used, constituents and history with references.

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Husemann, A., Higler, A., & Husemann, J.

1882

Solanin.

Die pflanzenstoffe, 2 ed., v.2., p. 1148.

Gives references to the isolation of Solonine and Dulcamarin, both of which have been found in the stem of Solanum Dulcamara.

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Merrell, A.

1883

Dulcamara.

A Digest of Materia Medica and Pharmacy, p. 196.

Gives the family, constituents, preparation, used and dose of Solanum Dulcamara.

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Fluckiger, F.A.

1884

Stipites Dulcamarae--Bittersuss.

Grundriss der pharmakognosie, p. 189.

The plant is distributed throughout Europe, especially around the Mediterranean, part used, constituents and history of *Solanum Dulcamara*.

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Johnson, L.

1884

*Solanum Dulcamara*.

A manual of the Medical Botany of North America, p. 216.

Gives a description, illustrated with a diagram, habitat, parts used, constituents, preparations and medicinal properties of *Solanum Dulcamara*.

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Davis, F.

1886

Chemistry of *Solanum Dulcamara*.

Yrbk. Brit. Pharm. Conf., 39., p. 491; British & Colonial Druggist, v.42., p. 167; Chemist & Druggist, 61., p. 313; (Am. Jour. pharm., 74, p. 573.)

Discusses the alkaloids found in various parts of *Solanum Dulcamara* and discusses their physiological properties.

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Davis, F.

1886

*Solanum Dulcamara*.

Science Gossip, 22, p. 262; (Pharm. jour., 46., p. 355; Western Drugg., 8., p. 402.)

Discusses the physiological properties of the berries of *Solanum Dulcamara*.

---

Patrick, R.S.

1886

Yew Poisoning.

Science Gossip, 22, p. 119; (Science Gossip, 22, p. 214.)

This is what Mr. Lett tells about mice eating berries of *Solanum Dulcamara*. By-the-by, may I ask Mr. Lett whether the poisonous property of *Solanum Dulcamara* is really proved? I see C.A. Johns only speaks of them as "narcotic".

---

Ulliyett, H. (Folkestone)

1886

*Solanum Dulcamara*.

Science Gossip, 22, p. 214; (Science Gossip, 22, p. 262.)

In reply to the query of the Rev. R.S. Patrick, I can assure him of the poisonous nature of the berries of *Solanum Dulcamara*. Gave an example of a child eating the berries and the reaction of the berries on the child.

---

Kreuz, C.

1886

*Dulcamara*.

Pharmakognosie für den Erstuntenicht, p. 110.

Gives botanical origin, names of parts used, its anatomy, constituents and preparations of bittersweet.

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Lett, H.W.

1886

Mice eating Bittersweet Berries.

Science Gossip, 22, p. 164; (Science Gossip, 22, p. 191.)

Lett tells how mice have eaten the red berries and it does not seem to have any effect on them. He has not seen any birds eat these berries but he asks if any other animals can eat them with impunity.

---

Maisch, J.M.

1887

Dulcamara.

A Manual of Organic Materia Medica, 3 ed., p. 160; Ibid.,  
5 ed., p. 161; Ibid., 6 ed., p. 152.

Gives botanical origin, habitat, description, structure,  
constituents, properties and dose of Solanum Dulcamara.

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Muller, C.

1890

Solanum Dulcamara.

Medicinalflora, p. 491.

Gives a description of the plant, compared with closely  
related species and an illustration of a flowering and  
fruiting branch of Solanum Dulcamara.

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Parke Davis & Co.,

1890

Bittersweet.

Organic Materia Medica, 2 ed., p. 24.

Gives synonyms, properties, and parts used of Solanum  
Dulcamara.

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Dymeck, W., Warden, J.H., & Hooper, I.

1891

Solanum Dulcamara.

Pharmacographia of India, v.1., p. 549; (Bentley & Trimen,  
medical plants, v.3., p. 190.)

Gives habitat and synonyms of Solanum Dulcamara.

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Meyer, A. 1891

Stipites Dulcamarae.

Wissenschaftliche Drogenkunde, v.1., p. 83; v.2., p. 89.

Gives a number of references as to the botany and chemistry of bittersweet, method of collection, anatomy, microscopic characteristics, chemistry, history, and a full page of cuts with explanation.

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Stein, --. 1892

(Solanum Dulcamara.)

Prag. med. wochenschi, p. 126; (Dragendorff, Die Heilpflanzen der verschiedenen Völker und Zeiten, p. 593.)

The original was not available.

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Sayre, L.E. 1895

Dulcamara.

A Manual of organic materia medica and pharmacognosy, p. 329.

Gives botanical characteristics, habitat, description, constituents, action, use, official preparations and a half page diagram of a branch of Solanum Dulcamara.

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Rusby, H.H. 1896

Poisonous plants of the vicinity of New York.

Alumni Jour., 4, p. 307; (Merck's Report, 5, p. 306.)

Tells of deaths caused by eating the berries of Solanum Dulcamara and contrasts between Solanum Dulcamara and Alstruculus scandens or false climbing bittersweet.

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Hansen, A.

1897

Stipites Dulcamarae.

Drogenkunde, p. 63.

Describes the plant from which Dulcamara is obtained, the drug, its anatomy, constituents and uses.

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Brisseout, A. & Fvanin, A.

1898

Sur le ferment digitalinque.

Journal de pharmacie et de chemie, 9, v.8, p. 483; (Yrbk. Brit. pharm. conf., 36, p. 139.)

