

A

T A X O N O M I C R E V I S I O N

O F T H E

GENUS CALYSTEGIA

APPENDIX 1

by R. K. Brummitt

part of
a Thesis submitted for
Degree of Doctor of Philosophy
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APPENDIX 1CITATIONS OF SPECIMENS SEEN

For each taxon all specimens seen are grouped according to their place of collection under political-geographical areas as defined by the Times Atlas of the World (1955-59). They are grouped first into continents and then into countries which are listed alphabetically in block capitals. Subdivisions of countries are arranged according to geographical position, major ones printed in small letters (underlined) on their own line, minor ones in small letters (underlined) on the same line as the first citation. All specimens in each of the smallest of these subdivisions are listed chronologically according to date of collection. Specimens which cannot be localised exactly are listed at the end of their nearest known area under the heading 'others'. Those with no date of collection are listed after those with date indicated. For each specimen the locality, and ecological data where given, are included in full as written on the label of the specimen, except that names of countries, or subdivisions of same, already listed as headings, are omitted. For punctuation a comma ^{is} ~~being~~ used throughout. After the locality and ecological data, the date of collection is given, followed by the name of collector(s). If the specimen is from a standard exsiccata, the name of the exsiccata is given, and lastly the

the collectors' number where given. At the end of each citation is the standard abbreviation (Lanjouw & Stafleu, 1959) of the herbarium in which the specimen is found (see p. 5). After this, separated by a semi-colon, is any name applied to the plant on the original label when this differs from the name given in this account and is not a direct synonym of it, preceded by the word 'sub'.

C. saxicola (Eastwood) Brummitt ined.
subsp. saxicola

California

Podega Point, Sonoma Co., 29.vi.1915, Alice Eastwood, 4861 (K).

subsp. illecebrosa (House) Brummitt ined.

California

- Alameda Hills, 27.iv.1871, (NY).
Mission Hills, San Francisco, 7.vii.1871 (NY).
San Bruno mount (NY).
Sausalito, v. 1876, Harry Edwards (NY).
Sausalito, vi.1876, Harry Edwards (NY).
Marin Co., vii.1880, G. L. Vasey, 432 (K).
Mendocino City, 8-16.viii.1912, Alice Eastwood, 1725a (US).
Tiburon, Marin Co., 9.vi.1912, Alice Eastwood, 309 (US).
Marin Co., Stinson Beach, Ocean bluffs, 19.v.1935, Lewis S. Rose, 35181 (W).
Roadside just north of Hamlet, route 1, Marin Co., 27.v.1938, J.B. & R.K. Rossbach, 776 (WU).
Low coastal chaparral, Nortora Mts., San Mateo Co., 400 ft., 30.iv.1950, Peter H. Raven (NY).
San Mateo Co., Emerald Lake region, alt. ca. 800 ft., hills w. of Redwood City, 20.v.1950, Lewis S. Rose, 5014 (NY).
Chaparral near San Andreas Lake, San Mateo Co., alt. ca. 400 ft., 3.vi.1950, Peter H. Raven (NY).
Sausalito, nr. San Francisco, on top of roadside bank, 1/4 mile from sea, 19.iv.1959, Katharin Brummitt (LIVU).
Russian Gulch, Mendocino, cliffs above sea, 5.v.1962, Katharin A. Brummitt (LIVU).

C. longipes (S. Watson) Walters & Webb ined.

California

- Acton, Los Angeles Co., vi.1902, A.D.E. Elmer, 3603 (K).
Vicinity of Havilah, Kern Co., 11.vi.1905, Fordyce Grinnell, 191 (US).
Los Angeles Co. Oakgrove Canyon, Liebre Mountains, alt. 3,500-3,000
LeRoy Abrams and E.A. McGregor, 19-21.vi.1908, 385 (NY).
Near Independence, Owens Valley, Inyo Co., 4,000 ft., cleared land being reclaimed by desert shrubs, 7.vi.1933, Victor Duran, 3468 (BM, K).
Rocky open west slope with Ephedra, Artemisia, Chrysothamnus & Eriogonum, 5,500 ft. alt., above Big Pine, Sierra Nevada, Inyo Co., 9.viii.1938, L. Constance, 2435 (K).

Rocky places, Pah Ute Peak, 3-5,000 ft. (K).
Flora of California, Arizona etc., B. Palmer, 416 (K).

C. occidentalis (A. Gray) Walters & Webb ined.

subsp. fruticetorum (Greene) Brunnitt ined.

California

South side of Mt. Shasta, Siskiyou Co., 5,000-10,000 ft.,
15-31.vii.1897, H.E. Brown, 555 (NY).
Little Chico, Butte Co., v.1898, Mrs. C.C. Eruce, 2039 (NY).

C. atriplicifolia Hallier f.California

- Butte Co., near Stirling, elevation 3400 feet, 7.vi.1913,
A. A. Heller, 10789, (K, NY, PH).
Del Norte Co., rocky open ground at Douglas Park on the Smith
River, 5.vi.1928, J. William Thompson, 4515, (WTU).

Oregon

- Near the Dalles, vii.1860, Dr. Lyall, Oregon Boundary Commission,
Columbia River, (K).
North Yamhill, 7.vii.1882, Thomas J. Howell, (NY; sub Con.
californicus).
Oregon, 1882, Howell, (BM; sub Con. californicus).
Eugene, 15.v.1907, Lilla Irvin, now Mrs. J. R. Leach, (PH).
Grassy bank along railroad, Gerlinger, Polk Co., 29.vi.1921,
J. C. Nelson, 3961, (PH).
Roadside one mile north of Monroe, Benton Co., 18.v.1928, Mettie
P. Gale, 210, (K; sub Con. soldanella).

Washington

- Barren pine woods, Falcon Valley, 27.vi.1881, W. N. Suksdorf,
(BM, F).
Mt. Paddo (Adams), 14.vii.1886, W. N. Suksdorf, 183, (P; syntype).
Ice Caves north of Trout Lake, 5.viii.1894, Frances E. Lloyd, (NY).
Grassy places - pine woods, Yakima Co., 'Big Muddy', 10.vi.1899,
J. B. Flett, 1022, (WTU).
W. Klickitat Co., on mountainside at Bingen, 23.v.1901, 8.vii.1903,
Wilhelm N. Suksdorf, 183, (NY).

C. subacaulis Hooker & Arn.California

- California, 1833, Douglas, (BM, K, NY; types of Conv. californicus).
Woods and pastures near Monterey, 1849, Hartweg, 1860, (K, NY).
Monterey, v.1850, C. C. Parry, ...Mexican Boundary Survey under
Maj. W. H. Emory ... (NY).
Santa Rosa Creek, 1.v.1853, Dr. J. M. Bigelow, Lieut. A.W. Whipple's
Exploration for a Railway Route ... (K, NY; as Con. californicus).
Mare Island, v.1874, E. L. Greene, (NY).

California, Arizona etc., 1876, E. Palmer, 417, (NY).
 San Mateo Co., iii.1877, Hy. Edwards, (NY).
 Marin Co., vii.1880, G. R. Vasey, (K).
 Oakland, 13.v.1882, Marcus E. Jones, 3254, (BM, NY).
 Islai Hill, open, grassy, En. suburb San Luis Obispo, 11.v.1887,
 Mrs. R. W. Summers, 601, (K, LIVU).
 Foothills near Stanford University, Santa Clara Co., frequent
 near summits of hills, 16.v.1902, C. F. Baker, 848, (K, NY).
 Crystal Springs Lake, San Mateo Co., vi.1903, A.D.E. Elmer, 4826,
 (NY).
 San Mateo Co., back of San Mateo on the Half Moon Bay road,
 23.v.1907, A.A. Heller, 8557, (NY).
 Santa Clara Co., foothills west of Los Gatos, 24.v.1907, A.A.Heller,
 8567, (NY).
 Cypress Pt., Monterey, 28.v.1912, Alice Eastwood, 78, (US).
 Presidio, San Francisco, 8.vi.1912, Alice Eastwood, 262, (NY).
 Mt. Diablo, Contra Costa Co., 30.v.1915, Alice Eastwood, 4441, (K).
 Monterey, Maj. Wm. Rich, (NY).
 California, Thomas Bridges, 147, (NY).

C. collina (Greene) Brummitt ined.

California

Knight Valley, Sonoma Co., iv.1877, Hy. Edwards, (NY; sub Con. villosus Kellogg var. nanus Kellogg).
 Mt. St. Helena, 1892, Edw. L. Greene, (NY; sub Con. villosus).
 Sonoma Co., v-vi.1893, F. T. Bioletti, (NY; sub Con. villosus).
 Knoxville, Napa Co., colonies occasional along rocky ridges,
 8.v.1903, C. F. Baker, 2968, (K, NY; as Con. collinus, det. E.L. Greene).
 Open chaparral slopes, loose gravelly soil, among shrubs of
Adenostoma fasciculata ..., Butt Canon, Lake Co., seven miles
 north of Aetna Springs, 30.iv.1939, Ethel Crum, 2085, (BM).

