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BIBLIOGRAPHY
OF
ACORUS CALAMUS
BY
RICHARD KELSEY

A THESIS SUBMITTED FOR THE DEGREE OF
BACHELOR OF SCIENCE
(PHARMACY)

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Acorus Calamus

Mat. Med., p. 10, 2. (Dodonaeus, Florum, p. 160;
Lindley, Flor. Med., p. 606.)

Gives the habitat, description, and principle uses
of the plant.

Bock, H. (Tragus)

1550

(Acorus Calamus)

Teutsche Speiskammer, p. . (Fluckiger and Hanbury,
Pharmographia, 1 ed., p. 614; 2 ed., p. 676.)

The original was not available.

Dodonaeus, R.

1569

Acorus Calamus

Florum et Coronariaquum Odorata Umque, p. 160.
(Barton, Veg. Mat. Med., v. 2, p. 64.)

Gives a description of Acorus as given by Dioscorides,
Theophrastus, Pliny and Mattioli.

Lobelius, M. de

1576

Acorus Calamus

Stirpium Historia, p. 29. (Barton, Veg. Mat. Med.,
v. 2, p. 64.)

Describes the plant and gives its medicinal properties.
Pliny's, Galen's and Dioscorides descriptions of the
plant are also given.

Clusius, C.

1578

Acorus Calamus

Plantarum Hispaniae, 3 ed., p. 124. (Barton, Veg. Mat.
Med., v. 2, p. 64.)

Gives a description and habitat of Acorus Calamus.

(Acorus Calamus)

Historia Generalis, v. 2, tab. 1618. (Barton, Veg. Mat. Med., v. 2, p. 64.)

The original was not available.

Camerarius, J.

1588

(Acorus Calamus)

Hortus Medicus et Philosophicus, p. 5. (Fluckiger and Hanbury, Pharmographia, 1 ed., p. 614; 2 ed., p. 676;)

The original was not available.

Hippocrates, _.

1595

Acorus Calamus

Opera Omniaque Exstant, lib. 1, sect. 5, p. 138. (Dale, Pharmacologia, p. 283.)

Gives a description of the plant.

Pliny, C. Secundus

1601

(Acornes)

Historia Naturales, v. 2, lib. 25, cap. 13, p. 236, lib. 12, cap. 22 on Sweet Calamus. (Dodonaeus, Florum, p. 160; Bauhin, Pinax, 2 ed., p. 34.)

Gives a brief description of the plant and some of its properties.

Lobelius, M. de

1605

(Acorus Calamus)

Observationes, etc. v. 1, p. 57. (Barton, Veg. Mat. Med., v. 2, p. 64.)

The original was not available.

Acorus Calamus

Histoire des Drogues, 2 ed., p. 205. (Barton, Veg. Mat. Med., v. 2, p. 64; Dale, Pharmacologia, 5 ed., p. 283.)

Gives the habitat, description and medicinal properties of Acorus Calamus; also that the drug was used by the early Arabs and Persians.

Alpin, P.

1629

(Acorus Calamus)

De Plantis Exoticis, p. 141. (Woodville, Med. Bot. 2 ed., v. 4, p. 725; Dale, Pharmacologia, 5 ed., p. 283.)

The original was not available.

Johnson, T.

1633

Acorus Calamus

Gerard, The Herbal, 2 ed., p. 62. (Woodville, Med. Bot., 2 ed., v. 4, p. 725; Dale, Pharmacologia, 5 ed., p. 283; Hudson, Fl. Anglica, 3 ed., p. 147; Smith, English Bot., v. 2, p. 157.)

Gives a detailed description, habitat and various uses of Acorus Calamus.

Pauli, S.

1648

(Acorus Calamus)

Dansk Urtebog, p. 155. (Merck's Report, v. 20, p. 277;)

The original was not available.

Acorus Calamus

Stirpium Illustrationes with Parkinson's Theatri Botanicæ, p. 122. (Barton, Veg. Mat. Med., v. 2, p. 64; Woodville, Med. Bot., 2 ed., v. 4, p. 725; Dale, Pharmacologia, 5 ed., p. 283; Hudson, Fl. Anglica, 3 ed., p. 147.)

Gives a description of Acorus Calamus.

Ray, J.

1660

Acorus Calamus

Synopsis Selectioribus, p. 4. (Barton, Veg. Mat. Med., v. 2, p. 64; Hudson, Fl. Anglica, 3 ed., p. 147; Smith, English Bot., v. 2, p. 157.)

Gives a short description of Acorus pallustris and its distribution in England.

Chabrey, D.

1666

(Acorus Calamus)

Omnium Stirpium Sciagraphia et Icones, p. 244. (Dale, Pharmacologia, 5 ed., p. 283.)

The original was not available.

Merrett, C.

1667

(Acorus Calamus)

Pinax Rerum Naturalium Britannicarum, p. 1.
(Dale, Pharmacologia, 5 ed., p. 283.)

The original was not available.

Acorus Calamus

Pinax (Theatri Botanici) 2 ed., p. 34. (Woodville, Med. Bot., 2 ed., v. 4, p. 725; Dale, Pharmacologia, 5 ed., p. 283; Schreber, Linne's Mat. Med., 3 ed., p. 96; Hudson, Fl. Anglica, 2 ed., p. 147; Smith, English Bot., v. 2, p. 157.)

Gives a number of names and their associated authors or users of Calamus.

Rheede, H. A.

1678

(Acorus Calamus)

Hortus Malabaricus, v. 11, p. 99. t. 60. (Barton, Veg. Mat. Med., v. 2, p. 64; Fluckiger and Hanbury, Pharmographia, 1 ed., p. 614; 2 ed., p. 676.)

The original was not available.

Morison, R.

1680

(Acorus Calamus)

Historia Plantarum, v. 3, p. 246, s.8.t.13 f.4. (Barton, Veg. Mat. Med., v. 2, p. 64; Smith, English Bot., v. 2, p. 157.)

The original was not available.

Tabernaemontanus, J.

1687

(Acorus Calamus)

Neu Vollkommen Krauterbuch, p. 642. (Barton, Veg. Mat. Med., v. 2, p. 64; Am. Journ. Pharm., 5, p. 269;)

The original was not available.

Kylling, P.

1688

(Acorus Calamus)

Viridarium Danicum, p. 3. (Merck's Report, v. 20, p. 277.)

The original was not available.

Acorus Calamus

Hist. Plantarum, v. 2, pp. 1313 and 1910. (Woodville's Med. Bot., 2 ed., v. 4, p. 725; Dale, Pharmacologia, 5 ed., p. 283;)

Gives a detailed description and enumerates the uses of Acorus Calamus.

Hermann, P.

1690

(Acorus Calamus)

Flora Lugduno - Batavae, p. 11. (Barton, Veg. Mat. Med., v. 2, p. 64; Schreber, Linne's Mat. Med., 2 ed., p. 96; Dale, Pharmacologia, 5 ed., p. 283; Linne, Species Plantarum, 1 ed., p. 324.)

The original was not available.

De Mayerne, J. (Th. Turquet)

1691

(Acorus Calamus)

Praxis Medica etc., p. 59. (Woodville Med. Bot., 2 ed., v. 4, p. 725;)

The original was not available.

Brown, S.

1696

Fourth Book of East Indian Plants. Philosophical Trans., v. 22, p. 943. (Dale, Pharmacologia, p. 283.)

Discusses the plant as to uses and gives several synonyms.

Commelyn, C.

1696

(Acorus Calamus)

Flora Malabarica, p. 3. (Dale, Pharmacologia, 5 ed., p. 283.)

The original was not available.

(Acorus Calamus)

Almagestum Botanicum, 1 ed., p. _ . (Dale,
Pharmacologia, 5 ed., p. 283.)