A similar substance to that which occurs in digitalis is found in the stems, leaves, and fruits of Solanum Dulcamara.

---

Chestnut, V.K.

(1898)

Solanum Dulcamara.

Preliminary catalogue of plants poisonous to Stock, p. 415.

Bittersweet is a European weed, now introduced in the north-eastern quarter of the U.S. The leaves are suspected of being poisonous to stock.

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Chestnut, V.K.

1898

Principal poisonous plants of the U.S.  
Solanum Dulcamara.

U.S. Dept. of Agriculture, Division of Botany, Bulletin no. 20, p. 53; (Merck's report, 8, p. 310; Ibid., 10, p. 48.)

The berries of Solanum Dulcamara have caused serious accidents among children and others who eat the fruit.

---

Dragendorff, G.

1898

Solanum Dulcamara.

Die Heilpflanzen der Verschiedenen Volker und Zeiten, p. 64.

Gives common names, habitat, part used, medicinal properties, constituents and history of Solanum Dulcamara.

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Kraemer, H.

1902

Solanum Dulcamara.

A text book of botany and pharmacognosy, 2 ed., p. 373; Ibid., 3 ed., p. 373; Ibid., 4 ed., p. 373.

Gives a description, lists the constituents, and habitat of Solanum Dulcamara.

---

Schmitthenner, F.

1905

Stipites Dulcamarae.

Pharmakognosie des pflanzen und treireiches, p. 153.

Gives botanical origin, distribution, description of stem and constituents of bittersweet.

---

Holmes, E.M.

1905

Cultivation of Medicinal plants.

Yrbk. Brit. pharm. conf., 42, p. 311; (Pharm. jour., 74, 690.)

Gives the type of soil and the type of plant best suited for growing Solanum Dulcamara.

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Wells, A.A. & Reeder, G.S.

1907

The Fruit of the *Celestrus Scandens* and *Solanum Dulcamara*.

Chem. news, 46, p. 199; (Proc. Am. pharm. assoc., 56, p. 195.)

Gives the habitat, methods of collection, and the method of testing for the presence of Atropine in the fruit of *Solanum Dulcamara*.

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Well, A.A. & Reeder, G.S.

1908

*Solanum Dulcamara*--proximate constituents of fruits.

Chem. news, Oct. 25, 1907, p. 199-200; (Proc. Am. Pharm. Assoc., 56, p. 195.)

Discusses the constituents isolated from the fruits of *Solanum Dulcamara*.

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Gray, A.

1908

*Solanum Dulcamara*.

Manual of Botany, U.S., 7 ed., p. 713; (Bentley & Trimen, Medical plants, v.3., p. 19.)

Gives description of leaves, flower, and berries of *Solanum Dulcamara*.

---

Shenstone, J.C.

1908

British poisonous plants.

Chem. & Drugg., 73, p. 162.

"The leaves of *Solanum Dulcamara* are narcotic, and the fruit is deleterious, but I have not found any fatal cases recorded."

---

Karsten, G. & Allmanns, F.

1909

Stipites Dulcamara.

Lehrbuch der pharmakognosie, 2 ed., p. 104.

Gives a description of a cross section of a stem of Solanum Dulcamara, indicating different structure, with a figure, and lists the various tissues.

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Zornig, H.

1909

Caules Dulcamarae.

Arzneidroge, 11 ed., p. 48; Ibid., 2 ed., p. 48.

The common and pharmacopeal names of the stem of Solanum Dulcamara, the distribution of plant, its history, commerce, appearance under lens of microscope, constituents, uses, adulterants, and references.

---

Wall, O.A.

1909

Dulcamara.

Notes on pharmacognosy, 3 ed., p. 283.

Gives habitat, constituents, uses and a diagram of the stem, one branch, and a cross section of the stem of Solanum Dulcamara.

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Gilg, E. & Brandt, W.

1910

Stipitis Dulcamarae.

Lehrbuch der pharmakognosie, 1 ed., p. 342; Ibid., 2 ed., p. 311; Ibid., 3 ed., p. 136 & 394; Ibid., 4 ed., p. 394.

Describes the stem of Solanum Dulcamara with an illustration of the detailed structure of the stem.

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Anderson, B.R.

1911

Solanum Dulcamara--quantitative examination of berries.

Chem. news, July 7, 1911, p. 2-3.; (Proc. Am. Pharm. Assoc., 59, p. 187.)

Gives the constituents, and the quantitative amount of each found in the fruit of Solanum Dulcamara.

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Anderson, B.R.

1911

A Study of the Fruit of Solanum Dulcamara.

Chem. news, v.54, p. 2; (Proc. Pharm. Assoc., 59, p. 187.)

Gives the habitat, method of determining sugars, oils, proteins, acids, alkaloids, and records the results.

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Massons, G.

1912

(Solanum Dulcamara, Chemistry of)  
Sur la composition chimique de la Douce-amere.

Bull. Sci. pharm., 19, p. 285; (Yrbk. Brit. Pharm. Conf., 49, p. 210)

Dulcamarin is not a definite principle but an alkali combination in varying proportions with two saponified acids. One of these, Dulcamaric acid, is glucosidal; the other, Dulcamaretic acid, is not so. Dulcamara contains no Solonine, but a nitrogen containing glucoside, Soloniceine. Gives its properties.

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Herail, J.

1912

Liges de Douce-Amere.

Traite de materia medicale pharmacographice, 2 ed., p. 608;  
*Ibid.*, 3 ed., p. 599.