C. malacophylla (Greene) ined. subsp. malacophyllaCalifornia

- Astracadero Ranch, Santa Marguritta Valley, 30.iv.1861, W.H. Brewer, Geol. Survey of Calif., 491, (K; sub Con. californicus).
Sierra Co., 1874, J. G. Lemmon, 187, (NY).
Yuba R., Kellogg, comm. Gray vii.1874, (K; sub C. villosa Kell., type).
Upper Sacramento, 1877, J. D. Hooker & A. Gray, Haydn's Survey of U.S. Territories, (K).
Tuolumne, 1877, J. D. Hooker & A. Gray, Haydn's Survey of U.S. Territories, (K).
Monterey Co., vii.1880, G. R. Vasey, 433, (K).
Emigrant Gap, 28.vi.1882, Marcus E. Jones, 3299, (BM).
Sta. Margarita Valley, S.L.O. Co., near Ostrichton Bed? 23.iv.1886, Rev. R. W. Summers, (K).
On ledge of Ostraea titan fossils, Sta. Margarita Valley, S.L.O. Co., R. W. Summers, 602, (LIVU).
Mt. Diablo, 20.vi.1892, Edw. L. Greene, (K).
Lassens Peak, 6000 ft., 8.vii.1897, Marcus E. Jones, (BM).
Tassajara Hot Springs, Monterey Co., vi.1901, A.D.E. Elmer, 3177, (K).
Plumas Co., 10.vii.1901, Mrs. Austin, (K).
S. of Mt. Shasta, 8.vii.1905, Mr. Louis Krautter's California Collection, (K).
Sissin, Siskiyou Co., 8.vii.1905, Mr. Louis Krautter's California Collection, (BM).
Mt. Eddy, Siskiyou Co., 12.vii.1913, L. E. Smith, 479, (BM).
Woods, Cisco, Placer Co., 10.viii.1934, Fay A. MacFadden, 12834, (NY; topotype).
Siskiyou Co., occasional along the Pacific Highway near Black Butte, elev. 4000, 6.vii.1940, Wm. Bridge Cooke, 15098, (NY).

C. malacophylla subsp. ? pedicellata (Jepson) ined.California

- Idria, San Benito Co., 19.v.1928, Dr. Sprague, (NY).
North Fork Ventura River, Venturo Co., dry soil by road, alt. 750 m., 2.v.1935, I. W. Clokey & E. G. Anderson, 6884, (NY).
Santa Ynez Mts., Ojai to Cuyama Valley Road, no fork of Ventura River, 1 7/10 mi. above Wheelers Hot Springs, Wheeler Gorge

Camp, Ventura Co., alt. 1900 ft., Upper Sonoran - *Quercus agrifolia*, shale, 21.v.1935, Carl B. Wolf, ex herb. Rancho Santa Ana, 6893, (NY).

Serpentine outcrop with *Adenostoma*, *Arctostaphylos*, *Quercus durata* & *Yucca*, *Pinus sabiniana* belt, 3800 ft. alt., 1 mile south of Idria, San carlos Range, Inner South Coast Ranges, San Benito Co., 23.v.1938, L. Constance & J. L. Morrison, 2261, (K, NY).

Perennial along roadside, 6 miles north of Jolon, Monterey Co., 21.vi.1948, Philip A. Munz, 12301, (NY).

C. tuguriorum (G. Forster) J. D. Hooker

NEW ZEALAND

South Island

Otago. Stoneyhill Bush, Dunedin, 18.xii.1861, herb. Dr. Lauder Lindsay, (W).

Westland. Greymouth, R. Helm, (P; sub *Con. sepium* var.)

Canterbury. Prov. Canterbury, 1866, Dr. Julius Haast, 1866, (BR).
Prov. Canterbury, 1868, Jul. Haast, 260, (BR).

Near Seashore, Noob., East coast, Timaru, Dr. Haast, Ser. II, III, (W).

Scrambling over low bushes on warm sunny hillside, abt. 400',
Opihi Gorge, 18.xii.1934, A. W. Anderson, 79, (K, NY).

Canterbury, Lyall, in herb. Hooker, (K).

North Island

Wellington. Wellington, edge of bush, 2500 ft., 1908, H.H.Travers, (W).

Auckland. Ohampo, 1895, Dr. Hausler, (W).

Waihou, x.1917, H. B. Matthews, 1709, (MO).

Anawhata, W. of Auckland, xi.1950, J. H. Davis, (FLAS).

Auckland, F.T.C. (Cheeseman), (K).

Between Auckland & N. Plymouth, N.R. Bridges, (W).

Bay of Islands, herb. U.S. South Pacific Exploring Expedition under the command of Capt. Wilkes, U.S.N., 1838-42, (NY; sub *C. sepium*).

North Island, others. Tahake, prope Otaua, ins. boreal. xi.1874,
S. Berggren, (UPS).

Chatham Island

Chatham Island, R. Hawkins, (W; sub *C. sepium*).

Chatham Island, H. Travers, (W; sub *C. sepium*).

New Zealand, others.

The Forster Herbarium, presented by the Corporation of Liverpool, 1885, Habitat in N. Zealand, (K; as Convolvulus tuguriorum Forst.; type).

Nov. Zealand, 1856, J. D. Hooker, (BM, BR, K, W).

New Zealand, v.1890, Colenso, (K; sub Con. truncatella).

Neu-Seeland, 1891, (W).

Ruapaki, R. Helms, (MANCH).

Rame (?), herb. A. Gray, (NY; with C. soldanella, sub C. soldanella).

N. Zealand, Dr. Haast, Ser I, 331, (W).

New Zealand, Prof. Haast, (K).

N. Zealand, M. Deck (?), (MANCH).

N. Zealand, Dr. Logan, (K).

N.Z., Hawkins, (W).

JUAN FERNANDEZ

Masafuera, 1895, F. Johow, (UPS; sub C. hantelmannii).

Masafuera, Quebrada de las Casas, 28.viii.1908, M. Carl Skottsberg,

Expeditio suecica 1907-1909, 470, (UPS; sub C. hantelmannii).

Masafuera, Quebrada de las Casas, F. Johow, Expeditio Suecica 1907-1909, (UPS; sub C. hantelmannii).

Juan Fernandez, 18.ii.1917, Skottsberg, Svenska Pacific expeditionem (BM).

Masafuera, Quebr. de las Casas, canon vigy, 23.ii.1917, Carl & Inga Skottsberg, Svenska Pacificexpeditionen 1916-1917, 412, (UPS).

CHILE

Valdivia. Corral in prov. Valdivia, in arbores adscendens, Krause, (W; sub C. Hantelmannii).

Corral, (W; sub C. Hantelmannii).

C. macrostegia (Greene) Walters & WebbSanta Cruz Island

Island of Santa Cruz, vii-viii.1886, Edw. L. Greene, (BM, NY, PH).

Santa Cruz, ix.1894, F. Franceschi, (K).

Vicinity of Pelican Bay, 25.iv.1930, L. R. Abrams & I. L. Wiggins, 21, (NY).

Pelican Bay, rocky ridge, alt. 15 m, 23.v.1930, Ira W. Clokey, 5029 (K, NY).

Pelican Bay, openings on wooded hill side, alt. 50 m, 23.v.1930, Ira W. Clokey, 5030, (NY).

West Twin Canyon, climbing over brush on rocky bluff, alt. 40 m, 30.vi.1930, Ira W. Clokey, 5031, (K, NY).

Anacapa Island

Anacapa Isl., 12-15.v.1929, Lincoln Ellison, (K).

San Nicholas Island

San Nicholas, 1897, Blanche Trask, (K).

San Clemente Island

San Clemente Island, v.1903, Blanche Trask, 236, (NY).

Guadeloupe Island (MEXICO)

Guadeloupe Island, off Lower California, 1875, Edward Palmer, 80, (BM, K, NY; sub C. occidentalis).

Plantae Guadelupenses, Hieme 1892-93, Dr. F. Franceschi, (K, NY).

Cultivation

Hort. Kew, 11.vii.1899, Gumbleton, (K).

The following plants from Santa Catalina Island are discussed in text.

Santa Catalina Island

Avalon, iii.1898, Blanche Trask, (K, NY).

Santa Catalina Island, 1920, L. W. Nuttall, 2, (BM).

Descanso Canyon, north wall, roadside, Upper Sonoran Zone, alt. 40 m, 23.iii.1931, F. R. Fosberg, S4335, (NY; det. Conv. occidentalis var. cyclostegius, P. A. Munz).

Climbing over Eriogonum giganteum in the arroya, Avalon Canyon, 3.ii.1920, C. F. Millspaugh, 4657, (NY; sub Conv. sepium).

C. arida (Greene) Walters & Webb

subsp. arida

California

San Bernardino Co., vicinity of San Bernardino, 1000-1500 ft., 1.v.1896, S. B. Parish, 4153, (BM).

Dry banks with Salvia, Rhamnus, Rhus etc., E. Slope Indian Hill, N. of Claremont, Los Angeles Co., 1200 ft., 27.v.1952, E. K. Balls, 8683, (BM, W).

subsp. cyclostegia (House) Walters & Webb

California

- Open Coast Hills, S.L. Obispo County, 20.v.1887, R. W. Summers, 600, (LIVU).
 Santa Barbara, vi.1887, Mrs. R. F. Bingham, 307, (NY).
 Santa Barbara, Santa Barbara Co., v.1902, A. D. E. Elmer, 3765, (K, NY; paratype).
 Monterey Co., near Monterey on the Carmel road, 9.vi.1903, A. A. Heller, 6827, (NY; holotype).
 Santa Barbara Co., mountain drive, Santa Barbara, 21.viii.1904, LeRoy Abrams, 4158, (NY).
 Country adjacent to Santa Barbara, Ellwood, ix.1908, Alice Eastwood, 219, (NY).
 Ellwood, Santa Barbara Co., May 30, Alice Eastwood, (BM, K).
 Hillsides, Morro, San Luis Obispo Co., 9.iv.1926, Philip A. Munz, 10230, (NY).
 San Luis Obispo Co., dry rocky slopes, alt. 200 ft., Serano Canyon, 4 mi. NW. of San Luis, 7.v.1936, Lewis S. Rose, 36237, (W).
 Morro Rock, Morro Bay, San Luis Obispo Co., 6.v.1938, G. B. & R. P. Rossbach, 795, (WTU).
 Ventura River Basin, roadside near mouth of Ventura River, Ventura Co., 22.ix.1945, Henry M. Pollard, (NY).
 Carmel Highlands, above Yankee Pt., Monterey Co., 400 ft., open hills, and in Pine Forest on decomposed Granite formation ... 21.iii.1948, E. K. Balls, 7875, (W).
 Monterey Co., alongside State Highway 1, 14.v.1950, Dick Snow, 1-2, (W).
 Open areas, Coastal Sage Scrub, Canada Hondo, along road leading south from surf, Santa Barbara Co., alt. 15 ft., 26.iv.1951, E. K. & B. K. Balls, 16342, (NY).
 Monterey, Carmel Highlands above Yankee Pt., c.600 ft., 5.iv.1952, E. K. Balls, 8438, (BM, W).
 More or less disturbed slope in Chaparral Community, south base of San Marcos Pass, about 7 mi. below summit, Santa Barbara Co., 850 ft., 19.v.1954, Philip A. Munz, 19430, (NY).
 Montecito, thickets, herb. C. P. Bingham, (NY).

subsp. longiloba (Greene) Brummitt, ined., sensu lato

California

- San Diego, v.1852, Geo. Thurber, S43, (NY).
 San Bernardino, v.1880, G. R. Vasey, (K).
 California, 1886, R. D., herb. Walter A. Pearce, (BM).