The original was not available.

Commelyn, C.

1698

(Acorus Calamus)

Plantarum Usualium, _, p. _ . (Dale, Pharmacologia,
5 ed., p. 283.)

The original was not available.

Loeselius, J.

1703

(Acorus Calamus)

Flora Borussica, p. 5. (Merck's Report, 20, p. 277.)

The original was not available.

Hermann, P.

1717

(Acorus Calamus)

Musaeum Zelanicum, p. 56. (Dale, Pharmacologia, 2 ed.,
p. 283.)

The original was not available.

Ruppius, H. B.

1718

(Acorus Calamus)

Flora Jenensis, p. 261. (Dale, S. Pharmacologia, 5 ed.,
p. 283;)

The original was not available.

Dillenius, J. J.

1719

(Acorus Calamus)

Catalogus Plantarum, p. 110. (Dale, Pharmacologia, 5 ed., p. 283.)

The original was not available.

Miller, J.

1722

(Acorus Calamus)

Botanicum Officinale, p. 12. (Barton, Veg. Mat. Med., v. 2, p. 64.)

The original was not available.

Berlu, J. J.

1724

(Acorus Calamus)

Treasury of Drugs, 2 ed., p. 115. (Fluckiger and Hanbury, Pharmographia, 1 ed., p. 614; 2 ed., p. 676;)

The original was not available.

Boerhaave, H.

1727

(Acorus Calamus)

Index Alter Plantarum, v. 2, p. 167. (Dale, Pharmacologia, 5 ed., p. 283.)

The original was not available.

Buxbaum, J. C.

1727

(Acorus Calamus)

Centur. Rarior., p. 5. (Dale, Pharmacologia, 5 ed., p. 283;)

The original was not available.

(Acorus Calamus)

Centuria, etc., p. 3. (Barton, Veg. Mat. Med., v. 2, p. 64; Willdenow, Linne's Species Plant., 4 ed., v. 2, p. 199.)

The original was not available.

Blackstone, J.

1737

(Acorus Calamus)

Harefield Plantarum, p. 2. (Barton, Veg. Mat. Med., v. 2, p. 64;)

The original was not available.

Linne, C.

1737

(Acorus Calamus)

Hortus Cliffortianus, p. 314. (Barton, Veg. Mat. Med., v. 2, p. 64; Merck's Report, 20, p. 277.)

The original was not available.

Alston, C.

1740

(Acorus Calamus)

Index Plantarum, v. 1, p. 356. (Barton, Veg. Mat. Med., v. 2, p. 64.)

The original was not available.

Geoffroy, E. F.

1741

(Acorus Calamus)

Materia Medica, v. 2, p. 5. (Barton, Veg. Mat. Med., v. 2, p. 64.)

The original was not available.

Linne, C.

1747

(Acorus Calamus)

Flora Zeylanicae, p. 132. (Barton, Veg. Mat. Med., v. 2, p. 64.)

The original was not available.

Blackwell, E.

1750

(Acorus Calamus)

Herbarium Blackwellianum, p. 466. (Barton, Veg. Mat. Med., v. 2, p. 64; Spielmann Pharm. General., v. 1, p. 57.)

The original was not available.

Gmelin, G.

1750

(Acorus Calamus)

Flora Sibirica, v. 1, p. 1. (Barton, Veg. Mat. Med., v. 2, p. 64; Willdenow, Linne's Species Plant., 4 ed., v. 2, p. 199.)

The original was not available.

Dale, S.

1751

Acorus Calamus

Pharmacologia, 5 ed., p. 283. (Barton, Veg. Mat. Med., v. 2, p. 64; Am. Journ. Pharm., 5, p. 266.)

Gives the description, habitat, synonyms, and medicinal uses of Acorus Calamus.

Linne, C.

1753

Acorus Calamus

Species Plantarum, 1 ed., p. 324. (Barton, Veg. Mat. Med., v. 2, p. 64; Woodville Med. Bot., 2 ed., v. 4, p. 275; Schreber, Linne's Mat. Med., p. 96; Hudson, Fl. Anglica, 3 ed., p. 147; Smith, English Bot., 2 ed., v. 2, p. 157; Am. Journ. Pharm., 5, p. 269.)

Gives a description of the plant.

Linne, C.

1754

(Acorus Calamus)

Genera Plantarum, ed., p. 434. (Woodville, Med. Bot.,
2 ed., v. 4, p. 725.)

The original was not available.

Neumann, K.

1755

Acorus Calamus

Chymiae, v. 2, p. 200. (Barton, Veg. Mat. Med., v. 2,
p. 64.)

Gives a description of Acorus Calamus.

Rumpf, G. E.

1755

(Acorus Calamus)

Flora Amboinensis, v. 5, p. 178. t. 72. f.1. (Barton,
Veg. Mat. Med., v. 2, p. 64;)

The original was not available.

Hill, J.

1756

Acorus Calamus

British Herbal, p. 507. (Barton, Veg. Mat. Med.,
v. 2, p. 64.)

Gives a description of Acorus Calamus, its Linnean
arrangement and uses of the root.

Ludwig, C. G.

1760

(Acorus Calamus)

Ectypa Vegetabilium Cent. 1, t. 34. (Barton, Veg.
Mat. Med., v. 2, p. 64; Willdenow, Linne's Species
Plant., 4 ed., v. 2, p. 199;)

The original was not available.

(Acorus Calamus)

Flora Carniolicae, p. 426. (Barton, Veg. Mat. Med., v. 2, p. 64; Willdenow, Linne's Species Plant., 4 ed., v. 2, p. 199;)

The original was not available.

Lewis, W.

1761

Acorus Calamus

History of the Materia Medica, p. 158.

Gives a description, habitat, properties and medicinal uses of Acorus Calamus.

Linne, C.

1761

(Acorus Calamus)

Flora Suecica, p. 297. (Linne, Species Plant., 1 ed., p. 462; Barton, Veg. Mat. Med., v. 2, p. 64; Willdenow, Linne's Species Plant., 4 ed., v. 2, p. 199; Schreber, Linne's Mat. Med., 2 ed., p. 96; Merck's Report, 20, p. 272.)

The original was not available.

Quarinus, J.

1761

(Acorus Calamus)

Tentamina de Cienta, pp. 170, 172 and 175. (Barton, Veg. Mat. Med., v. 2, p. 64.)

The original was not available.

Gouan, A.

1762

(Acorus Calamus)

Hortus Regius Monspeliensis, p. 18. (Barton, Veg. Mat. Med., v. 2, p. 64.)

The original was not available.

Acorus Calamus

Plantes de Garsault, v. 6, p. 2. (Barton, Veg. Mat. Med., v. 2, p. 64; Am. Journ. Pharm., 5, p. 269.)

Gives the physical properties, description, and uses of Acorus Calamus as well as its habitats.

Percival, T.

1767

Acorus Calamus

Essays on the Adstringents and Bitters, v. 2, p. 64. (Barton, Veg. Mat. Med., v. 2, p. 64.)

The original was not available.

Cartheuser, J. F.

1769

Acorus Calamus

Fundamenta Materiae Medicae. 2, p. 49. Ed. nova auctorior. (Barton, Veg. Mat. Med., v. 2, p. 64;)

Gives a description, habitat and use of Acorus Calamus.

Jacquin, N. J.

1770

(Acorus Calamus)

Hortus Botanicus Vindobonensis, p. 14. (Barton, Veg. Mat. Med., v. 2, p. 64.)

The original was not available.

Haller, A.

1771

Acorus Calamus

Pharmacopae Helvetica, p. 35. (Barton, Veg. Mat. Med., v. 2, p. 64; Hudson, Fl. Anglica, 3 ed., p. 147; Smith, English Bot. v. 2, p. 157.)