Gives botanical origin of Solanum Dulcamara, its external characteristics, histological characteristics, constituents, substitutions and uses, with an illustration of flowering and fruiting branch and cross section of stem.

---

Craig, H.

1915

The Cultivation of Medicinal plants.  
More about the collection of Medicinal barks.  
Dulcamara (Bittersweet.)

N.A.R.D. Jour., 21, p. 1114.

Bittersweet is a perennial plant belonging to the potatoe family. Gives sixteen common names, it grows in low damp places or around banks of rivers. The young branches are used for medicine.

---

Holmes, E.M.

1915

Woody Nightshade.

Pharm. Jour., 95, P. 524.

Describes the anthers, inflorescence, flower stalk, stem, and tells how Solanum Dulcamara got the name bitter-sweet.

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Kraemer, H.

1915

Dulcamara.

Scientific & Applied Pharmacognosy, 1 ed., p. 711; Ibid., 3 ed., p. 612; Ibid., 4 ed., p. 714.

Gives habitat, description of fruit, leaves and wood, inner structure, powder, constituents, found to be Dulcamarin and gives its physical properties, and adulterants of Solanum Dulcamara.

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Blair, T.S.

1917

Dulcamara.

Botanic Drug, p. 157.

Gives habitat, synonym, constituents, physical properties and uses of Solanum Dulcamara.

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Wall, O.A.

1917

Dulcamara.

Handbook of Pharmacognosy, 4 ed., p. 270; Ibid., 5 ed., p. 314.

Gives the habitat, constituents, uses, and dose of Dulcamara.

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Compain, M.

1920

Douce Amere--Solanum Dulcamara.

Guide de L'Herboriate--Drojuiste, p. 72.

Gives several names for the drug Dulcamara, its therapeutic properties, preparations used internally and externally.

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Caupin, H.

1920

Douce-Amere.

Les Plantes medicinalis, pp. 152-226.

On page 226 lists several common names, gives general character of plant, its habitat, part used, physiological action, preparations, with a colored illustration of flowering and fruiting branches on plate 22.

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Karsten, G. & Benecke, W.

1920

Stipites Dulcamarae.

Lehrbuch der pharmakognosi, 3 ed., p. 112.

Gives botanical origin of Dulcamara, describes stems, with a figure illustrating tissues found in cross section and lists the constituents.

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St. Jonesco, --.

1921

Sur l'existence d'anthocyanidines a l'etat libre dans les fruits de Solanum Dulcamara.

Comptes rend., 173, 168; Yrbk. Brit. Pharm. Conf., 59, p.48.

Anthocyanidin was isolated from fruit of Solanum Dulcamara.

---

Lehaman, P.J.L.

1922

Douce Amere.

Plantes Remedes et Maladies, p. 141.

Describes the plant, gives several common names, describes several parts of plant, part used, preparations and action, with a colored illustration of a flowering branch opposite page 124.

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Reulter, L.

1923

Stipites Dulcamarae, Douce Amere, de Solanum Dulcamara.

Traite de matiere medicale, p. 224.

Gives geographical distribution of Solanum Dulcamara, method of collecting stems, description, microscopical characters, adulterants, constituents, therapeutic usage, physiological action, history, and an illustration of a cross section in detail.

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Wurdack, J.H.

1924

The Anthocyanins.

Jour. Am. pharm. assoc., 13, p. 404.

Free anthocyanidins are reported as occurring in the flowers of Solanum Dulcamara.

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1924

Pharmaceutical Botany LV Bittersweet.

Chem. & Drugg., 100, p. 623.

Gives a description of the plant, the conditions in which the plant **grows** best, and a description and diagram of the stem, leaves, flower, and seed of *Solanum Dulcamara*.

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Youngken, H.W.

1926

*Dulcamara*.

A Textbook of Pharmacognosy, 2 ed., p. 561.

Gives synonyms, botanical origin, part used, purity rubric, habitat, description, constituents, adulterants, and uses of *Solanum Dulcamara*.

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Herand, A.

1927

Morelle Douce-Amere.

Des plantes medicinales, 6 ed., p. 420.

Describes the plant yielding *Dulcamara*, gives habitat, cultivation, part used, collection, drying, chemical composition, physiological action and uses, with an illustration of a flowering and fruiting branch.

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Long, H.C.

1927

*Solanum Dulcamara*.

Poisonous plants on the farm, p. 30.

Gives a description, habitat, and that the alkaloid Solonine is found in the stem of *Solanum Dulcamara*. Cites several fatal cases where children have eaten berries of *Solanum Dulcamara* and gives a full page drawing of a flowering and fruiting branch.

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Greenish, H.G.

1929

Bittersweet.

Materia Medica, 5 ed., p. 303.

Gives the botanical source, description of the plant, and uses of Solanum Dulcamara.

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Wasicky, R.

1929

Dulcamara.

Lehrbuch der physiopharmakognosie für pharmazeuten, v.2, p. 668.

Describes Solanum Dulcamara, discusses its distribution, describes the stem, and lists allied drugs.

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Lowe, H.

192

1929

Poisoning Bittersweet (Solanum Dulcamara.)

Analyst., 54, 153; (Pharm. jour., 123, p. 255.)

Gives a test for poisoning of Solonine and alkaloid content of 0.5%. Solonine is readily hydrolized by mineral acids into solonidine. Gives methods of extraction of Solonine and cites several cases of death from the fruit of Solanum Dulcamara.

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Lowe, H.