- Dry soil in Elsinore, 4.iv.1892, A. J. McClatchie, (NY).
 Dry mesa, San Diego, 29.i.1894, H. A. Sheldon, (NY).
 San Martin Island, iii-vi.1897, A. W. Anthony, 206, (K).
 San Diego Co., Oceanside, 0-50 ft., 11-16.vi.1897, S. B. Parish,
 4447, (BM).
 Los Angeles Co., Inglewood, on La Lijera Hills, 8.iii.1903, LeRoy
 Abrams, 3106, (BM, K, NY).
 San Diego, vi.1906, T. S. Brandege, (NY).
 On relict shrubs, old clearing, La Jolla, 2.iii.1914, F.E. & E.S.
 Clements, (NY).
 Griffith Park, Los Angeles, 23.ii.1920, Edwin B. Bartram, 600, (PH).
 San Onofre, San Diego Co., 17.iii.1939, W. C. Muenscher & M. W.
 Muenscher, 14656, (MO, NY, sub. Conv. sepium).
 Los Angeles, M. Winter, (W).

subsp. tenuifolia (Abrams) Brummitt ined.

California

- Point Loma, San Diego Co., 6.iv.1913, Alice Eastwood, 2556, (NY;
 sub Conv. occidentalis).
 Torrey Pines, near San Diego, 8.vii.1915, G. N. Collins & J. H.
 Kempton, 213, (US; sub Conv. occidentalis tenuissimus).
 In Canyons, San Diego, alt. 200 ft., 3.viii.1918, Mary F. Spencer,
 1027, (NY; sub Conv. occidentalis var. tenuissimus).

C. macounii (Greene) Brummitt, ined.CANADAManitoba

- Fort bas Garry, 11.vi.1857, Bouraeau (P; sub C. sepium).
- Winnipeg, Riviere rouge, vii.1859, E. Bourgeau, Pallisers Brit. N.Am.Expl.Exp. (P; sub C. sepium).
- Lake Winnipeg Valley, 1875, Bourgeau, (E, TCD; sub C. sepium).
- Portage La Prairie, vii.1891, Rev. J. K. McMorine (QUK; sub Con. sepium).
- 6 miles east of Forest, collected along the line of the Grand Trunk Pacific Railway by John Macoun and William Herriot, 19.vi.1906, Herb. Geol. Survey of Canada, 74424, (F; sub Con. spithamaeus).
- Plants of Manitoba, vii.1940, H. E. Wood, (DAO; sub Con. sepium).
- Five miles south of St. Jean Baptiste, abundant along field margins, plants low growing in grass, 4.vii.1950, W. G. Dore & D. R. Lindsay, 11296, (DAO, MO; sub Con. sepium).
- Otterburne, Districte de Prosencher, bord du chemin, 5.vii.1954, J. P. Bernard, 36, (DAO).

Saskatchewan

- Red Deer River, N.W.T., 20.viii.1879, John Macoun, Geol. & Nat. Hist. Survey, 1598, (BM).
- Moose Jaw, N.W.T., thickets along streams, 29.vii.1880, John Macoun, Geol. & Nat. Hist. Survey, (E; sub Con. sepium).
- Lake bank, Wascana Lake, Regina, vi.1941, L.T. Carmichael, (DAO).
- Wascana Lake shore, Regina, 4.vii.1947, L.T. Carmichael, 219, (DAO).
- Maple Creek District, Val Marie, roadside ditch near the river, 19.vii.1950, R. C. Russell, S.5065, (DAO; sub Con. sepium var. fraterniflorus).
- Valor, naturally regrassed ditch and grade of Hwy.13, 22.vii.1954, S. Zilke, 168, (DAO; sub Con. sepium var. pubescens).
- Assiniboia, SE 26-7-30W2, cultivated fields, 15.viii.1954, S. Zilke, 221, (DAO; sub Con. sepium var. pubescens).

Alberta

- Dry gravelly hillsides, Milk River Ridge, N.W.T., 28.vi.1883, Dawson, Geol. & Nat. Hist. Survey, 1597, (BM).
- Piegan Reservation, vii.1894, Prof. Shortt, (QUK; sub Con. sepium var. americanus).
- Assiniboia, Milk River, 7.vii.1895, John Macoun, 11883, (BM; sub Con. spithamaeus; isotype).

Gravelly bank, near meadow marshes, Rosebud Creek Valley,
Vicinity of Rosedale, alt. 2200-2500 ft., 23.vi.1915, Marion
E. Moodie, 1025, (F, GH, MO, NY, US; sub Con. sepium).
Roadside, between Brockett and Macleod, 22.vi.1940, E. H. Moss,
879, (DAO; sub Con. sepium).

Canada, others.

Lake Region and Ontario, 20.vi.1876, Prof. Macoun, 1407, (QUK).

UNITED STATES OF AMERICA

Minnesota

Moist meadow 2 miles west of Granite Falls, Yellow Medicine Co.,
20.vi.1940, J.W. Moore, (NY).
Roadside ditch, SE $\frac{1}{4}$ section 32, Champion Twp., Wilkin Co.,
10.vi.1941, J.W. Moore & E.P. Thatcher, (GH).

North Dakota

Ashley, 1889, H.F. Burgess, (GH; sub Con. sepium).
Near Grand Forks, 1894, M.A. Brannon, 183, (F; sub Con. sepium).
Benson Co., Leeds, 1.vii.1904, J. Lunell, (NY; sub Con. repens).
Benson Co., Leeds, 27.viii.1909, J. Lunell, (BM).
Along railroad embankment, Pembina, 11.vii.1912, H.P. Bergman,
2124, (NY; sub Con. repens),
Leeds, 16.vii.1912, J. Lunell, (NY).
Fargo, field, 23.vi.1935, O.A. Stevens, (F, NY; sub Con. sepium
var. pubescens).
Fargo, field, 19.vii.1950, O.A. Stevens, (US; sub Con. sepium).
Fargo, idle field, 9.vi.1951, O.A. Stevens, 1267, (US; sub Con.
sepium).
Fargo, idle field, 12.vii.1951, O.A. Stevens, 1262, (DAO, US;
sub Con. sepium).

South Dakota

R.r track, Brookings, 20.vi.1891, herb. F. K. Luke, (MO; sub
Ipomaea purpurea, det. Con. sepium var. repens).
Thickets, Vermillion, Clay Co., 22.v.1911, S.S. Visher, 4062, (MO;
sub Con. sepium).
Woods & thickets, Vermillion, Clay. Co., 10.vi.1911, S.S. Visher,
4062, (F; sub Con. sepium).
Meadows, Vermillion, 16.vi.1915, W.H. Over, 4030, (US; sub Con.
sepium).

Wyoming

4 m. below U.L. Ranch, 8.vii.1896, F.H. Knowlton, 150, (US; sub Con. sepium).

Idaho

Malade Valley, 1872, J. M. Coulter, herb. Thos. C. Porter, (PH; sub C. sepium).

Nebraska

Sandy bank of Missouri from Fort Pierre to Yellowstone, 1853-4, F. V. Hayden, (MO; sub C. sepium var. pubescens).

Hastings, v.1886, D. C. Montgomery, (F; sub Con. sepium).

Dry ground, Lincoln, 1888, T. A. Williams, (US; sub Con. sepium var. repens).

Ponca, 16.vi.1893, Fred Clements, 2565, (GH, US; sub Con. sepium).

Franklin, 1893, W.A. Laybourne, (MO).

Lincoln, 10.vii.1894, M.P.S., in herb. T.C. Porter, (PH; sub Con. sepium and Con. spithameus; det sep. stans ETW).

Lincoln, 12.vii.1894, E. H. Seal, in herb. T.C. Porter, (PH; sub Con. sepium).

Lincoln, embankments, 30.v.1895, Wilmer Hill, (NY).

Semi-ruderal formations, thickets etc., Nuckolls Co., 14.vii.1899, Geo. G. Hedgcock, (MO; sub Con. repens).

Kearney, vii.1899, Jesse H. Holmes, 27135, (FLAS; sub Con. sepium).

Near Fremont, alt. 300 m., 5.vi.1901, D. T. MacDougal, (NY; sub Con. repens).

Tekamah, 16.vi.1921, H. S. Conard, (W; sub Con. sepium).

North Platte, 10.vii.1935, C. L. Porter, 2057, (GH; sub Con. sepium).

Minden, 29.v.1936, Dr. Hapeman, (DAO).

Kansas

Emporia, 16.v.1890, E. E. Tyler, (MO; sub Con. sepium).

Ft. Riley, v.1893, E.E. Gayle, 630, (NY; sub Con. sepium).

Fields, Riley Co., 20.vi.1895, J.B. Norton, 354, (MO, NY; sub Con. sepium repens).

Baldwin, 29.v.1913, herb. Rufus Crane, 1387, (NY).

Vicinity of Arkansas City, 8-10 miles north-east of town, 3.vii.1929, P.A. Rydberg & Ralph Imler, 525, (NY).

1 mi. S. Baldwin, alt. 840', sandy loam, hedgerow, 2.viii.1941, R. L. McGregor, E401, (L; sub Con. sepium).

1½ miles N. Welda, Anderson Co., dry roadside bank, clay soil, 2.vi.1950, R. L. McGregor, 4270, (GH, US; sub Con. sepium).

Meade Co., 11 m E and 18 S of Meade, 14.vi.1951, W.H. Horr & McGregor, 3862, (GH; sub Con. sepium var. malacophyllus Fern.)