Gives a brief description and uses of Acorus Calamus.

Schreber, C. D.

1772

Acorus Calamus

Linne's Veg. Mat. Med., 2 ed., p. 96. (Willdenow, Linne's Species Plant., 4 ed., v. 2, p. 199;)

Gives the names, properties, uses and a few preparations made from Acorus.

Leers, J. D.

1775

(Acorus Calamus)

Flora Herbornensis, p. 86, t. 13, f. 12. (Smith, English Bot., v. 2, p. 157.)

The original was not available.

Royen, A.

1775

(Acorus Calamus)

Flora Lugdbatavae, 6. (Barton, Veg. Mat. Med. Bot., v. 2, p. 64; Willdenow, Linne's Species Plant., 4 ed., v. 2, p. 199.)

The original was not available.

Rutty, J.

1775

(Acorus Calamus)

Materia Medica Optiqua et Nova., p. 64. (Barton, Veg. Mat. Med., v. 2, p. 64;)

The original was not available.

Murray, J.

1776

(Acorus Calamus)

Apparata Medicum, 2 ed., v. 39, p. 42. (Barton, Veg. Mat. Med., v. 2, p. 64; Woodville, Med. Bot., 2 ed., v. 4, p. 725;)

The original was not available.

(Acorus Calamus)

Palatinate Historia Plantarum, n. 343. (Barton, Veg. Mat. Med., v. 2, p. 64; Willdenow, Linne's Spec. Plant., 4 ed., v. 2, p. 199;)

The original was not available.

Berg, P. J.

1778

(Acorus Calamus)

Pharmacopoeia Suecicae, p. 274. (Barton, Veg. Mat. Med., v. 2, p. 64.)

The original was not available.

Vogler, J. A.

1781

(Acorus Calamus)

Polyp. Mont., p. 189. (Barton, Veg. Mat. Med., v. 2, p. 64;)

The original was not available.

Houttuyn, M.

1783

(Acorus Calamus)

Linne's Pflanzlichen System, v. 6, p. 354. (Barton, Veg. Mat. Med., v. 2, p. 64.)

The original was not available.

Spielmann, J. R.

1783

Acorus Calamus

Pharmacopoea Generalis, v. 1, p. 57. (Barton, Veg. Mat. Med., v. 2, p. 64;)

Gives a description, habitat, various pharmacopoeias in which it is contained, the various preparations made from it and the oil extracted from Acorus Calamus.

Acorus Calamus

Flora Japonicae, p. 144. (Barton, Veg. Mat. Med., v. 2, p. 64;)

The original was not available.

Cutler, M.

1785

Acorus Calamus

An Account of the Vegetables etc., p. 435. (Barton, Veg. Mat. Med., v. 2, p. 64.)

Gives a description, habitat, and use of Acorus Calamus.

Relhan, R.

1785

(Acorus Calamus)

Flora Cantabrigiensis, p. 140. (Woodville, Med. Bot., 2 ed., v. 4, p. 725;)

The original was not available.

Krocker, A. J.

1787

(Acorus Calamus)

Flora Silesiaca Renovata, p. 540. (Barton, Veg. Mat. Med., v. 2, p. 64.)

The original was not available.

Monro, D.

1788

Acorus Calamus

A Treatise on Med. and Pharm. Chem. and Mat. Med., v. 3, p. 36. (Barton, Veg. Mat. Med., v. 2, p. 64.)

Gives the properties, description, constituents and the uses of Acorus Calamus.

(Acorus Calamus)

Flora Germanicae, v. 1, p. 153 and v. 2, p. 398.
 (Barton, Veg. Mat. Med., v. 2, p. 64; Willdenow,
 Linne's Species Plant., 4 ed., v. 2, p. 199;)

The original was not available.

Aiton, W.

1789

Acorus Calamus

Hortus Kewensis, 1 ed., v. 1., p. 474. (Barton,
 Veg. Mat. Med., v. 2, p. 64; Woodville, Med. Bot.,
 2 ed., v. 4, p. 726; Willdenow, Linne's Species
 Plantarum, 4 ed., v. 2, p. 199.)

Gives a brief description and synonyms of Acorus
 with its habitats in England.

Loureiro, J. De

1790

Acorus Calamus

Flora Cochinchinensis, v. 1, p. 208. (Woodville,
 Med. Bot., 2 ed., v. 4, p. 725.)

Gives the description, habitat, uses and two peculiar
 names of Acorus Calamus of the type observed in India.

Hoffman, P.

1791

(Acorus Calamus)

Flora Germanicae, 1 ed., p. 123. (Barton, Veg. Mat.
 Med., v. 2, p. 64; Willdenow, Linne's Species Plant.,
 4 ed., v. 2, p. 199.)

The original was not available.

Moseley, J.

1792

(Acorus Calamus)

Treatise upon Tropical Disease, p. 169. (Barton,
 Veg. Mat. Med., v. 2, p. 64.)

The original was not available.

(Acorus Calamus)

Initia Bibliothecae Medico - practica, etc. v. 1,
pp. 129 and 176. (Barton, Veg. Mat. Med., v. 2, p. 64.)

The original was not available.

Pearson, R.

1794

(Acorus Calamus)

Thesaurus Medicaminum, 1 ed., v. 2, p. 165. (Barton,
Veg. Mat. Med., v. 2, p. 64.)

The original was not available.

Schroder, H. R.

1794

(Acorus Calamus)

Ejusdem Spicilegium Florae Germanicae, p. 525.
(Barton, Veg. Mat. Med., v. 2, p. 64.)

The original was not available.

Hudson, W.

1798

Acorus Calamus

Flora Anglica, 3 ed., p. 147. (Barton, Veg. Mat.
Med., v. 2, p. 64; Woodville, Med. Bot., 2 ed., v. 4,
p. 725.)

Gives a list of references and the habitat of Acorus
Calamus in England; also a pharmaceutical name.

Bahl, M.

1799

Acorus Calamus

Flora Danica, v. 7, tab. 1158. (Barton, Veg. Mat.
Med., v. 2, p. 64; Smith, English Bot., v. 2, p. 157.)

Gives a colored illustration of Acorus Calamus.

Acorus Calamus

Linne's Species Plantarum, v. 2, p. 199. (Barton, Veg. Mat. Med. Bot., 4 ed., v. 2, p. 64; Smith, Eng. Bot., v. 2, p. 157; Coxe, Am. Disp., 1 ed., p. 98;)

Gives a number of pre-Linnean names of Acorus Calamus with references for each.

Willdenow, C. L.

1799

Acorus Calamus

Linne's Species Plantarum, 4 ed., v. 2, p. 199. (Wood and Bache, Disp. U. S. A., 2 ed., p. 138; Ibid.; 3 ed., p. 136; Ibid., 4 ed., p. 140; Ibid., 5 ed., p. 144; Ibid., 6 ed., p. 144; Ibid., 7 ed., p. 144; Ibid., 8 ed., p. 145; Ibid., 9 ed., p. 150; Ibid., 10 ed., p. 151; Ibid., 11 ed., p. 151; Ibid., 12 ed., p. 181; Ibid., 13 ed., p. 189; Ibid., 14 ed., p. 192; Ibid., 15 ed., p. 311; Ibid., 16 ed., p. 318; Ibid., 17 ed., p. 211; Ibid., 18 ed., p. 286; 19 ed., p. 256;)

Gives a description of the plant, rhizome and habitat of Acorus Calamus.

Withering, W.

1801

Acorus Calamus

Bot. Arr. of British Plants, 1 ed., v. 1, p. 221. (Woodville's Med. Bot., 2 ed., v. 4, p. 725.)