1929

Poisoning by Solanum Dulcamara.

Analyst, 54, 153; Pharm. jour., 123, p. 255.

Mentions a case of fatal poisoning by the alkaloids of Solanum Dulcamara.

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Rusby, H.H., Bliss, A.R., & Ballard, C.W.

1930

Dulcamara.

The properties of Uses of Drugs, p. 48.

The dried stem of Solanum Dulcamara with not more than 2% of foreign organic matter. Gives the constituents, description, dose, and use of Dulcamara.

---

Gebner, O.

1931

Solanum Dulcamara.

Die Gift und Arzneipflanzen von mitteleuropa, p. 74, pl. 28.

Gives several common names, derivation of scientific name, botanical description, active constituents, distribution, pharmacological action, and a full page colored illustration of Solanum Dulcamara.

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Winkler, E.

Solanum Dulcamara.

Abbildungen sammtlichen Arzneigenachse Deutschlands, 87,;  
(Winkler, F., Real-lexikon der medicinisch pharmaceutische naturgeschichte und Rahwaaunkinde, v.2., p. 661.)

A full page colored illustration of Solanum Dulcamara.

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Sheldrake, T.

(Solanum Dulcamara.)

Botanicum medicinale, p. 106; (Withering, Botany, v.2., p.251.)

The original was not available.

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(Solanum Dulcamara.)

So. Bot., t.20; (Winkler, Real-lexikon der medicinisch  
pharmaceutischen naturgeschichte und Rohwasrunkinde, v.2.,  
p. 661.)

(The original was not available.)  
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List of Journals Consulted.

Am(eric)an Drugg(ist), v. 13-22; 1884-1893; v.73-81; 1925-1930.

Am(eric)an Drugg(ist) & Pharm(aceutical) Rec(ord), v. 22-72,  
1892-1924.

Am(eric)an Jour(nal) of Pharm(acy), v. 1-100, 1825-1929.

Brit(ish) & Col(onial) Drugg(ist), v. 12-81, 1887-1928.

Bull(etin) of Am(eric)an Pharm(aceutical) Assoc(iation),  
v. 1-6, 1906-1911.

Bull(etin) of Pharm(acy), v. 7-42, 1893-1928.

Chem(ist) & Drugg(ist), v. 1-112, 1859-1930.

Dig(est) of Com(ments) (on the ) U.S.P. & N.F., 1905-1920.

Drugg(ist) Circ(ular), v. 1-73, 1857-1929.

Jour(nal of the ) Am(eric)an Pharm(aceutical) Assoc(iation),  
v. 1-18, 1912-1929.

Midl(and) Drugg(ist), v. 1 - 10, 1899-1909.

Midl(and) Drugg(ist) & Pharm(aceutical) Rev(iew), v. 43-61,  
1909-1927.

Mercks Report, v. 1-24, 1892-1915.

New Remedies, v. 1-12, 1872-1883.

New Engl(and) Drugg(ists), v. 8-15, 1896-1903.

Nat(ional) Drug Clerk, v. 1-18, 1913-1930.

Nat(ional) Assoc(iation of) R(etail) Drugg(ist) Notes,  
v. 1-17, 1913-1914.

Nat(ional) Assoc(iation of) R(etail) Drugg(ist's) Jour(nal),  
v. 18-50, 1914-1930.

- Nat(ional) Drugg(ists), v. 12-59, 1888-1929.
- Northw(estern) Drugg(ists), v.1-37, 1900-1929.
- Proc(eedings) (of the) Am(ericana) Pharm(aceutical)  
Assoc(iation), v. 1-59, 1851-1911.
- Pharm(aceutical) Era, v. 1-65, 1887-1928.
- Pharm(aceutical) Jour(nal), v. 1-127, 1841-1931.
- Pharm(aceutical) Rec(ord), v. 4-15, 1884-1893.
- Pharm(aceutische) Runds(chan), v. 1-13, 1882-1895.
- Pharm(aceutical) Rev(iew), v. 14-26, 1896-1908.
- Pharm(acist) & Chem(ist), v. 1-18, 1868-1885.
- Phil(adelp(phia) Coll(ege) of Pharm(acy) Alum(ni) report,  
v. 1-43, 1865-1907.
- Phil(adelp(phia) Coll(ege) of Pharm(acy) Bull(etin),  
v. 1-21, 1908-1928.
- Quart(erly) Jour(nal) & Y(ea)r B(oo)k (of) Pharm(acy),  
v. 1-4, 1928-1931.
- South(ern) Pharm(aceutical) Jour(nal), v. 1-22, 1908-1930.
- Spatula, v. 1-22, 1894-1916.
- West(ern) Drugg(ist), v. 4-50, 1882-1928.
- Y(ea)r B(oo)k (of the) Am(ericana) Pharm(aceutical) Assoc(ia-  
tion), v. 1-12, 1912-1923.
- Y(ea)r B(oo)k (of the) Brit(ish) Pharm(aceutical) Conf(erence),  
36-64, 1899-1927.

LIST OF BOOKS CONSULTED.