Roadside, 3 miles north of Garnett, Anderson Co., 12.v.1955, Duane Isely, 6374, (US; sub Con. sepium).

T23S, R15E, E. cont. part sec. 34, Woodson Co., in a prairie

pasture gulch, 26.v.1955, E. W. Lathrop, 373, (US; sub Con. sepium).

T24S, R14E, SW $\frac{1}{4}$, sec. 21, Woodson Co., prairie pasture, limestone rocks scattered over surface, 2.vi.1955, E. W. Lathrop, 503, (US; sub Con. sepium).

Butler Co., herb. G. C. Broadhead, (MO; sub Con. sepium).

Missouri

Sheffield, fields, 6.vi.1904, B. F. Bush, 1998, (MO, PH; sub Con. repens).

Oklahoma

Collected by Dr. Edward Palmer in the Indian Territory, chiefly on the False Washita, between Fort Cobb and Fort Arbuckle, 1868, 200, (NY, US; sub Con. sepium).

Stillwater, 6.ix.1893, F. A. Waugh, (MO; sub Con. repens).

Catoosa, Indian Territory, 9.v.1895, B.F. Bush, 1078, (MO, NY; sub Con. repens).

Huntsville, Kingfisher Co., 13.v.1896, Laura A. Blankinship, (MO, US; sub Con. sepium var. repens).

Woodward Co., prairies n. Woodward, 5.vi.1901. H. Eggert, (MO).

Side of r.r. embankment near Avard, Woods Co., 23.v.1913, G. W. Stevens, 560, (K, MO, NY, US; sub Con. sepium).

8 miles North of Norman, growing by the road side, Cleveland Co., 5.vii.1939, N. Warner, (MO, NY, sub Con. sepium).

Colorado

'How-to-do Wano' Cornfield, S.W. Colorado, viii.1875, T.S. Brandegee, 1188, Hayden's U.S. Geol. Survey, 5814, (MO; sub C. sepium).

Along the Platte River, Denver, 12.vi.1878, Marcus E. Jones, A.M., 216, (BM, BR, GB, MANCH, MO; sub C. sepium).

Cheyenne Canon, 11.vii.1883, Paul Blatchford, (F; sub Con. sepium).

Fort Collins, 5000 ft., 23.vi.1893, J.H. Cowen, (NY; sub Con. sepium).

Fort Collins, river flats, east, 12.vi.1896, J.H. Cowen & Crandall, 1623, (NY; sub Con. sepium).

Ft. Collins, 19.vii.1896, C. S. Crandall, (NY; sub Con. repens).

Fort Collins, 19.vi.1896, C. S. Crandall, 1625 (F).

E. Col., W. J. Laybourn, (MO).

Utah

Dry Lake, Cache Co., 7.viii.1933, A.O. Garrett, 6473, (L; sub Con. sepium).

New Mexico

Zuni, 6500 ft., vii.1874, J.T. Rothwick, Expl. Survey west of 100th Meridian, 162, (F; sub Con. sepium var. repens).

Arizona

- Flagstaff, 17.vi.1887, Dr. Edgar A. Mearns, (NY; sub Con. sepium).
 Fug. along ditches, 3 E. Flagstaff, 6900 ft., 18.viii.1923, Herbert
 C. Hanson & Edna Ege Hanson, A841, (MO; sub Con. sepium).
 Lakeside, White Mts., 10.vi.1928, G.J. Harrison, 5506, (US; sub
Con. sepium).

Indiana

- On ballast, Miller's, 19.vi.1897, L.M. Umbach, (F; sub Con.
spithamaeus).

United States, others.

- Stevens P.R.R. Exp. (NY; sub C. sepium var. repens?).
 ... Missouri oberhalb James River, Geiss (?), (W; sub Ipomaea).
 Plains of Red River, 1827, D. Douglas, (BM).

C.spithamaea (L) Pursh.

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A selection of specimens seen of this species are cited below.

subsp. spithamaea.

CANADA

Ontario

Dry sandy soil, Dept. of Lands and Forests Nursery, 6 miles W of Fort William, $\frac{1}{2}$ mile S of Highway 17, Paipoonge. Twp, 11.vii.1950 G.E. Garton, 1179 (US).

UNITED STATES OF AMERICA

Maine

Cumberland Co, sandy clearings, Standish, 28.viii.1916, M.L. Fernald & Bayard Long, 14413 (PH).

York Co, Valley of the Saco River, dry thicket by small pond, west of Sand Pond, Limington, 29.viii.1916, M.L. Fernald, Bayard Long & A.H. Norton (PH).

Waterville, vii. 1866, W.W. Bailey, (NY).

New Hampshire.

Meadow 2 mi. w. of Contoocook, Merrimack Co, 4.vii.1928. herb Charles Eliot Underdown (PH).

Vermont.

Colchester, 17.vi.1897. W.W. Eggleston & L.R. Jones (US) Burlington, Fort Ethan Allen, 8.vi.1903. W.W. Eggleston, 3294 (NY).

Massachusetts.

Sandy plains, Westfield, 16.vi.1934, F.H. Sargent (US).
East Hampton, 1867 E.S. Miller (F).
Mare 1856, J. Blake (MO).

Connecticut.

Middletown, vi.1834, S.R.R. (MO).
Dry hills, frequent, Southington, 14.vi.1897, C.H. Bissell (MO).

New York.

Pleasant Lake, Schroepfel township, Oswego Co, 27.vi.1916, H.D. House (NY).

Ashland, Chemung Co, 17.vi.1879. T.F. Lucy (MO).
Dry rocky field, Port Jervis, 4.vii.1909. Kenneth K. Mackenzie, 4171 (NY).

Large colony on sandy hill in a swamp under Poplars, Norfolk, 20.vii.1915. Orra Parker Phelps (NY).

Pennsylvania.

Chestnut Hill, Easton, 12.vi.1893. Thos C. Porter (NY).
Indiana Co, shaly road cut $1\frac{3}{4}$ miles south east of Pikes Peak, 11.vi.1948. Edgar T. Whery (fH).

Dillerville Swamp, 1 mile w. of Lancaster, 35.v.1889, John K. Small⁶⁵⁷
(MO).

Pittsburgh, Allegheny Co, 15.vi.1902. herb. Otto Hatry (PH).

Maryland.

In dry thicket (alt. 2500 ft.) Deer Park Co, 23.vi.1931.

Prof. E.L. Core. herb. Moldenke 6865 (NY).

In field, Snow Hill, Worcester Co, 10.vii.1925.

Dr. G.M. Bandegrift, herb. Moldenke 2560 (NY).

Oakland, 27.vi. 1920. G. Eifrig.

Delaware.

Near Centreville, 6.v.1870, A. Commons (NY; sub Conv. repens).

District of Columbia.

In thickets, Brooklands, 29.v.1897. Th. Holme (MO).

In vicinis Washington, D.C. 1873. J.W. Chickering, Jr. (MO)

Virginia.

Roanoake Co, Shaly roadside bank of entrance to Bennett Springs,
about 3 miles north of Hanging Rock, 6.vi.1946.

Carroll e. Wood, Jr. 5901. (US).

Lynchburg, 15 v.1927, W.A. Murrill, (FLAS).

Glasgow, Rockbridge Co, i.vi.1891. J.R. Churchill (MO).

North Carolina.

Spray, de Chalmet (US).

Oldfield, Iredell Co, 19.v.1902. Biltmore herbarium, 316 b (US).

Tennessee.

Cedar glade, near Mascot, Knox Co, 17.v.1936. J.K. Underwood (TENN).

Open grounds, Lake Olossee, near K.T. vi. 1897. a. Ruth (NY).

Knox Co, west of Knoxville eight miles 21.v.1960. Donald Thomas
Chunn, 6993. (TENN).

Kentucky.

Frequent on poorer soils throughout Ky¹ C.W. Short (PH).

Mudlick, Bath Co, herb; C.W. Short (PH).

Common on dry ~~xxx~~ soil in a gullied paster field, 1 $\frac{1}{2}$ mi. s. of
London, Laurel Co, 9.vi.1940 F.T. McFarland, H.T. Shacklette,
Wilbur C. Duncan & W.C. Templeton, Flora of Kentucky, First
Century 32. (MO, NY, PH, TENN).

Ohio.

Minerall Springs, Adams Co, grassy clearing and thickets,
29.v. 1927 E. Lucy Braun (MO).

Highland Co, Marshall Township, vii.1926. Katie M. Roads.(US)

Michigan.

Dry open woods, Jackson Co., 22.vi.1922. herb. S.H. & D.R. Camp (F,US).

Harrison, 1.vii.1935. Mrs Ed. Williams, (FLAS).

Near Ishpeming, 15.vii.1883. N.L. Britton (PH).

Schoolcraft. railroad banks, 6.vi.1903. A.B. Burgess. 60 (F).

Indiana.

Steuben Co, dry wooded bank on the north side of Crooked Lake, 14.vi.1916. Chas. C. Dean, 20215 (NY).

La Fayette, sandy places, vi.1877. A.H. Young (MO).

Wells Co, Jackson tp., on dry banks on east side of lakes, 28.v.1899, Chas. C. Deam (US).

Illinois.

Wooded hills, west of Bartinville, 27.v.1932. Virginius H.Chase, 3909 (MO).

Apple River Canyon State Park, Jo Daviess Co, 17.vi.1943.

George Neville Jones, 15803. (MO).

Hinsdale 1872. H.H. Babcock (F).

Dry upland wooded slopes bordering ravine between S. of Brookside and Eton Drives, Biltmore Estates, 5 miN of Barrington, Lake G. 23.vi.1946, Julian A. Steyermark, 63775. (F).

Missouri.

Dumas rocky banks, 7.vii.1909, B.F. Bush, 5891 (NY).

Texas Co, Rocky cherty limestone glade on top of north facing wooded limestone exposures along North Prong of Jacks Fork 728N, R8W, sect 10 and 11. 4 mi. north of Clear Springs, 11.viii.1951, Julian A. Steyermark, 72383 (F).