Gives a description of flowers, stamens, pistils and seeds of Acorus.

Michaux, A.

1803

Acorus Calamus

Flora Boreali Americana, v. 1, p. 194. (Barton, Veg. Mat. Med., v. 2, p. 64.)

Gives a brief description of the plant and its North American habitat.

Acorus Calamus

Am. Dispens., 1 ed., p. 98, _____; _____;
 4 ed., p. 15; 6 ed., p. 18; 8 ed., p. 18; 9 ed.,
 p. 19; (Barton, Veg. Mat. Med., v. 2, p. 64;)

 Woodville, W.

1810

Acorus Calamus

Medical Botany, 2 ed., p. 725. (Barton, Veg. Mat.
 Med., v. 2, p. 64; Smith, English Bot., v. 2, p. 157.)

Gives a description, medicinal properties, substances
 present in the plant and how to isolate them, and the
 botanical classification of Calamus.

 Duncan, W.

1811

Acorus Calamus

Lewis, Edinburgh Dispensatory, 6 ed., p. 159.
 (Barton, Veg. Mat. Med., v. 2, p. 64.)

Gives a description of the plant, habitat and a
 brief summary of its constituents.

 Stokes, J.

1812

(Acorus Calamus)

Botanical Materia Medica, v. 2, p. 283. (Barton,
 Veg. Mat. Med., v. 2, p. 64;)

The original was not available.

 Chamisso, A.

1813

(Acorus Calamus)

Adnotationes, Kunth Flora Berolinensis, etc. p. 180.
 (Barton, Veg. Mat. Med., v. 2, p. 64.)

The original was not available.

Acorus Calamus

Catalogus Plantarum Americae Septentrionalis, p. 36.
(Barton, Veg. Mat. Med., v. 2, p. 64.)

Gives the synonyms and a technical description of the plant.

Thacher, J.

1813

Acorus Calamus

Am. New Dispens. 2 ed., p. 131; 3 ed., p. 131;
4 ed., p. 121; (Barton, Veg. Mat. Med., v. 2, p. 64.)

Gives the pharmacopocial name and synonyms of the drug,
its description and uses.

Thacher, J.

1813

Acorus Calamus

Am. New Dispensatory, 2 ed., p. 131; 4 ed., p. 121.
(Woodville, Med. Bot., 2 ed., v. 4, p. 725.)

Gives the habitat, description and medicinal and
commercial uses of the "root" of Acorus Calamus.

Bigelow, J.

1814

Acorus Calamus

Florula Bostoniensis, 1 ed., p. 83. (Barton, Veg.
Mat. Med., v. 2, p. 64; Am. Journ. Pharm., 5, p. 269.)

Gives a technical description, synonyms and habitat of
Acorus Calamus.

Hufeland, C. W.

1815

(Acorus Calamus)

Med. Review, v. 2, p. 458. (Barton, Veg. Mat. Med.,
v. 2, p. 64.)

The original was not available.

Acorus Calamus

London Pharmacopoeia, 3 ed., p. 22. (Woodville, Med. Bot., 2 ed., v. 4, p. 725;)

Gives the synonym and the part of Acorus Calamus which is used.

Pursh, F.

1816

Acorus Calamus

Flora Americae Septentrionalis, 2 ed., v. 1, p. 235. (Barton, Veg. Mat. Med., v. 2, p. 64; Am. Journ. Pharm., 5, p. 269.)

Gives a description and North American habitat of Acorus Calamus.

Purton, T.

1817

(Acorus Calamus)

British Plants of the Midland Counties, v. 3, p. 31. (Smith, Eng. Bot., v. 2, p. 157;)

The original was not available.

Barton, W. P. C.

1818

(Acorus Calamus)

Vegetable Materia Medica, v. 2, p. 64. (Wood and Bache, Disp., U. S. A., 2 ed., p. 138; Ibid., 3 ed., p. 136; Ibid., 4 ed., p. 140; Ibid., 5 ed., p. 144; Ibid., 6 ed., p. 144; Ibid., 7 ed., p. 144; Ibid., 8 ed., p. 145; Ibid., 9 ed., p. 150; Ibid., 10 ed., p. 151; Ibid., 11 ed., p. 151; Ibid., 12 ed., p. 181; Ibid., 13 ed., p. 189; Ibid., 14 ed., p. 192; Ibid., 15 ed., p. 311; Ibid., 16 ed., p. 318; Ibid., 17 ed., p. 281; Ibid.; 18 ed., p. 286; Ibid., 19 ed., p. 256; Ibid., Am. Journ. and Pharm., 5, p. 269;)

Gives a large list of references and a detailed description of Acorus Calamus, with a full paged colored illustration of the plant.

Acorus Calamus

Compendium Florae Phil., v. 1, p. 169. (Barton, Veg. Mat. Med., v. 2, p. 64; Am. Journ. Pharm., 5, p. 269.)

Gives a description, uses and habitat of Acorus Calamus.

Dyckman, J.

1818

(Acorus Calamus)

Edinburgh Dispensatory, p. 149; (Barton, Veg. Mat. Med., v. 2, p. 64.)

The original was not available.

Moreau de Jonne's, A.

1822

(Acorus Calamus)

Histoire Physique des Antilles Francaises, v. 3, p. 246. (Barton, Veg. Mat. Med., v. 2, p. 64.)

The original was not available.

Ludlow, E. G.

1824

(On the Medicinal Properties of Acorus Calamus)

N. York M. and Phys. Jour., 3, p. 320. (Index Cat. Surgeon Gen. Lib., S. 1, v. 1, p. 102;)

The original was not available.

Ainslie, W.

1826

The Root of Sweet Flag.

Materia Medica Indica, v. 1, p. 416. (Bentley and Trimen, Med. Plants, v. 4, pl. 279; Fluckiger and Hanbury, Pharmographia, 1 ed., p. 614; 2 ed., p. 676.)

Gives a description and use of Acorus Calamus by the natives of India.

(Acorus Calamus)

Dictionnaire de Mat. Medica, ed. __, v. __, p. __.
(Am. Journ. Pharm., 5, p. 266.)

The original was not available.

Smith, J. E.

1829

Acorus Calamus

English Botany, v. 2, p. 157. (Barton, Veg. Mat. Med., v. 2, p. 64; Coxe, Am. Disp., 4 ed., p. 177; Lindley, Flor. Med., p. 606; Duncan, Edinb. Disp., p. 159; Am. Journ. Pharm., 5, p. 269.)

Gives a description, the habitat and the ancient use of Acorus Calamus as a cure for the ague.

Stephson, J. and Churchill, J. M.

1831

(Acorus Calamus)

Medical Botany, P. __. (Bentley and Trimen, Med. Plants, b. 4, pl. 270;)

The original was not available.

Martius, T.

1832

Aetherische Oele

Annalen die Chemie, 4, p. 264. (Berichte, des Deutsches Gesellschaft, 46, p. 3700;)

Gives the amount of oil obtained from dry and fresh roots of Acorus Calamus.

Beck, L. C.

1833

(Acorus Calamus)

Botany of the North and Mid. States, 1 ed., p. 381; 2 ed., p. 383. (Am. Journ. Pharm., 5, p. 266;)

Gives a botanical description and North American habitat of Acorus Calamus.