- Ainslie, W., *Materia Medica*, 1 ed., v. 1 & 2, 1826.
- Allen, T., *Encyclopedia of pure Materia Medica*, v. 1-10., 1879.
- Allison, T.F.P., & Gathinger, A., *Medicinal plants of Tennessee*, 1 ed., 1894.
- An American Physician, (The) Eclect(ical) (and) Gen(eral) Dispens(atory), 1 ed., 1827.
- Amhutz, E.P., *New and Old Forgotten Remedies*, 1 ed., 1900.
- Baillon, H., *Traite de Botanique Midicale Cypogamique*, 1 ed., 1889.
- Bentley R. & Trimen, H., *Medical Plants*, v.3., 1753.
- Berendes, J., *Die Haunsmittel des Pedanius Draskirides*, 1 ed., 1888.
- Berendes, J., *Des pedanius Dioskurides aus Anazorbas Arzneimittelehie*, 1 ed., 1902.
- Berg, O., *Anatomischer Atlas zur Pharmazeutischen waarenkunde*, 1865.
- Berg, O., *Pharmazeutische Botanik*, 1866.
- Berg, O., *Pharmakognosie des pflanzen-und Thierreichs*, 1869.
- Berg, O., *Pharmazeutische waarenkunde*, 2 ed., 1857.
- Biglow, J., *Materia Medica*, 1 ed., 1822.
- Biglow, J., *American Medical Botany*, v.1., 1818.
- Birdie, J., *Catalogue of the Raw Products of Southern India*, 1878.
- Blaii, T.S., *Botanic Drugs*, 1917.

- Bacquillon Limousin, H., *Matiere Medicale, Etudes des plantes*, 1895.
- Bohn, W., *Heilwerte de pflanzen*, 1920.
- Brown, O.P., *The Complete Herbalist*, 1870.
- Bruch, H., *Die Lierweet in Heilkunde und Drogenkunde*, 1925.
- Budge, W.A.E., *The Divine Origin of the Craft of the Herbalist*, 1928.
- Bucker, S., *Paula's Von Aegina des Besten Arztes*, 1914.
- Compagne, P.J., *Handbuch von Droogisten en Apothekers-Lurlingen*, 1854.
- Campbell, M., & Crawford, J., *Synopsis of Natural orders*, 1880.
- Carpenter, W.J., *Essay on some of the most important articles of Materia Medica*, 1831.
- Carson, J., *Synopsis of the Course of Lectures on Materia Medica and Pharmacy*, 4 ed., 1867.
- Carthevser, F., *Fondamenta materiae medicae tam Generalis quam Specialis in Vsom Acadimecom*, 1749.
- Cauvet, D., *Nouveaux Elements D'Historie Naturelle Medicinale*, v. 1-2, 1877.
- Chamings, A.R.G., *Pharmacognosy Map for Students in Pharmacy*,.
- Chevallier, A., & Richard, A., *Dictionarie des Drogues*, v. 1, 1827; v. 2, 1827; v. 3-4, 1827; v. 5, 1828; v. 5, 1829.
- Chomel, J.B., *Abrege de L' Historie des plantes Usellus*, v. 1-2, 1639.

- Christy, T., New Commercial plants, nos. 1-10, 1878.
- Classement Botanique Des plantes Alimentaires Du Bresil, 1867.
- Commelin, C., Praeludia Botanica, 1703.
- Compain, M., Grude De L' Herbariste-Droguiste, 1920.
- Culpeper, N., The Complete Herbel of one hundred addition  
herbs, new ed., 1643.
- Coupin, H., Les plantes medicinales, 1920.
- Coxe, J.R., American Dispens(atory), 1 ed., 1806; 4 ed., 1818;  
6 ed., 1825; 7 ed., 1827; 8 ed., 1830; 9 ed., 1831.
- Davis, G., The Pharmacology of the Newer Materia Medica, 1889.
- Dorstervik, R., & Dttersback, G., Sammlung zofischen  
Drogenskunde, 1921.
- Dorveauk, D.P., Le Livre Des Simples Medicines, 1913.
- Dragendorff, G.D., Heilpflanzen Der Verschiedenen Volker und  
Zeiten, 1898.
- Dioscorides, Hortus Sanitatus Deutsch, 1485.
- Duhamel du Monceau, J.B., Traite des Arbres, v. 2, 1757.
- Eichler, A.W. Von, Syllabus der vonlesungen uber Speciale  
und Medicinisch-pharmaceutische Botanik, 1866.
- Esenbeek Nees, F.S. & Ebermaier, H.C., Handbuch der medi-  
cinisch-pharmaceutischen Botanik, v. 1, 1830; v. 2,  
1831; v. 3, 1832.
- Falck, A., Die officinellin Drogen und Ihre Ersalztorffe,  
1928.
- Fischer, H., Mittelalerliche pflanzenkunde, 1929.

- Fluckiger, F.A., Grundriss der Pharmakognosie, 1884.
- Fluckiger, F.A., Grundlagen der pharmaceutischen waarenkunde, 1873.
- Fluckiger, F.A., Pharmakognosie des pflanzenreiches, 2 ed., 1881; 3 ed., 1891.
- Fluckiger, F.A., & Hanbury, D., Historie des Drogues, v. 1-2; 1878.
- Fluckiger, F.A., & Hanbury, D., Pharmacographia, 1 ed., 1874; 2 ed., 1879.
- Freyberger, M.H., Die organischen Drogen der Neuen Deutschen Reichsparmecopoe, 1874.
- Fristedt, R.L., Larvbok organish pharmakologi, 1882.
- Garsault de, M., Les Figures Des plantes et Animaux, v. 2-3-6; 1765.
- Gebner, O., Die Gift-und Arzneipflanzen von Mitteleuropa, 1931.
- Gerarde, J., The Herball of General Historie of plantes, 2 ed., 1633.
- Gilg, E., Lehrbuch der phamakognosie, 1 ed., 1910.
- Gilg, E. & Brandt, W., Lehrbuch der pharmakognosie, 3 ed., 1922; 4 ed., 1927.
- Goebel, F. & Kunze, G., Pharmaceutische waarenkunde, v. 1-2, 1827-1834.
- Good, P.P., Famely flora and Materia Medica Botanica, v. 1-3, 1847.
- Greenish, H.G., Materia Medica, 5 ed., 1929.