Putnam Co, upland, prairie-like openings by old cemetery, north facing wooded slopes and ravines along Blackbird Creek, T.65. N. R17W, sect. 27 and east border of sect. 28, 1½ mi. west southwest of Martinstown, 14.vi.1952. Julian A. Steyermark, 73595 (F).

Iowa.

Upland woods north of homestead, Iowa Co., 26.vi.1907. B. Shimck (US).

Dry woods, Decorah, 15.vi.1884. herb. E.W.D. Holway (US).

Dry open woods, Clark Co, vi.1854. C. Mohr (US).

Wisconsin.

Delavan, viii.1867. Mrs J.M. Milligan (US).

Milwaukee, I.A. Lapham. (US).

Preble, Brown Co., 16.vi.1886. J.H. Shuette (F).

Cornfield, cote Brilliante, Green Lake, Thos Baßsler (PH).

Minnesota.

Winona, vi. 1888, J.M. Holzinger, 2173. (F).

var. stansCANADAQuebec

Vallee de l'Ottawa, Les Forges, pres des Trois Rivieres sur les alluvions sablonneuses, avec Aster linariifolius, 15.viii.1924. F.M. Victorin, (MO,PH).

Ontario

2 km. S.W. of Morton on Highway 15, edge of pine plantation, 13.vi. 1960, R.E. Beschel (QUK).

Sandy woodland, Constance Bay, Cltn. Co., 16.vii.1938, H.A. Senn, 701 (NY).

Bruse Peninsula, Jack Pine Wood, Tobermory, 24.vi.1934. P.V. Krotkov. 9340 (NY).

Dry sandy soil, Nipigon River district, vii.1884. J. Macoun, (E).

Tilsonburg, 25.vi.1901. John Macoun 54,367 (NY).

UNITED STATESMinnesota

Nichols Aitkin Co, v. 1892. E.P. Sheldon, (NY).

Itasca Co, i. sandy soil $6\frac{1}{2}$ mi. east of Big Fork, 14.vi.1949. John W. Moore, 20135. (NY, US).

Sandy roadside in Jack Pine forest about 6 mi. s. of Gilbert, St. Louis Co, 11.vi.1939, Olga Lakela, 2953. (NY).

Wisconsin.

Sandy soil on jack pine west of Sakon, Iron Co, 26.vi.1950, Charles D. Richards, 3279, (NY).

Washburn Co, sandy fallow field, abundant, Minong, 21.vi.1929, N.C. Facett. 8534 (F).

Fort Howard, near Beaverdam, Brown Co, 7.vii.1892. J.H. Shuette (F). Solon Springs, 30.vi.1915. Witmer Stone (PH).

Michigan.

Porcupine Mountains, 1265 feet above lake L. Superior, 18.vi.1968 Henry Gillman (NY).

Keweenaw Co, bare gravelly summit of West Bluff, 3.5 miles W. Copper Harbour, 14.vii.1936. F.J. Hermann, 8001. (NY).

Cheboygan Co, herb. in pineland aspens, Smith's Bog, vicinity of University of Michigan Biological Station at Douglas Lake, vi-viii.1917. F.C. & M.T. Gates, 10484 (F,MO).

Sandy soil, pine barrens, Manistee, 9.viii.1882. Morong (NY).

New York.

Tioga Co, slide bank, Erie, R.R. Waverley, 1889. C.F. Millspaugh (FO). Chemung Co, dry field overlying broken shale, Maby Hill, Town of Horseheads, 4.viii.1941, Stanley J. Smith, 2021. (PH).

Pennsylvania.

Mifflin Co, vii.1868. J.T. Rothrock. (F).
 Towarda, 14.vi.1897. S. Brown (PH).

Maryland.

1 mile north of Flintstone, on ledge of calcareous shale in
 neutral soil, 30.v.1928. Edgar T. Wherry (NY).

West Virginia.

Dry ridges near White Sulphur Springs, 27.viii.1903, K.K. Mackenzia,
 362 (NY).

Kates Mountain, Greenbrier Co., 10.vi.1931. E.L. Core. 2707. (NY).

Frenchburg, 25.viii.1933. E.J. Alexander, J.H. Everett,
 S.O. Pearson, Southern Appalachian Expedition (NY).

Largent, 1.vi.1938 Donald Samson, 240.(NY).

Steep slope, Smoke Hole, Pendleton Co, 18.vii.1941. A.J. Sharp,
 6993. (TENN).

Virginia.

Allegheny Sta., C & O. R.R. 19.vi.1895. N.M. Glatfeiter (MO).

Peaks of Otter, 7.vi. 1890. Hon. A. Brown, Thos Hogg.

~~At~~ Anna Murray Vail, Millie Timmermann & Dr. & Mrs N.L.
 Britton (NY).

Alleghany Mountains, Bull Pasture Mountain, Shenandoah Mountains,
 2500-3000 ft., 13.vi.1925, P.A. Ryddberg, 9008 (NY).

On shales, upon where very abundant, south end of Short Mt.

Shenandoah Co, Massanutten Mountains, 6.vi.1941. H.A. Allard,
 8794 (NY).

Virginia Blue Ridge, Botetourt Co, along Jennings Creek, shaly
 bank near Middle Creek, 20.v.1957. Ruskin S. Freer, 2486. (US).

sub.sp. catesbeina. Pursh) Brummitt, ined.

Virginia.

South Fork of the Holston River Valley, Smith Co, ~~South~~
 Comers Creek, 2,200 ft., 15.vi.1892. N.L. & Elizabeth G. Britton
 & Anna M. Vail (F,MO,NY,PH); sub Conv. repens.)

Kentucky.

Lexington, 1831, Dr. Short. (NY; sub. conv. tomentosus)
 Mammoth Cave National Park; sloans Crossing Road bear Hwy 70,
 Dry sunny roadside, Henry W. Lix. 635 (US; sub conv. sepium f.
malacophyllus).

Tennessee.

Dickson Co., slope of wooded ravine between Bog Barton Creek & Hickman Co, 20.iv.1949, A.J. Sharp, B. Adams, C.J. Felis, 10014 (TENN)
Rocky woods, Lookout Mtn. near Chaltanooga, 18.v.1911. J.R.Churchill, (MO, TENN).

Blount Co, Little River George, roadside bluff below Meigs Creek
1.v.1960 A.J. Sharp, 26809 (TENN).

Anderson Co, Dairy farm woods, Norris, 23.v.1937. W.D. Varnell (TENN).

Bledsoe Co, at foot of Walden Ridge on roadside slope, East of Pikeville, 2.v.1948. A.J. Sharp, 7025. (TENN).

North Carolina.

Irdell Co, edge of cultivated field, 5 miles west of Mooresville, on N.C. 150, then 0.8 mile south, 18.v.1958. Harry E. Ahles & R. Britt. 41072 (NY).

Watauga River, between Shulls Mill and Grandfather Mountain, 16-17.vi. 1891, J.K. Small and A A.Heller (F; sub Conv. repens).

South Carolina.

Batesburg, 18.iv.1911. E.A. McGregor, 603 (US).

Dry fields near Clemson College, Oconee Co, 13.v.1906.
H.D. House, 2135 (NY; sub Conv. repens).

In fruticetis at Broad River, vi; 1941, Rugel (LIVU; sub Conv. repens).

Georgia.

Bartow Co, on pine oak-hickory wooded hillside along McKaskey Creek about 3/4 miles from Junction with Stamp Creek, elevation about 750 ft. i.v.1948. Wilbur H. Duncan. 8193. (MO).

Atlanta, v.1869 Wm. M. Canby, (NY,US).

Stone Mountain, de Kalb, 17.v.1899. H. Eggert (MO).

Early Co, field and roadside 3 miles east of Hilton, 2.v.1947.

Robert F. Thorne, 3482 (US; Sub Conv.Sepium, var pubescens).

Alabama.

Auburn, Lee Co, 17.iv.1897. F.S. Earl, & C.F. Baker (F,MO,NY; Sub. Conv.repens).

De Kalb Co, growing on a dry roadside bank on the west slope of Lookout Mountain, County Rtc. 81.ca. 1 mile from the main street of Fort Payne, 9.v.1959. Giles Carter, 25827a (TENN).

Tuscaloosa 24.iv.1874. E.A. Smith (US).

Damp copses Thomasville, 24.iv.1888, C.Mohr. (US).

Mississippi.

Northern Miss. 1863. Dr. J.T. Stewart (F).

Mississippi, 1858, E. Hilynd, (?) (MO).

Florida.

Florida, Dr. Bhapman, 186. (NY; sub Conv.repens).

long plants

U.S.S.R.

Dahurica, 1830, Turczaninow (K; as Con subvolubilis Led)
In montosis Dahuriae, 1831, Turczaninow (H; sub. Con. sepium
var. flore roseo T., Con. subvolubilis ?).
Sibiria (translit). Nashchgata, Kora, Torbucha (?) 1851,
Leuchten (M).
Ad.fl. Argun, Turczaninoff (UPS; det. C.sepium var elongata
Herder; C. dahurica Hallier; C. subvolubilis Koidzumi).
Nertschinsk, Sensinoff, ex herb. hort. Petrop. 1873. (C.FI.W
(in part); det C.sepium var elongata Herder).

short plants

U.S.S.R.

Nertschinsk, auf Weiden, Brachfelden und an Wegrandern, 1889,
F.Karo, Plantae, Dahurica 2D (BM,LD π MANCH,W).
Nerczynsk, Saat und Brahfelder, 1891, F.Karo, Plantae Dahuricae,
212 (E,H,K. MANCH).
Nertschinsk, Sensinoff (P,W (in part); det. C.sepium var.
elongata Herder.)

Loans of specimens from other herbaria have not always included C. soldanella. Specimens cited below include all specimens of this species which have been loaned and a selection of those others which have been seen in other herbaria. Descriptions and graphs are based only on specimens cited.

DENMARK.

Jylland.

Dist. c 6. Hansted på insidan av dynerna, s. om hamnen.
24.vii.1952. The Svedberg (UPS).