Calamus U. S. Secondary

Disp. U. S. A., 2 ed., p.138; Ibid., 3 ed., p. 136;
 Ibid., 4 ed., p. 140; Ibid., 5 ed., p. 144; Ibid.,
 6 ed., p. 144; Ibid., 7 ed., p. 144; Ibid., 8 ed.,
 p. 145; Ibid., 9 ed., p. 150; Ibid., 10 ed., p. 151;
 Ibid., 11 ed., p. 151; Ibid., 12 ed., p. 181; Ibid.,
 13 ed., p. 189; Ibid., 14 ed., p. 192; Ibid., 15 ed.,
 p. 311; Ibid., 16 ed., p. 318; Ibid., 17 ed., p. 281;
 Ibid., 18 ed., p. 286; Ibid., 19 ed., p. 256; 20 ed.,
 p. 1296; Ibid., 21 ed., p. 1237; Ibid., 22 ed., p. 248;)

Gives various pharmacopoeial and common names of the drug, a description of the plant, its habitat, properties, medical properties and uses.

Burnett, G. T.

1835

(Acorus Calamus)

Med. Botany, v. 1, p. 32. (Bentley and Trimen, Med. Plants, v. 4, pl. 279;)

The original was not available.

Lindley, J.

1838

Acorus Calamus

Flora Medica, p. 606. (Bentley and Trimen, Med. Plants, v. 4, p. 279.)

Gives a botanical description, ~~habitat~~ habitat and medicinal uses of Acorus Calamus.

Jourdan, A.

1840

Acorus Calamus

Pharmacopoeia Universelle, v. 2, p. 392. (Barton, Veg. Mat. Med., v. 2, p. 64.)

Gives a detailed description of the drug and several formulae containing Acorus Calamus.

Acorus Calamus

Am. Journ. Pharm., 12, p. 23.

Discusses Guibort's contention, because of similarity of description, that gentian was the Calamus verus of the ancients.

Pereira, J.

1842

Acorus Calamus

Mat. Med., v. 2, p. 140. (Waring, Pharm. of India, p. 249;)

Gives a description and discusses the medicinal uses of Acorus Calamus.

Schneidermann, H.

1842

Zusammensetzung des Calmusols

Annalen der Chemie, 41, p. 374. (Berichte des Deutschen Chem. Gesell., 46, p. 3700;)

Gives the different physical properties of the two fractions collected from oil of Calamus at 195°C and 260°C.

Thomson, A. T.

1844

Acorus.

London Dispens., 10 ed., p. 181. (Bentley and Trimen, Med. Plants, v. 4, p. 279.)

Gives a description, synonyms, constituents, medical properties and uses of Acorus Calamus.

Ledebour, K. F.

1846

(Acorus Calamus)

Flora Rossica, v. 4, p. 13. (Bentley and Trimen, Med. Plants, v. 4, pl. 279;)

The original was not available.

(Acorus Calamus)

Mat. Med., p. 655. (Waring, Pharm. India, p. 249.)

The original was not available.

Watson, H. C.

1847

(Acorus Calamus)

Cybele Britannica, p. 348. (Bentley and Trimen, Med. Plants, v. 4, pl. 279.)

The original was not available.

Gray, A.

1848

Acorus Calamus

Manual of Botany of the United States, 1 ed., p. 448; 2 ed., p. 429. (Bentley and Trimen, Med. Plants, v. 4, p. 279.)

Gives a detailed botanical description and the distribution in the above area of Acorus Calamus.

Johnston, J. F. W.

1855

Artificial Flavoring of Wines.

Chemistry of Common Life, v. 2, p. 207. (Bentley and Trimen, Med. Plants, v. 4, p. 279.)

Describes the uses of Calamus as a flavoring agent to be used in different liquors to give them a peculiar taste and bouquet odor.

Grenier, C. and Godron, D. A.

1856

Acorus Calamus

Flore de France, v. 3, p. 332. (Bentley and Trimen, Med. Plants, v. 4, p. 279.)

Gives a description and distribution in France, and habitat of Acorus Calamus.

(Acorus Calamus)

Prodamus Systematicae Aroideae, p. 578. (Bentley and
Trimen, Med. Plants, v. 4, p. 279.)

The original was not available.

Proctor, W.

1859

Formulae for the Fluid Extracts.

Am. Journ. Pharm., 31, p. 530., 32, p. 112.

Acorus Calamus comes under the sixth class for
preparing fluid extracts.

Maisch, J. M.

1860

Fluid Extract of Calamus

Am. Journ. Pharm., 32, p. 113. (Wood and Bache,
Disp. U. S. A. 12 ed., p. 182;)

Stille, A.

1860

Acorus Calamus

Therapeutics and Mat. Med., 2 ed., v. 1, p. 489.
(Bentley and Trimen, Med. Plants, v. 4, p. 279.)

Gives a description, habitat and therapeutic
properties of Acorus Calamus.

Bentham, G.

1861

(Acorus Calamus)

Flora Hongkongensis, etc., p. 345. (Bentley and Trimen,
Med. Plants, v. 4, p. 279.)

The original was not available.

Aetherischer Oil

Johnesbericht der Chemie, _____ p. 545.
 (Berichte, das Deutsches Chem. Gesell, 46, p. 3700;)

Gives a chart showing the specific gravity, index of refraction and the angles of rotation of the various etherial oils, among which is oil of Calamus.

Schultes, H.

1863

Ueber die Auwendung des Calmus zur Vertilgung von Insecten.

Buchner Repertorium, 12, p. 438. (Proc. Am. Pharm. Assoc., 13, p. 116; Pharm. Journ., 5, p. 587.)

Discusses the uses of Acorus Calamus, in powder form, as a preventive for insect depredations.

Ascherson, P.

1864

(Acorus Calamus)

Flora der Provinz Brandenburg, p. 674. (Merck's Report, 20, p. 277.)

The original was not available.

Schultes, H.

1865

(Acorus Calamus)

Med. Time, _____, p. _____. (Proc. Am. Pharm. Assoc., 13, p. 116.)

The original was not available.

Faust, A.

1867

Acorin, ein Glykosid in Kalmus

Archiv. d' Pharm., 181, p. 214. (Viertjahr Schrift. f. Ph., 18, p. 136; Proc. Am. Pharm. Assoc., 17, p. 246.)

Discusses the bitter principle Acorin isolated from the rhizome of Acorus Calamus, which he claims is a glucoside.

Calamus

Pharmacopoeia of India, p. 249. (Bentley and Trimen, Med. Plants, v. 4, p. 279.)

Gives a description of Acorus Calamus and its chief medicinal uses.

Gmelins, L.

1871

Acorin - A Substance Extraced from Acorus Calamus.

Handbook of Chemistry, v. 18, p. 213. (Thomson, London Disp., 10 ed., p. 181.)

Discusses the extraction of this "glucoside" from the roots of Acorus Calamus and describes its physical and chemical properties.

Trimen, H.

1871

(Acorus Calamus)

Journal of Botany, _____, p. 163. (Bentley and Trimen, Med. Plants, v. 4, p. 279.)

The original was not available.

Kurbatow, A.

(Acorus Calamus)

Berichte d. d. Chem. Gesellschaft, 2, p. 1210.
 (Wood and Bache, 15 ed., p. 312; 16 ed., p. 319;
 17 ed., p. 282; 18 ed., p. 286; 19 ed., p. 256;
 20 ed., p. 1996; 21 ed., p. 1237; 22 ed., p. 248;
 Archiv. d' Pharm., 224, p. 465; Am. Journ. Pharm.,
 46, p. 282; Annal d. Chemie, 173, p. 4; Liebigs
 Ann., 173, p. 4; Schimmel and Co., Report, April
 1914, p. 32; Fluckiger and Hanbury, 1 ed., p. 614;
 2 ed., p. 676; Yr. bk. Brit. Pharm. Conf., p. 143,
 11, 1874.)

Gives an account of the substances isolated from Calamus oil by fractional distillation.

Evers, B.

1874-75

Indian Medicinal Plants.

Pharm. Journ., 34, p. 1029.

Discusses the use of a decoction of *Acorus Calamus* for the treatment of dysentery in children.