- Guibourt, N.J.B.G., *Historie Des Drogues Simples*, 3 ed., 1836.
- Guibourt, N.J.B.G., *Historie Naturelle des Drogues simples*,  
4 ed., v. 1-4, 1869.
- Guibourt, N.J.B.G., *Historie natural de las Drogas Simples*,  
v. 1, 1851; v. 2-5, 1852.
- Hamilton, E., *The Flora Homoeopathica*, v. 1, 1852.
- Hand, M., *The House Surgeon & Physician*, 1820.
- Hansen, A., *Drogenkunde*, 1897.
- Hayne, G.F., *Darstellung und Beschreibung der Arzneige-  
wachse*, v. 1-15, 1853-1856.
- Hartwich, C., *Die Menschlichen Genussmittel*, 1911.
- Henkel, J.B., *Botanik*, v. 1-4, 1862-1863.
- Henkel, J.B., *Handbuch der pharmacognosie*, 1867.
- Herail, J., *Traite de matiere medicale pharmacographia*,  
2 ed., 1912; 3 ed., 1927.
- Heraud, A., *Des plantes medicinales*, 6 ed., 1927.
- Humphrey, J., *Drugs in Commerce*, 1921.
- Husemann, A., Higler, A., & Husemann, T., *Die pflanzenstoffe*,  
2 ed., v. 2, 1882.
- Husemann, T. & Husemann, A., *Die pflanzenstoffe*, 1 ed., 1871.
- Johnson, J., *A Manual of the Medical Botany of North  
America*, 1884.
- Karsten, G. & Allmanns, F., *Lehrbuch der pharmakognosie*,  
2 ed., 1909.
- Karsten, G. & Benecke, W., *Lehrbuch der pharmakognosie*,  
3 ed., 1920.

- Kobert, R., Beiträge zur Kenntnis der vegetabilischen  
Homogentinine, 1913.
- Kobert, R., Pharmakobotanisches aus Rostocken vergangener  
1911.
- Koch, L. & Gilg, E., Pharmakognostisches praktikum, 1907.
- Kohlers, H., Medizinische pflanzen, v. 1, 1890; v. 2, 1898;  
v. 3, 1898.
- Kraemer, H., Scientific and Applied Pharmacognosy, 1 ed.,  
1915; 3 ed., 1920; 4 ed., 1928.
- Kraemer, H., A Course in Botany and Pharmacognosy, 1 ed.,  
1902; 2 ed., 1907; 3 ed., 1907; 4 ed., 1907.
- Kunth, K., Anleitung zur Kenntniss pharmacopoea Borussica  
aufgefohsten officinellen Gewachse, 1834.
- Lehamare, P.J.L., Plantes Remedies et Maladies, 1922.
- Lessing, B., Kurzer Abriss der Materia Medica, 1859.
- Lewis, W., Experimental History of Materia Medica.
- Lewis, W., Materia Medica over Besichrubung, 1771.
- Leyel, C.F., The Magic of Herbs, 1926.
- Lindley, J., Flora Medica, 1838.
- Linne, C., Materia Medica, 1 ed., 2 ed., 1749.
- Lloyd, J.U., Origin and History of all the Pharmacopeal  
vegetable drugs, chemicals and preparations with  
Bibliography, v. 1, 1924.
- Lloyd Brothers, Drug Treatise, nos. 1-33; no. 1, 1904.

- Long, H.C., Poisonous plants on the Farm, 1927.
- Ludovici, D., Medici Ducal Saxo-Gothan de pharmacia, 1685.
- Luerrssen, C., Die pflanzen der pharmacopœa Germanica, 1883.
- Maisch, J.M., A Manual of Organic Materia Medica, 1 ed., 1887;  
5 ed., 1892; 6 ed., 1895.
- Marchand, L., Botanique cryptogamique, 1883.
- Marme, W., Lehrbuch der pharmacognosie des pflanzen und  
Thierreichs, 1886.
- Marzell, H., Unsere Heilpflanzen, 1922.
- Marzell, H., Neues illustrates Krauterbuch, 1921.
- Mattioli, C., De plantas Epitome, 1586.
- Moveric, J., La Medicine Hermetique des plantes, 1848.
- Merrelle, A., A Digest of Materia Medica and Pharmacy, 1883.
- Meyer, A., Wissenschaftliche Drogenkunde, 1891.
- Monro, D., A Treatise on medical and pharmaceutical chemistry  
and Materia Medica, v. 1-4, 1788.
- Morelot, S., Nouveau Dictionnaire General des Drogues,  
Simples et composees de Lemery, v. 1-2, 1807.
- Mowat, J.H.G., A Medico Botanical Glossary, v. 1, 1887.
- Mueller, C., Medicinal flora, 1890.
- Murrays, J., A System of Materia Medica and Pharmacy, 1 ed.,  
1815; 2 ed., 1821; 4 ed., 1828; 6 ed., 1832.
- Nicolai, E.A., Systema Materiae Medicae ad praxin applicatue,  
1751.
- Oldbergs, Unofficial Pharmacopoeia, 1881.