NETHERLANDS.

In dunis prope Leyden, vi.1834. W.H. (?). (LIVU).
In dunis Schourven (Zeeland), vii.1944, v.d. Bosch. (LIVU).

GREAT BRITAIN.

Channel Islands.

Jersey, viii.1872. Miss Jones, (L.T.R.)
Herm. Guernsey, Jersey, vii. 1890. C.T. Green, (LIV).
Channel Islands, i895, A.G.Gregor (K).
St. Aubin's, Jersey, 23 v. 1896, herb L.V. Lester-Garland (K).
St. Owens Bay, West Jersey, on old sand dunes, 15.vii.1929. W.B. Turrill (K).
Channel Islands, H. Doubleday, (F).

ENGLAND AND WALES.

1. West Cornwall

West of Cornwall, 1833, H.W. Hockin (CGE).
Hayle Ferry, 1912, E. Thurston (K)
Loe Pool Bar, 18 vi. 1917, E. Thurston and J. Hutchinson, (K).
Whitesand Bay, Sennen, on old sand dune area, 20. vii. 1932. W.B. Turrill, 2542 (K).
Nr. Lizard, 12. vii. 1948, J.E. Hibbard (LTR).
Predannock Airfield, the Lizard Peninsula, 10/6815, 20.vi. 1957, G. Halliday, 30/57 (CGE).
Carbis Bay, nr. St.Ives. Mrs L.M. Walker (CGE)

2. East Cornwall.

Holywell Bay, viii, 1869. O. Oliver (K).
Bude, 31 vii. 1895. W.M.S. (K).
Bude, 23 vii. 1925. E. Thurston (K)
Bude sandhills 28. vii. 1925, E. Thurston (K).
ParSands. 9. vii. 1931, L.T. Medlin. (K).

3. South Devon.

Sands at Avon mouth. 29. vi. 1894. E.S.M. Marshall (CGE)
Sandy seashore, Seaton, 13 vii. 1901. H.H. Haines (LTR).
Slapton Sands, start Bay on shingle, 19 vi. 1953.
W. B. Turrill, 32/53, (K).

4. North Devon.

Braunton Burrows, calcareous sand, vii. 1849. George Maw (K).

6. North Somerset.
 Uphill, vi.1842, G.H.K. Thwaites (CGE).
 Sea shore, Weston S/Mare, 27. vi. 1902. S.H. Eicklam (CGE.LTR)
 Burnham. 6.vi. 1923. H.J.J.F. Gibbons (LTR).
 Burnham on Sea, sand dunes, 31.vii.1937. F.H. Makins, 1418 (K).
9. Dorset.
 Chesil Beach, Weymouth, 7.vii.1832. Dr, Percy (K).
 Isle of Portland, 8.vii.1832. J.S. Henslow (CGE).
 Portland, 30 vi.1884, E.S.M. (Marshall)(CGE).
 Chesil Beach, Portland Sand, on shingle, 19. vi. 1953.
 W.B. Turrill. 32/53 (K).
 Between Portland and the Ferry, R.A. Rolfe (K).
10. Isle of Wight.
 Nr. Yarmouth, vii.1838, herb. Miss L. Waddington (CGE).
 St. Helens spit, 23. vi. 1900. A.B. Jackson (K).
11. South Hampshire.
 Muddyford, Bournemouth, 22 vii. 1890. C.B. Clarke, 47362A (K).
 Nr. Hudeford, 19 viii. 1901. E.F. Linton (LIVU).
 Hurst Castle, Shinge beach, 5. vii.1927, W.B. Turrill (K).
 Beach, Hurst Castle, Milford, vii. 1927, R. Milford. (K).
13. West Sussex.
 Near Littlehampton, 31.v.1892. E.S.M. (Marshall) Ltd (GCE)
 Climbing Sands, 22.vi.1913. C.E.Britton, 1030. (K).
 Littlehampton Harbour. vi.1939. hb. J. Johnstone (LTR)
 West Wittering, 8.viii.1949. mobile dunes. A.P. Conolly (LTR).
15. East Kent.
 Near Deal, 13.vi.1888, E.S.M. (Marshall)(CGE).
 Pegwell Bay, 19. vii.1906. G. Foord-Kelsey (LTR).
18. South Essex.
 Southend, vi.1833, J.O. Henslow (CGE).
 Southend, 21.vi.1835. herb. Babington (CGE).
 Seashore between Southend Land. Shoebury, vii. 1854.
 Ino. D. Salmon. (LIVU).
19. North Essex.
 Sea beach, St. Osyth's, vi.1882. J.D. Gray (CGE)
 Clacton-on-Sea, 2.vii. 1885. E.S.M. (Marshall) (CGE)
 Near Harwich, on single sand hill just above high water,
 Crabknowe Spit, 3.viii. 1957. R.K. Brummitt, (LIVU).
25. East Suffolk.
 Lowestoft to Yarmouth, viii.1840. herb. Sir C.J.F. Bunbury (CGE)
 Aldboro' vii 1863, herb. Sir C.J.F. Bunbury (CGE)
 Corton, Lowestoft, 8.ix.1886. Arthur Shrubbs. (CGE).
27. East Norfolk.
 Dunes at Yarmouth, 1802. (K).
 Yarmouth beach, 7.viii.1832. Jermyn. (CGE).
 Yarmouth dunes, 1835, R.J. Mann (K).
 Spit at Norton by Yarmouth, 28.vi. 1846, herb. Bromfield (K)
 Yarmouth Beach, 1861. herb. B.T. Lowne (K).

Yarmouth, 1884. (K).

Caister by Yarmouth, 29.vii.1886. E.F. Linton, (UPS).

Blakeney, vii. 1912. A.D. Cotton, (K).

Dunes, Woxham, 17. viii.1951, T.G. Tutin. (LTR).

Dunes among *Arrhenatherum*, 644326, Woxham, 18.viii.1951
T.G. Tutin (LTR).

28. West Norfolk.

Hunstanton, 7.vii.1868. herb. c.c. Babington (CGE).

Hunstanton, vii. 1880. (LTR).

Hunstanton, 14.viii.1885. J.E. Little (CGE)

Hunstanton, beach towards Beacham, vii.1889. J.E. Little (CGE).

Hunstanton, 27.vii. 1896. A.W. Hill (K).

Hunstanton, viii. 1899. R.H. Lock (CGE).

Hunstanton, ix. 1900. H. Collett (K).

Branchester. 7.vii. 1901. J.E. Little (CGE).

Shingle, Snettisham Beach, 21.vi.1922. J.E. Little (CGE).

Burnham Overy, nr. Gun Hill, 12 viii.1922. J.E. Little (CGE).

Between Beacham and Snettisham, on sand dunes, 24 vii. 1933.
(C.T. Hubbard) (K).

Holme-next-the-sea, 1937 (CGE)

Dunes near the sea, near Overy Straithe, 53/860458, P.D. Sell.
62/569 (CGE).

41. Glamorgan.

Sandy shore between Swansea and the Mumbles.

25.viii. 1885. J. Fraser (K).

Merthys Mawr, 18 vii.1927. T.A. Hyde. 1203. (K).

Sands near the sea, Barry Dock, 22. vi. 1930. R.L. Smith (WPU).

45. Pembrokeshire.

Tenby, 20.viii.1851. herb. C.C. Babington. (CGE).

Tenby, sea sands, 31.vii.1886. (K).

Borth, 19.vii. 1930. N. Carter, H. Mountford & W.B. Turrill 2136, (K).

48. Merionethshire.

Barmouth, 25.vii. 1840. S.Downes (CGE).

Towyn, N.W. of Aberdovey, golf course on sand dunes with *Carex*
artharia, 29 vi.1948. Milne-Redhead, 6013. (K).

49. Carnarvonshire.

Gt. Orme's Head, nr. Conway. 20.vi.1833. Rev Leicester Darwell (K).

Great Orme's Head, 14.vii.1833. (CGE).

Llandidno, 1.vii. 1836 herb. Babington (CGE).

Pwllheli, vii.1853. Mrs Parker, nee Cubitt. (K).

Llandudno. 1855 Elizabeth Metcalfe (K).

Nr. Llandudno. vi. 1857. (LIVU)

Llandudno. vii.1867, S.H. Bickham (CGE)

Llandudno, vii.1871, herb. E.D. Bostock (LTR).

Conway Links, Llandudno, 30.viii. 1897. (LTR).

Deganwy, vii. 1938. G.V.C. Last(K).

Sandy Beach, Afon Wen, 20.vii.1955. E.K. Horwood (LTR).

Dunes, Morfa Bychan, 21.vii.1955. E.K. Horwood. (LTR).

Criccieth, Rev. W.H. Painter (K).

52. Anglesey.

Prope Madog Lake, vii.1889. J.E. Griffith (LIVU)

Anglesea, Prof. C.C. Babington (CGE).

58. Cheshire.

- Deepoint, 28.vii.1860., (LIVU).
 West Kirby, 6.vii. 1861. (LIVU).
 Sandhill, Wallasey, vii. 1870. J. Harbord Lewis (F).
 On the sandhills Wallasey, vii.1891. G.V.C. Last (K).
 Drifting coast sands, Wallasey, Wirral, 24.vi.1893. C.R.
 Billups (CGE, LTR).

59. South Lancashire.

- North Shore, (Nr. Liverpool) near the old Dog Kennels 1801. (LW).
 Nr. Bootle, Land Mark. (LIV).

60. West Lancashire.

- Bet.Blackpool and Lytham, 4.vii. 1861. herb. Churchill. (K).

66. Durham.

- On the sea-coast near South Shields, vii.1842. Mr Storey (N.Y.).

69. North Lancashire.

- Sea Shore, Walney Island, vii.1893. W.C. Worsdell. (K).

70. Cumberland.

- Maryport. 12. viii.1795. J. Gisborne, in herb Babington (CGE).
 Beach at Netherton near St. Bees herb. C.D. Pigott. B/203.(CGE).

England - Others.