(Editor)

1876-77

"The Month"

Pharm. Journ., 36, p. 1060.

Gives a description of *Acorus Calamus* as found in the Botanical Gardens at Regents' Park, in London, along with the description of various other plants.

Holmes, E. M.

1879

Notes on some Japanese Drugs.

Pharm. Journ., 39, p. 102. (Proc. Am. Pharm. Asso., 28, p. 103;)

Acorus Spurius, Schott, is considered to be a variety of *Acorus Calamus* Linne.

Bentley, R. and Trimen, H.

1880

Acorus Calamus

Medicinal Plants, v. 4, p. 279. (Wood and Bache, 15 ed., p. 311; 16 ed., p. 318; 17 ed., p. 281; 18 ed., p. 286; 19 ed., p. 256; Merck's Report, 20, p. 277.)

Gives a double paged illustration, description, habitat, constituents and medicinal properties of *Acorus Calamus*.

Dymock, W.

1880-81

Notes on Indian Drugs

Pharm. Journ., 40, p. 21.

Gives the various therapeutic uses of *Acorus Calamus* as used in India by the natives.

Remarks on Some Medicinal Plants of Ceylon

Pharm. Journ. Apr. 1883, p. 819. (Am. Journ. Pharm., 55, p. 325; Proc. Am. Pharm. Assoc., 31, p. 100; Yr. bk. Brit. Pharm. Conf., 20, p. 244.)

In Ceylon an infusion of the rhizome is used as an anthelmintic.

Holmes, E. M.

1884

Med. Plants used by the Cree Indians

Am. Journ. Pharm., 56, p. 617.

The rhizome of *Acorus Calamus* was used and called Pow-e-men-artic by the Cree Indians. It was also known as Fire Root or Bitter Pepper Root.

Hooker, J. D.

1884

Acorus Calamus

Student's Flora of Brit. Isles, 3 ed., p. 424. (Bentley and Trimen, Med. Plants, v. 4, p. 279.)

Gives a description, habitat, and medicinal uses of *Acorus Calamus*.

Thoms, H.

1886

Ueber den Bitterstoff der Kalmuswurzel.

Archiv. d' Pharm., 224, p. 465. (Pharm. Jour., p. 1085, Wood and Bache, Disp. U. S. A., 16 ed., p. 319; 17 ed., p. 282; 18 ed., p. 286; 19 ed., p. 256; 20 ed., p. 1,296; 21 ed., p. 17,237; 22 ed., p. 249; Am. Journ. Pharm., 59, p. 89; Proc. Am. Pharm. Assoc., 34, p. 376; Yr. bk. Brit. Pharm. Conf., 23, p. 161.)

Gives a description of Acorin and the alkaloid calamine obtained from *Acorus Calamus*.

Ueber den Bitterstoff der Kalmuswurzel.

Annalen der Chemie, 240, p. 92. (Yrbk. Brit. Pharm. Conf., 25, p. 131.)

Gives an account of the constituents found in the oil of *Acorus Calamus*.

Ueber den Bitterstoff der Kalmuswurzel.

Berichte der Deut. Chem. Gesell, 20, p. 575. (Yrbk. Brit. Pharm. Conf., 26, p. 129.)

Discusses the constituents of *Calamus* root and the isolation of dextrose and tannic acid.

Olea Aetherae

Pharm. Post. 21, pp. 789 and 821. (Chemiker Zeitung, 13, p. 1088.)

Gives various physical properties of several oils; including oil of *Calamus*.

Zur Analyse der Atherischen Oele.

Chem. zgt., 13, p. 1088. (Schimmels and Co., Report, 1902, Oct./Nov., p. 13.)

Gives a table of the etherial oils and their methyl number including oil of *Calamus*.

The Medicinal Uses of Leaves.

(Am. Journ. of Pharm., 62, p. 471.)

The volatile oil of the leaves of *Acorus Calamus* is used in perfume industry. The leaves themselves, were spread in churches to create pleasant odor.

Schimmel and Co.

1892

Calamus Oil

Report, Oct. p. 8.

Discusses the effect of low water levels on the gathering of the rhizomes of *Acorus Calamus*.

Schimmel and Co.

1893

Calamus Oil

Report., Apr., p. 13.

Report that collection of the root continued late in this year because of abnormal dryness.

Schimmel and Co.

1893

Calamus Oil

Report, Oct., p. 9.

Gives a table containing data on various oils, among them, Calamus oil, showing the constituents, specific gravity and botanical source.

Buchanan, F.

1894

(*Acorus Calamus*)

Flora der Nordwestdeutschen Tiefebene, p. 131.
(Merck's Report, v. 20, p. 277.)

The original was not available.

Schimmel and Co.

1895

Calamus Oil

Report, Apr. p. 18. (Wood and Bache, Disp. U. S. A., 19 ed., p. 256;)

Discusses the variations of the specific gravities and optical rotations and possible adulterations and detection in oil of *Calamus*.

Calamus Oil

Report, Oct., p. 9. (Wood and Bache, Disp. U. S. A., 19 ed., p. 256;)

Discusses the drought which prevailed until autumn making the supply of the root plentiful. The Company retained the same price rather than discourage collection of the root.

Schimmel and Co.

1897

Calamus Oil

Report, Apr., p. 9.

Discusses the limitation of last year's oil due to the heavy rains preventing the gathering of roots.

Schimmel and Co.

1898

Calamus Oil

Report, Apr., p. 6.

Gives a list of essential oils among them being Acorus Calamus.

Schimmel and Co.

1899

Calamus Oil

Report, Oct., p. 8.

Discusses the cessation of digging of Calamus root around Leipzig during the past year. Reports the isolation of an unknown crystalline compound from a fraction of the oil which is probably a sesquiterpene-hydrate.

Schimmel and Co.

1900

Calamus Oil

Report, Oct., p. 8.

Discusses the necessity of importing Calamus root, chiefly Japanese, and the retention of oil of Calamus in the 4 ed., of the German Pharmacopoeia.

The Student's Column.

Pharm. Journ., 66, p. 189.

Gives a description of the root of *Acorus Calamus* and its microscopical structure and constituents.

Schimmel and Co.

1901

Calamus Oil

Report, Apr./May, p. 15.

Discusses the similarity of the compound isolated from the oil by Soden and Rojahn and the compound isolated by themselves.

Schimmel and Co.

1901

Calamus Oil

Report, Oct., p. 10.

Discusses the enormous yield of *Calamus* root around Leipzig due to an extremely dry summer; also discusses the compound isolated from the oil by Thoms and Beckstroem.

Soden, H. and Rojahn, W.

1901

Über einen Kristallinischen Bestandtheil des Kalmusoles.

Pharm. ztg. p. 243. (Schimmel and Co. Report, Apr./May 1901, p. 13; Yrbk. Brit. Pharm. Conf., 38, p. 46;)

Discusses the crystalline constituents of *Calamus* oil obtained from *Acorus Calamus*.

Ueber die Bestandtheil des Calmus - Oeles.

Berich., d. d. Chem. Gesell, 34, p. 14. (Schimmel and Co. Report, Oct./Nov., p. 13; Proc. Am. Pharm. Assoc., 51, p. 888; Pharm. Journ., 73, p. 428; Yrbk. Brit. Pharm. Conf., 39, p. 51;)

Gives the properties of the oil obtained from Acorus Calamus and the asarone content.

Schimmel and Co.

1902

Calamus Oil

Report, April, p. 9.

Discusses the confirmation of the fact that the "Calamus Camphor" is an alcohol related to the sesquiterpenic alcohols.

Schimmel and Co.

1902

Calamus Oil

Report, Oct./Nov., p. 14.