- Parke Davis & Co., *Organic Materia Medica*, 2 ed., 1890.
- Pabeguin, H., *Les plantes medicinales de La Guinee*, 1912.
- Pollock, A., *Botanical Index*, 1872.
- Purgantium, G., *Alinrvmone Libii*, 1574.
- Ruelter, L., *Traite de maticae medicale*, 1923.
- Rosemont De, R., *Comment Nos. Peres*, 1917.
- Rusby, H.H., Bliss, A.R., & Bullard, C.W., *The Properties and Uses of Drugs*, 1924.
- Sayre, L.E., *Conspectus of organic materia medica and pharmacal botany*, 1879.
- Sayre, L.E., *A Manual of organic materia medica and pharmacognosy*, 1895.
- Schleiden, M.J., *Handbuch of medicinisch pharmaceutischen Botanik*, 1852.
- Schlickum, R., *Pharmakognosie*, v. 1-2, 1924.
- Schmitthenner, F., *Pharmakognosie des pflanzen und Tieireiches*, 1905.
- Schroder, J., *Arsmedica Dogmatico Hermetica*, 1679.
- Stille, A. & Maisch, J.M., *National Dispens(atory)*, 1 ed., 1879; 2 ed., 1879; 3 ed., 1884; 4 ed., 1894.
- Stokins, B.J., *Voordrachten over Geneesmiddellus*, v. 1., 1906; v. 2., 1907; v. 3., 1909.
- Tournefort, L.M., *Materia medica*, 2 ed., 1716.
- Triller, D.W., *Despensatorium pharmaceuticum*, 1764.

- Trommsdorff, J.B., Handbuch der pharmaceutischen waaunkunde,  
1 ed., 1806; 2 ed., 1822.
- Wall, O.A., Notes on pharmacognosy, 3 ed., 1909; 4 ed., 1917;  
5 ed., 1928.
- Warncke, T.S., Laerenom Laegemidlernes physiologiske veikninger  
og therapeutiske anvendilse, 1862.
- Wasicky, R., Lehrbuch der physiopharmakognosie fur pharma-  
zeiten, v. 1, 1929; v. 2, 1932.
- Wigand, A., Lehrbuch der pharmakognosie, 1 ed., 1863;  
2 ed., 1887.
- Wiggus, U., Grundriss der pharmacognosie, 1853.
- Willmann, M., Die Schrift des Dioskurides, 1914.
- Winkler, E., Denkmaler Herausgehen vom Verein fur  
Miederertsche sprachfurschung, v. 7, 1932.
- Winkler, E., Vollstandiges Real-Lexikon der medicinisch  
pharmaceutischen naturgeschichte und Rohwaarenkunde,  
1840.
- Wippell, G.H., Drugs, Their production, preparation, and  
properties, 1904.
- Willdenow, C.L., Linne's Specie Plantarum, 4 ed., v.1, 1797.
- Withering, W., Medical Botany, 2 ed., v. 2, 1801.
- Wood, W. & Bache, G.W., Dispens(atory) of United States of  
America, 2 ed., 1834; 3 ed., 1836; 4 ed., 1839; 5 ed.,  
1843; 6 ed., 1845; 7 ed., 1847; 8 ed., 1849; 9 ed.,  
1851; 10 ed., 1854; 11 ed., 1857; 12 ed., 1865; 13 ed.,  
1870; 14 ed., 1879; 15 ed., 1883; 16 ed., 1892; 17 ed.,  
1894; 19 ed., 1907; 20 ed., 1918; 21 ed., 1926.

Woodville, W., Medical Botany, 2 ed., v. 2, 1810.

Youngken, H.W., A Text Book of Pharmacognosy, 2 ed., 1926.

Zornig, H., Arzneidroge, 1 ed., 1909; 2 ed., 1911.

UNITED STATES PHARMACOPOEIA (O-X)

(1820-1920)

and

NATIONAL FORMULARY (I-V)

(1888-1926)

HISTORY

of

SOLANUM DULCAMARA LINNE

U.S.P.--1820. P. p. 35.

Dulcamara

Solanum Dulcamara W.I. 1028

Bitter Sweet

B.N. i.

Stipites. The stalks.

W--Willdenow

Bn--Bigelow's Medical Botany.

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U.S.P.--1830. (Phil.). P. p. 11.

Dulcamara

Solanum Dulcamara W.I.

1028. Bn. I. 169.

Caulis. The stalk.

W--Willdenow

Bn--Bigelow's Medical Botany.

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U.S.P.--1830. (N.Y.). P. p. 33.

Dulcamarae Caules Solanum Dulcamara

Bittersweet, or woody

Nightshade / The twigs

Prop. Inodorous; taste at first bitter, immediately succeeded by a / sensation of sweetness; medicinal properties extracted by water./

Med. Oper. Sudorific, diuretic.

Dose, one scruple to one drachm.

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U.S.P.-1840. P. p. 21.

Dulcamara. Bittersweet.

The stalks of Solanum Dulcamara.

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U.S.P.-1850. P. p. 24.

Dulcamara. Bittersweet.

The stalks of Solanum Dulcamara.

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U.S.P.-1860. P. p. 28.

Dulcamara. Bittersweet.

The stalks of Solanum Dulcamara.

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U.S.P.-1870. P. p. 29.

Dulcamara. Bittersweet.

The young branches of Solanum Dulcamara.

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U.S.P.-1880.-p. 91.