- Marston Mop, Lancs. 1829. T.B. Dickson (LTR).
 Essex, 1853 (LIVU).

71. Isle of Man.

- Ransey, vii. 1819. Mus. Henslow. (CGE).
 Ramsey, viii, 1882. F.R. Tennant. (CGE).

SCOTLAND.74. Wigtownshire.

- Sandy shore, Auchenmaig, viii.1851. J. Anthony, 483. (UPS).

75. Ayrshire.

- Sea shore opposite Stevenston (K).
 Sea coast, Ayr, 1832, A.D. MacLagan (CGE).

100. Buteshire.

- Sandhills, Blackwatersfoot, Arran, vii. 1890. W.A. Travis, (LIV).
 Drumadoon Sands, Arran, 3.vii. 1894. A. Somerville (K).

110. Outer Hebrides.

- Isle of Watersay, vii. 1938, J.W. Heslop -Harrison (K).
 Eriskay, 13.viii. 1950 J.W. Heslop-Harrison (K).

Scotland - Others.

- Galloway, J.S. Henslow, (CGE; NY)
 Galloway, 1839, Graville, (NY; UPS)
 South of Scotland, Dr. Belfour (LIVU)
 Coast of Galloway, 1836, Greville (CGE).

Northern Ireland.H.38. Co. Down.

- Ben Derg Bay, sandy shore, 3.vii.1902. R.Lloyd Pragger (K).

H.39. Antrim.

Sand dunes, Bushfoot, vii. 1875. S.A. Stewart. (NY).

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IRELAND, REPUBLIC OF.

H. 1. South Kerry.

Castlegregory sand dunes near Lough Gill, E. side of Brandon Bay, 9.vii. 1938, S. Ross-Craig, J.R. Sealy, P.L. Burt, 911, (K).

H. 2. North Kerry.

Sand dunes, Banna Strand, vi. 1952. R.B. Drummond. 685. (K).

H. 3. West Cork.

Rosscarbery sand dunes, 2.vii. 1948, Mrs ~~St~~ Odlum (K).

H.16-17 Galway.

Galway, 1835, Balfour (LIV)

H.21. Dublin.

County Dublin, viii. 1872, J. Ball (NY).

FRANCE.

Pas de Calais.

Dunes de Boulogne-sur-Mer, 30 viii. 1856, B. de Brutelette (F,K)
Calais, herb. Forsyth (K).

Dans les dunes vis a vis Calais, herb, C.M. Lemonn, presented
1852 (CGE).

Somme

Dunes de St. Quentin en Tourmont, 1.vii. 1870 C. Copineau, (F).

Calvades.

Merville, 12 vi. 1897. H. Saintange Savoure, (F).
Enve. de Caern. herb. C.C. Babington (CGE).

Manche.

Dunes de St. Pair, arrondiss^t d'arranches, vii-viii, 1860
Erehier, Reliquiae Mailleanoe 1992 (F).

Gatteville, 19.vi.1861. Th.M.Fries. (UPS).

Ille et Villaine.

Parame pres St. Malo, 19.viii. 1886, Jeanpert, Plantes de France
(F).

Finistere.

Port Salut, 3.vii.1880. herb. E. Baron, (F).

Loire Inf.

Poulignen, Lloyd (F).
Sables maritimes a L'Aiguillon, b.vii. 1856, T. Letourneux ex.sicc
C. Billot 2317 (CGE).

Vendee.

Olonne, in arenosis maritimes, 9.vii.1882. Ch. Pontarlier (UPS).

Charente.

Charente infer. in arenos^s merit. 5.vi. 1871. T. Letourneux (UPS)

Le Platin. d'Angoulin pres la Rochelle, 31 v.1872.
L. Girandias (F).
Moliets, Plage, dunes, Landes, 23. vii. 1961. (LTR).

Gironde.

La Teste near Bordeaux, 19. vi. 1847, W.C. Taltey, (MANCH)

Basses-Pyrenees.

Sables a Barritz, vi. 1869. Bordere. (K).

Herault.

Cette, 6. vi. 1851 herb. Joh. Lange. (UPS).
Cette ad littora maris, 15. vi. 1851, herb. Joh. Lange (UPS)
Maguelonne, near Montpellier, 19.vi. 1853. (NY).
Maguelone, 13 vi. 1857. Planchon. (UPS).
Magellonne, shore of Med. 13 vi. 1857. (F).
Sur la bord de la Mer a Cette, 1857 (F).
Sea sands, Cette, near Montpellier, 30 v. 1856, herb,
Thomas Birch Wolfe (K).
In martimes sabulosis Montpellii, (UPS)
Plage de Villeroi; pres Cette, 20 v. 1881. R.Neyra (?) (K)
Bord de la mer, Montpellier, 1841, Dr. Leo of Metz (CGE).

Bouche du Rhone.

Sables des bords de la mera la Couronne pres de Martigues,
19 v.1873 herb. A. Martigues, (UPS).
Marseille, M.H. (Mo).

Var.

Toulon, comm. Roeper, 1833. (NY).
Plage, Hyeres, 1836, (MANCH).
Sables maritimes a Cannes (Var) 27.v. 1861 E. Bourgeau, Pl.
des Alpes maritimes, 239, (F.MANCH, UPS).
cap Croiselle, Cannes, 18 v. 1872, G.C. Joad (K).
Cavaliere, sables de la plage, v. 1915, H. Coste, P. Coustourier,
ex. sicc. Ch. Duffour 1824 (NY).

Alpes Maritimes.

Golfe Jouan, 30. iv. 1894. I.C. Mansdell-Pleydell (CGE).

Corse.

Corse, Sables maritimes, vii. 1869, Fourcade (K).
Marine de Propiano, 12 x 1916, Dr. Forsyth Major, H.292-23 (K).
Isola sanguinara bei Ajaccio, herb, Hooker (K).

France - Others.

Casteret, Normandy, 2.viii.1902. herb. L.V. Lester-Garland (K).
France, Lamaroux (NY).

PORTUGAL

Douro Littoras.

Oporto, 1855. S-N. (UPS).

Portugal, others.

Prov. Transtagana, 1948, Dr. Welwitsch, 623, (CGE, MANCH)

Mato de Rei, Leiria, iv., 1939, A. Burges (CGE).

SPAIN.

Pontevedra

Bayona, 1831, Endress (K).

Bayona, 20. vi. 1935. B. Schafer (K).

Cadiz.

Algeciras, 13. vi. 1883. N. Hjalmar Nilsson, 1112 (UPS)

Barcelona

Barcinone, in arenosis maritimes, vi. 1882. herb. Dris Frio Tremols (UPS).

ITALY.

Sardegna.

Golfo degli aranci, iv. 1901. J. S. Gamble, 28338 (K).

Liguria.

Bordighera, 29 v. 1891, C. Bicknell (UPS).

Toscana.

Pres Pise, Henri van Heurck, Iter Italicum 1868 (F).

Juxta Massa Ducale, v. 1848, J. Ball (K).

Dunes S. of Viareggio, 26 v. 1961. T. G. Tutin, 6132. (LTR).

Lazio.

Anzio - Nettune, 3. vi. 1889. Menaniano. (UPC).

Ostia, 1925, Alfred Meebold (K).

Campania.

Isle d'Ischia near Naples, herb. Thomas Birch Wolfe (K).

Sicilia.

Drepanum (Trapani) 1839, Prof. Gasparrini (CGE).

Puglia

Italia austral, Japygia, in arenosis maritimis circa.

St. Cataldo, 26 v. 1875. Porta & Rigo 130 (K, CGE).

Venezia Eugenea.

Venetis, at Lido, in arenosis maritimus, 12 vi. 1887, E. Levier (K).

Friuli Venezia Giulia.

Littorale austr. in arena ad. mare pr. Montfalcone, v. 1870 frater
Th. Pichler (K).

Montfalcone, 1871, F. Gunf. (?) (NY).

Littorale aust. in arenosis marit. pr. Monfalcone, v. 1879,

Th. Pichler (MANCH).

Sandize Meereskuste bei Monfalcone, 3 vi. 1883. P. Kanicrer (UPS).

Trieste

Tergesti, herb. Hooker (K).

JUGOSLAVIA.

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Insula Lesina etc., 1844-45, Flora Dalmatica, (CGE: MANCH)
Scoglio Bacili ad littora maris, Dalmatia, Batteri (K).

ALBANIA

On sand dunes near Durazzo, 13.v. 1934, Mrs R.V. Pennington 23 (K).

GREECE.

Thracia, in agro Byzantino, arenosis maritimes ad Pontum pr. Roumili
Fonar, 7.vi. 1890, Dr. A. de. Degen, (K).

Fl. of Thrace, Porto Lagos, shore sand of Lake Boru, 28.v.1933,
H.G. Tedd 959 (K).

BULGARIA.

In arenosis maritumis prope Anchialo 7.vi. 1931, Dr. T. Wisniewski;
1180 (K)

Prope Mesenzia, vii, 1928, Tad. Wisniewski. Exped. Scient. Polon.
Orbis, 1156, (K).

TURKEY.

Giresun.

Tirebolu, 80 km. W. of Trabzon, at the coast, littoral plain with
verbascum and Hippophae, 11.vi. 1959. E. Hennipman, P. Nijhoff et
al, Iter Leydense, (K).

U.S.S.R.

Gruziyskaia.

Abkhaskaia.

Distri. Gulripseh, prope pag. Pschapy in arenosis maritimes 6.v.
1951, A. Kolakovsky, Herbarii Flora S.S.S.R. 3690 (BM,K.NY).

ALGERIA.

Cap Caxine, sables maritimes, herb. W.L. Scott, K.k.1149,339, (BR).

SOUTH AFRICA.

Riversdale, Morris Point, 8 plants, xii, 1832, Muir. 856 (K).

TRISTAN DA CUNHA

Tristan da Cunha, ii.1904. Bonomi; 24 (K).

Tristan da Cunha Island, Settlement Station, 50-100 ft, summer
1955/56, H.G. Stableford, 120 (BM).

ARGENTINA.