Discusses the naming of the "Calamus Camphor," isolated in 1901, by Beckstroem. It is called "Calameone" and is considered to be neither an alcohol or a ketone but similar to cineol.

Schimmel and Co.

1903

Calamus Oil

Report, April/May, p. 14.

Discusses the fact that Calamus oil contains asarone and its relation to the high methyl number of the oil.

Hooper, D.

1904

Acorus Calamus

Pharm. Journ., 73, p. 206. (Yrbk. Brit. Pharm. Conf., 42, p. 172.)

Gives a description, habitat, chemical constituents and therapeutic uses of Acorus Calamus.

Warming, E.

1904

Oronticæ - Calamus group.

Systemic Botany, p. 306. (Merck's Report, 20, p. 277;)

Gives a brief description of Acorus Calamus with a page of illustrations.

Asahina, Y.

1906

Composition of Japanese Produced Calamus Oil.

Journ. Pharm. Soc. Japan, v. __, No. 295, p. 993. (Pharm. ztg., 51, p. 998; Proc. Am. Pharm. Assoc., 55, p. 757.)

Discusses the identity of the volatile substances isolated from Japanese Calamus and their similarity to European oil of Calamus.

Carthaus, _____.

1907

(Acorus Calamus)

Jaarboek van het Departement van Landbouw in Nederlandsch-Indie, 1907, p. 67. (Schimmel and Co. Report, April, 1909, p. 22.)

The original was not available.

Schimmel and Co.

1907

Calamus Oil, Japanese.

Report, April, p. 15.

Discusses the constituents of the oil obtained from Japanese Calamus.

Schimmel and Co.

1909

Calamus Oil, Javanese.

Report, April, p. 22.

Compares the Javanese Calamus oil with the European Calamus oil as to index of refraction, specific gravity and optical rotation.

Holm, T.

1911

Acorus Calamus

Merck's Report, 20, p. 277. (Proc. Am. Pharm. Assoc., 29, p. 151;)

Gives a botanical and morphological description of Acorus Calamus with 19 figures drawn from nature.

Gilmore, M. R.

1912

Some Plants Used Medicinally by the Omaha Indians of Nebraska.

Merck's Report, Aug., p. 214.

Gives a list of plants used medicinally by the Omaha Indians. Acorus Calamus is among them, being used as a carminative and a tonic.

Schimmel and Co.

1912

Calamus Oil.

Report, April, p. 32.

Discusses the unfavorable reports regarding cheaper qualities of Calamus oil.

Schimmel and Co.

1912

Calamus Oil.

Report, Oct., p. 25.

Discusses the low price of Calamus oil due to the advantageous supply of rhizomes.

Schimmel and Co.

1913

Calamus Oil.

Report, Oct., p. 30.

Discusses the rise in prices of the Calamus oil due to the scarcity of raw material.

Semmler, F. W., and Spornitz, K. E.

1913

Über die Bestandtheil des Kalmus-Ols.

Berichte d.d. Chem. Gesell., 46, p. 3700. (Schimmel and Co., Report, April 1914, p. 32;)

Discusses the several constituents found in oil of Calamus.

Tschirch, A.

1913

(Acorus Calamus)

Die Gerbstoffzellen des Kalmus rhizomes Schweiz. Wschr. f. Chem. u. Pharm., 51, 19, p. 270. (Yrbk. Am. Pharm. Assoc., 2, p. 164;)

Gives a chart showing the reactions of different re-agents upon fresh and dried rhizomes of Acorus Calamus.

Schimmel and Co.

1914

Calamus Oil.

Report, April, p. 33.

Discusses the scarcity of material for preparing Calamus oil and the use of glycerol acetate as an adulterant. Semmler and Spornitz also isolated a-pinene from the oil of Russian Calamus.

Calamus Oil.

Report, Co./April, p. 9.

Compares the European Calamus oil with the Japanese Calamul oil.

Russell, G. A.

1915

Chemical and Physical Properties of Calamus Oil.

Journ. Am. Chem. Soc., 37, p. 2387. (Journ. Indian Inst. Science, 17a, p. 25.)

Gives the habitat of Acorus Calamus, and the physical appearance, physical constants, chemical constants, solubility, acids, and fractionation data of the oil obtained from Acorus Calamus.

Schimmel and Co.

1915

Calamus Oil.

Report, Oct., 1915, p. 8.

Discusses Asahina's work on Japanese oil of Calamus.

Schimmel and Co.

1916

Calamus Oil.

Report, April/Oct., 1916, p. 8.

Discusses the use of safrol from camphor oil as an adulterant in Calamus oil. Discusses the oils obtained from the various plant parts from samples of material obtained in different habitats. The material was obtained from near Madison, Wis., and purchased from commercial sources.

Schimmel and Co.

1917

Calamus Oil.

Report, 1917, April/Oct., p. 6.

Due to the scarcity of men to collect the material, there was little chance to purchase much material. Discusses three adulterants found in the three samples of oil tested; the adulterants being glycerol acetate, terpineol, and safrol.

Calamus Oil.

Report, 1923, p. 10.

Explains the difference in specific gravity of the oil as due to difference in the time of collection of the roots of *Acorus Calamus*.

Rao, B. S., Sudborough, J. J. and Watson, H. E. 1925

Acorus Calamus

Journ. Indian Inst. of Sc. 8a, p. 149. (Schimmel and Co. Report, 1926, p. 9; Yrbk. Brit. Pharm. Conf., 63, p. 104.)

Gives the amount of oil of Calamus obtained by steam distillation with its acid value, saponification value, saponification value after acetylation and the solubility. Also gives the results of distillation of Calamus root oil at 10 m.m. pressure.

Schimmel and Co.

1926

Calamus Oil.

Report, p. 9.

Gives the saponification value, acid values, acid value after acetylation, optical activity and solubility of a Calamus oil obtained by Rao, Sudborough and Watson.

Schimmel and Co.

1929

Calamus Oil.

Report, p. 7.

Discusses the properties of an oil obtained from *Acorus Calamus* grown in Russia.

Acorus Graminius

(Farm. Rwy, 28, p. 553. (Yrbk. Am. Pharm. Assoc. 18, p. 106;)

Discusses the similarity of the Japanese Acorus Graminius to Acorus Calamus.

Schimmel and Co.

1930

Calamus Oil

Report, p. 9.

Discusses the decline in the demand of Calamus oil, the confirmation of this by the unchanged slackness in the market.

Schimmel and Co.

1931

Calamus Oil

Report, p. 9.

Discusses the decrease in demand of Calamus oil. Russian Calamus is the only Calamus distilled.

Schimmel and Co.

1933

Calamus Oil

Report, p. 6.

Discusses the probability of stopping production of German Calamus oil due to the large scale production in Russia and Rumania.

Kelkar, N. C. and Rao, B. S.

1934

Essential Oil from the Rhizomes of Acorus Calamus.

Journ. Indian Inst. of Sc., 17a, p. 25. (Schimmel and Co. Report, 1935, p. 9.)

Gives a detailed description of the constituents of the oil obtained from Acorus Calamus.

Calamus Oil

Report, p. 8.

Discusses the Soviet Union offering ample supplies of Calamus rhizome for distillation.

Buell, M. F.

1935

Seed and Seedling.

Botan. Gaz., 96, p. 758. (Pharm. Abstracts, 1, p. 204.)

Gives a description of the growth of various seeds, one of them being the seed of Acorus Calamus.

Kramer, J. E.

1935

The Drugs of the Bible.

Am. Journ. Pharm., 107, p. 285;)

Acorus Calamus is listed as one of the drugs occurring in the Bible. It was supposedly used in Moses' Holy Anointing Oil.

Rao, B. S. and Subramanian, K. S.

1935

Asarone

Current Science, 3, p. 552. (Schimmel and Co. Report, 1937, p. 8.)