Dulcamara

Dulcamara

(Bittersweet)

The young branches of Solanum Dulcamara Linne (Nat. ord., Solan-~~/~~aceae.)~~/~~

About a quarter of an inch (six millimeters) or less thick, cylindrical, somewhat / angular, longitudinally striate, more or less warty, usually hollow in the centre, / cut into short sections. The thin bark is externally pale greenish, or light / greenish brown, marked with alternate leaf scars, and internally green; the / greenish or yellowish wood forms one or two concentric rings. Odor slight; taste bitter, afterwards sweet.

Preparation: Extractum Dulcamare Fluidum

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Dulcamara.

Dulcamara.

(Bittersweet)

The young branches of *Solanum Dulcamara* Linne, (Nat. ord., Solanaceae)./

Above five mm., or less, thick, cylindrical, somewhat angular, longitudinally / striate, more or less warty, usually hollow in the center, cut into short sections./ The thin bark is externally pale greenish, or light greenish brown, marked / with alternate leaf scars, and immediately green; the greenish or yellowish wood / forms one or two concentric rings. Odor slight; afterwards sweet./

Preparation: *Extractum Dulcamarae Fluidum*.

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N.F.-1916,-p. 293.

Dulcamara.

Bittersweet.

Dulcam.

The dried stems and branches of *Solanum Dulcamara* Linne, (Fam./ Solanaceae)./

In short sections above five mm. or less in thickness, cylindraceous, somewhat angular / longitudinally striate, more or less warty, usually hollow in the center; bark thin, / externally pale greenish, or light greenish brown, glabrous, marked with alternate / leaf scars, internally green, the greenish or yellowish wood occurring in one or two / concentric rings. Odor slight; taste bitter, afterwards sweet./

The powder is greenish-yellow and, when examined under the microscope, exhibits / tracheae up to 0.05 mm. in diameter and with bordered pores; lignified wood fibers / with few pores; non-lignified bast fibers with walls up to 0.02 mm. in thickness; / with the lumina distinct in the lower portion only; few starch grains, spheroidal, up / to 0.012 mm. in diameter; spheroidal crystals of calcium oxalate, numerous, up to 0.007 mm. in length./

Bittersweet yields not more than six percent of ash./

Average dose--Metric, four grams; apothecaries, one dram.

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## Dulcamara

Dulcam.

Dulcamara

Bittersweet

Dulcamara is the dried stem of *Solanum Dulcamara* Linne, (Fam./ Solanaceae).

Dulcamara contains not more than two percent of foreign organic / matter.

## Description and physical properties:

Underground Dulcamara: In short sections above five mm. or less in thickness, cylin/-draceous, outline of transverse sections somewhat angular, longitudinally striate, / more or less warty; bark thin, externally pale greenish, or light greenish brown, / glabrous, marked with alternate leaf scars; internally green, the greenish or / yellowish wood occurring in one or two concentric rings; usually hollow in the center. / Odor slight; taste bitter, afterwards sweet. / Structure: Epidermis with a rather thick outer cuticle; several rows of cork com / posed of thin walled cells and in the older stems entirely replacing the epidermis; / phellogen composed of a number of rows of tangentially elongated cells; about / six rows of collenchyma; a pericycle containing non-lignified fibers which are / mostly in an interrupted single row; inner bark of parenchyma containing starch / grains or spheroidal micro-crystals of calcium oxalate, or groups of sieve tubes; / a continuous zone of cambium; a narrow zone of wood composed of numerous / tracheae, tracheids, wood fibers, and lignified porous parenchyma, the latter form / ing medullary rays one cell in width; within the wood a narrow zone of pith / parenchyma with groups of sieve cells; pith surrounding a central hollow.

Powdered Dulcamara: Greenish yellow; exhibits tracheae up to 0.112 mm. in / diameter and with bordered pores or with spiral markings; tracheae-like cells hav/ing pointed ends, slightly lignified walls and delicate spiral or reticulate markings; / 0.015 mm. thick; very few, simple, unicellular / hairs up to 0.800 mm. long, and with the lumina usually distinct in the lower / portions only; starch grains, spheroidal up to 0.012 mm. in diameter; spheroidal / micro-crystals numerous, up to 0.007 mm. long.

Preparation: Fluidextractum Dulcamarae /

Average dose: Metric, four grams.  
Apothecaries, sixty grains. /

SUMMARY OF U.S.P. & N.F. DATA OF SOLANUM DULCAMARA

Official in: U.S.P. 1820, '30 (N.Y.), '30 (Phil.), '40, '50, '60, '70, '80, '90; N.F., 1916, 1926.

Official Latin Title:

Dulcamara -----

Official English Title:

Bittersweet -----

Official Abbreviation:

Dulcam., N.F. 1916; '26.

Official Synonym:

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Official Family:

Solanaceae.

Scientific Name:

Solanum Dulcamara.

Part Used:

Stalk, U.S.P. 1820, '30 (Phil.), '40, '50, '60.  
Twigs, U.S.P. 1830 (N.Y.).  
Young branches, U.S.P. 1870, '80, '90.  
Dried stems and branches, N.F. 1916, '26.

Description:

U.S.P. 1880, '90; N.F. 1916, '26.

Official Preparations:

U.S.P. 1880, '90; N.F. 1926.

Dose:

U.S.P. 1830, one scruple to one drachm.  
N.F. 1916, Metric, four grams; Apoth. one drachm.  
N.F. 1926, Metric, four grams; Apoth. sixty grains.

APPROVED BY W.O. Richtmann  
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