Discusses allyl asarone obtained from Oil of Calamus and its conversion into propenyl asarone by fusion with potassium hydroxide.

Schimmel and Co.

1935

Calamus Oil

Report, p. 9.

Discusses the work of Kelkar and Rao on the rhizomes of Indian Calamus and the constituents which they isolated.

Schimmel and Co.

1936

Calamus Oil

Report, p. 9.

Discusses the limited demand of Calamus oil and the 15% rise in prices of Calamus roots since 1934.

Schimmel and Co.

1937

Calamus Oil

Report, p. 8.

Discusses the scarcity of Calamus. According to Rao and Subramanian, the chief constituent of Indian Calamus is allylsarone.

(Acorus Calamus)

Acta Societ. Med. Hann., v. _____, p. 206. (Woodville, Med. Bot. 2 ed., v. 4, p. 725.)

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UNITED STATES PHARMACOPEIA

(O - XI)

1820 - 1930

NATIONAL FORMULARY

(I - VI)

1888 - 1935

HISTORY

OF

ACORUS CALAMUS

Calami Radix

Calamus. Sweet Flag - root.

Prop. Crooked, full of joints, flattened at the sides; internally of a/white colour, and spongy texture; odour strong and fragrant; taste/warm, pungent, and slightly bitter; virtues yielded to watery infusions./

Med. Oper. Tonic, stomachic, carminative.

Dose, scruple $\frac{1}{i}$ to dram i.

U. S. P. 1840, P.p. 15

Calamus. Sweet Flag

The rhizoma of Acorus Calamus.

U. S. P. 1850, P.p. 17

Calamus. Sweet Flag

The rhizoma of Acorus Calamus.

U. S. P. 1860, S.p. 57

Calamus. Calamus

The rhizoma of Acorus Calamus.

U. S. P. 1870, S.p. 57

Calamus. Calamus

The rhizome of Acorus Calamus.

Calamus.

Calamus.

(Sweet Flag)

The rhizome of *Acorus Calamus* Linne.
(Nat. Ord. Araceae.)

In sections of various lengths, unpeeled, about three quarters of an inch (2 centimeters broad, subcylindrical, longitudinally wrinkled; on the lower surface marked with the circular scars of the rootlets in wavy lines; externally reddish brown/somewhat annulate from remnants of leaf sheaths; internally whitish, of a spongy texture, breaking with a short, corky fracture, showing numerous oil cells and scattered wood bundles, the latter crowded within the subcircular nucleus sheath. It has an aromatic odor, and a strongly pungent taste.

Preparation: *Extractum Calami Fluidam.*

Calamus.

Calamus.

(Sweet Flag)

The rhizome of *Acorus Calamus* Linne.
(Nat. Ord. Aroideae.)

In sections of various lengths, unpeeled, about (2 centimeters broad, subcylindrical, longitudinally wrinkled; on the upper surface marked with leaf scars forming triangles, and on the lower surface with the circular scars of the rootlets in wavy lines; externally reddish brown somewhat annulate from remnants of leaf sheaths; internally whitish, of a spongy texture, breaking with a short, corky fracture, showing numerous oil cells and scattered wood bundles, the latter crowded within the subcircular endoderm. It has an aromatic odor and a strongly bitter taste.

Preparation: *Extractum Calami Fluidam.*

Calamus.

Calamus.

The unpeeled, dried rhizome of *Acorus Calamus* Linne (Fam. Araceae.)

Rhizome 1 to 2 Cm. thick, usually in longitudinally split pieces of various lengths; when entire, cylindraceous and somewhat vertically flattened, externally reddish brown, somewhat annulate from remnants of leaf sheaths; upper surface with triangular leaf scars, the lower surface with circular pitted scars of roots: fracture short, showing numerous oil cells and scattered fibrovascular bundles, the latter crowded within the endodermis; odor aromatic; taste pungent and bitter.

Average dose - 1 Gm. - (15 grains.)

N. F. VI, p. 65

Calamus.

Calamus.

Sweet Flag

Calamus is the peeled, dried rhizome of *Acorus Calamus* Linne (Fam./Araceae)/

Calamus contains not more than 1% of foreign organic matter/and not more than 6% of total ash and not more than 0.5%/ of acid insoluble ash.

Description and physical properties.

Unground Calamus: Subcylindrical, usually split longitudinally, up to 22 Cm./ long and up to 2 Cm. thick; pale yellowish to pinkish brown, with small, darker/colored, slightly raised root scars distributed over the lower surface in zig-zag arrangement; upper surface longitudinally furrowed; fracture short, granular and/porous, exhibiting a distinct endodermul line. Odor aromatic; taste aromatic/bitter, acrid./

Structure - Cortex broad, composed of chains of parenchyma cells surrounding/large intercellular

airspace, the cells usually filled with starch grains, each chain/containing one or more spheroidal secretion sacs with a yellowish volatile content; endodermis of small thin walled cells; stele large, resembling the cortex in/structure, but with concentric vascular bundle without fibers, distributed through/out, though more numerous near the endodermis; occasional collateral root trace bundle with fibers, in the cortex.

Powdered Calamus - Grayish to yellowish white; starch abundant, in spheroidal/grains up to .010 mm. in size, mostly from .002 to .006 mg; usually simple/rarely 2 or 3 compound; tracheae few, reticulate or scalariform, rarely spiral,/occasional fragments of parenchyma with cell contents colored black with ferric/chloride T.S.; the walls of some of the parenchyma cells colored red with vanillin-/hydrochloride acid; fibers few and slightly lignified.

Tests for purity.

Powdered Calamus contains no starch grains over .010 mm. in size (cereal/flours and althea) or an excess of sclerenchyma or crystal fibers (unpeeled Calamus.)/

Average dose: Metric, 3 Gm. - Apothecareis 45 grains.

SUMMARY OF U. S. P. AND N. F. DATA OF CALAMUS.

When Official:

U. S. P. 1830 (N.Y.); '40; '50; '60; '70;
'80; '90; 1900; N. F. VI 1935.

Official Latin Title:

U. S. P. 1830 (N.Y.), Calami Radix; '40,
Calamus; '50 Calamus; '60 Calamus;
'70 Calamus; '80 Calamus; '90 Calamus;
1900 Calamus; N. F. VI Calamus.

Official English Title:

U. S. P. 1830 (N.Y.), Calamus; '40,
Sweet Flag; '50, Sweet Flag; '60, Calamus;
'70, Calamus; '80, Calamus; '90, Calamus;
1900, Calamus; N. F. VI, Calamus.

Official Abbreviation:_____.

Official Synonyms:

U. S. P. 1830 (N.Y.), Sweet flag-root;
'40, Sweet flag; '50, Sweet Flag; '80,
Sweet Flag; '90, Sweet Flag; N. F. VI,
Sweet flag.

Family (Nat. Order):

U. S. P. 1880, Nat. Order, Araceae;
'90, Nat. Order, Aroideae; 1900, Fam,
Araceae; N. F. VI Fam. Araceae.

Scientific Name:

U. S. P. 1840, Acorus Calamus; '50; '60;
'70; '80; '90; 1900; N. F. VI, Acorus
Calamus.

Official Description:

U. S. P. 1830 (N.Y.); '80; '90; 1900;
N. F. VI.

Official Preparations:

U. S. P. 1880, Extractum Calami Fluidum;
(90;

Official Dose:

U. S. P. 1830 (N.Y.), Scruple $\frac{1}{i}$ to
dram $\frac{1}{i}$; 1900, 1 Gm. (15 grains);
 $\frac{1}{i}$.

N. F. VI, 3 Gm. - 45 grains.

APPROVED BY W. Richtmann
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