Buenos Aires, Mar Del Plata, Punta Mogotes, co mun en la arena,
16.i. 1941. A. Lourleig (LIL).

A l'embouchure di l'oued Soudonaon, v. 1849 (BM).

CANARY ISLANDS.

Beach at Porto Santo, 15.v.1828. herb. R.T. Lowe (BM).

P. Sancto, xii.1856. J.M. Moriz (BM).

CANADA.British Columbia.

Nanaimo, Vancouver Island, vii.1887. John Macoun, (BM)

Sandy shores, Savory Island, Gulf of Georgia, t.vii.1885. Geo.
M. Dawson, 1596. (BM).

U.S.A.Washington.

Sea shore, vii. 1922. J.M. Grant, Flora of Western Washington (GH).

Sand beach, Marysville, vi. 1929. J.M. Grant (MANCH).

Grays Harbor Co, sand dunes at Copalis, 9.vii.1933. j. William
Thompson, 9349. (WTU).

On sand dunes along sea coast at Long Beach, 12.vii.1936, Fred G.
Meyer, 626 (WTU).

Sand dunes, West Beach, Deception Pass State Park, Whidbey Island,
14.vii.1936, Harold W. Smith, 1301 (WTU).

On beach, Westport, Grays Harbor Co. 18.vii.1936., I.C. Otis, 2104.
(WTU).

On sand beach, Takeland, Pacific Co, 19.vii.1936. I.C. Otis, 2115, (WTU).

Oregon.

Chesco, vi.1884. Howell, 226 (GH).

By the sea, Chetco, 12.vi.1884. Thomas Howell (K).

Newport, 24.vi.1923 Helen M. Gilkey (WTU).

Coos Co., beach at Bandon by the sea, 3.vi.1928 J. William Thompson
4424, (WTU).

Tillamock Co., Seabeach 4 miles north of Woods, 18 vi. 1936.
J. William Thompson, (WTU).

California.

Nova California 1833, Douglas, (BM).

Sands of the sea shore, nr. Monterey, 1849. Hartweg (K).

California, 1896. Hartweg, (BM).

Sand dunes near ocean, mouth of Waddell Creek, north of Davenport,
Santa Cruz Co, 29.iv.1934. Ethel Crum. 1709 (WTU).

Stinson Beach, sandy beach, 11.v.1935. Lewis S. Rose, 35161, (WTU).

3 mi. south of Carpinteria, Ventura Co, sand dunes, 26.v.1936,
Carl B. Wolf, 7824 (WTU).

Mouth of Santa Ana River, Orange River, sand dunes just back of
High tide level, 8.vii.1936, Carl B. Wolf, 8102. (WTU).

Redwood highway, $\frac{1}{4}$ mi. so. of mouth of Wilson Creek, Del Norte Co.
moist coastal sands, 15.vix.1937. Carl B. Wolf, 8837 (W.T.U.)

Humboldt Co, Clam beach (at U.S. Highway No 101, 18 miles north of

Eureka, sandy seashore, 5.viii.1938. Gote Turesson & Carl G. Alm, Swedish Forest Tree Expedition, 692 (UPS).

Coastal dunes, with Artemisia, Franseria, Eriogonum, Abronia and Glehnia, near Lake Earl, near Crescent City, 18.v.1940, Lincoln Constance, Alan A. Beetle, 2621 & Joseph P. Tracy (WTU).

Dunes, Ano Nuevo Point, San Mateo Co, summer 1940, class collection, Dudley Herbarium of Stanford University (WTU).

Sand dunes, Crescent City, 26.v.1948. S.C. Hood, 964. (FLAS).

Del Norte Co, in dark sand, upper reaches of ocean beach, U.S. route 101, between Crescent City and Klamath, 17.vi.1951, W.J. Dress, 3499. (BM)

Sand dunes with Franseria, Lupinus asboreus Abronia, South End Doran Park, Bodega Bay, Sonoma Co, 9. x.1953. E.K. Balls, 9635, (BM).

California, Coulter 554 (K).

ECUADOR (GALAPAGOS ISLANDS).

Galapagos, Edmondstone, (Exp. H.M.S. Herald 1845=46, fide Lanjouw and Stafleu, 1957) (TCD).

JAPAN.

Hokkaido.

Ishikar: Zanibako, viii.1878. herb. Sapporo Agric. College (NY).

Oshima. Hakodate, 1861, C.J. Maximowicz, 13399 (BM-K)

Honshu:

Aomori. In areno littoris Aomori, 10.vi.1904. U. Faurie, 5980 (BM).

Chiba. Ichinimiya in Kadzusa, 29.vi. 1952. Kazuhiko Okamoto, N.S.M. no. 533. (BM,F,K,MO,NY,UPS,WTU).

Kanagawa. Yokohama, 1862, Maximowicz, (BM, MO).

Near Kanagawa, 24.v.1867, (BM).

Yokohama 1876, J. Bisset, 264 (BM).

Kamakura, 17.v.1912. H.E. Fox. (BM).

Chigasaki in Sagami, 3.vi.1951. K.Okamoto.N.S.M.No 238. (BM,F,K,MO,NY,UPOS, WTU).

Sea shore near Ooiso, 29.v.1951, Shigetaka Suzuki (WTU)

Kanagawa 12.v.1957. H. Tanaka (K).

Enoshima Island, rocky debris and earth at base of cliffs, 1b.v.1958. J. Sinclair, 9436 (K).

Yamaguchi. On Iwakuni Air Base, Iwakuni City, on the n.bank of the Imazu River, 25.6 miles west of Hiroshima City, on top of and growing out of sea-wall, 12.v.1954, Leopold S.Charette, 1685. (NO).

Hachijo Jima

Sea shore, abundant, Hachijo Island, 6.v.1917. E.H. Wilson, Arnold Arboretum Expedn. 8394. (BMK)

Japan - Others.

In arenosis maritimis, Oosima, 1866-74, Savatier, 845 (K).
Sinagi Sima Island, Inland Sea, iv. & v. 1875. Challenger Expedn. (BM)
Mehirihama, vi. 1876. James Bisset (K).
Milae, 1878 (BM).
Seashore, Kodsu, 12.vi.1912. H.E. Fox (BM).
Japonica, Comm. J.O. Petersen, (UPS).

KOREA

Tsu-Sima Island, St. of Corea, beach, v.1859, C.Wilford. 860 (K).
Chusan and Ningpo. 1842, Capt. Sir E. Home (BM).
Chemulpo, vi. 1884. W.R. Carles (BM,K).
Coryong-tuo (Dagelet Isl.) 21.vi.1917. E.H. Wilson, 8534, (K).
Gravelly sea beach, Port Hailton, Korean Archipelago, vi.1863.
R. Oldham, 570 (K).

SHINA.

Hopeh.

Peita Ho, 10.vi.1918. Mary Strong Clemens. (BR).
Peitaiho, vi.1919. N.H. Cowdry, 81 (K).

Santung.

Chefoo, 21.v.1930. T.N. Liou, 1718. (K,NY).
Wei har wai, v.vi.1903. C.J. Matthew (K). 11.vi.1930.
Along sandy bank, near sea level, Tsingtao, 11.vi.1930. C.Y. Chiao
2487 (NY).
Chefoo, 1881, W.W. Perry (K).
Near sea shore, Race Court, Tsingtao.11.vi.1930. C.Y. Chiao 2487
(F,K,NY).
Kiaochan, ex herb. Hong Kong (K).
Along rocky slope, alt. 600 m. Pai Ying Tung, Lao Shan, 18.vii.1930.
C.Y. Chiao, (F,NY; probably incorrectly labelled - R,K,B).
Tcheu-fou 25 viii.1921, Abbe E. Licent, Voyage au Chantong, 6405 (K).

Chekiang.

Pu-to Isle, sand of sea shore, 1893. Faber (K).
Pootoo (?) Isle, A. Henry, M.35 (NY).
Pu t'o shan, Chusan Archipel, vi.1908, A.K. Schindler, 305 (K).

China - Others.

Loo Choo Islands, C. Wright, U.S. North Pacific Exploring Expedition
1853-56, 203 (K).

AUSTRALIA.

New South Wales.

Botany Bay, x 1803, R. Brown, Iter Aust.2768. (BM; holotype of
C.reniformis).
Newcastle, 1799-1819 Caley, (BM).
Five Islands, 1818, Allan Cunningham, 143 (BM).
On the sea shores of N.S.W., S. of Colony, 1819, Cunningham. (BM).
Woolonging, herb. U.S. South Pacific Exploring Expedition under
the command of Capt. Wilkes, U.S.N. 1838-42, (NY).

Creeping on the sand, Goodbro beach, Twofold Bay and
Bittangabee, Samuel Mossman, 308 (LIV).

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TASMANIA.

Tasmania, Hook. fil. (UPS).

LORD HOWE ISLAND.

Howe's Island, recd. viii.1864. Government Botanist, (K).

NORFOLK ISLAND.

Norfolk Island, x 1805. Caley (BM,UPS)

Norfolk Island, 1835, Backhouse (K).

Norfolk Island, blown sand near the shore 21.x.1939, Capt.
J.O. McCornish, 244 (K).

NEW ZEALAND.

North Island.

Auckland. Tauranga, xii.1874. S. Berggren. (UPS).
sand beach, Huia, Manukau, Harbour, 29 x 1949
Mrs K. Wood (MO).

Anawhata, west of Auckland, xi.1950 J.H. Davies (FLAS)
Sandy Gully. N.Head, Kaipara, S. Mossman (K).
Rosalie Bay, herb. T. Kirk, 604. (BM,MANCH).

South Island.

Canterbury.

Near sea shore, Canterbury, xi.1863. Travers. (K).
Banks, Peninsula, on driftsands, 1865, Dr. Haast.(K).
Pebbly beach, sea level, Timaru, i.1933. A.W. Anderson
(NY).

Otago. Bluff Island, Lyall, (K).

Kermadec Islands.

Kermadec Group, east coast of Sunday Island, not common viii.
1887. T.F. Cheeseman (K).

New Zealand - Others.

New Zealand, 1769-70 Banks and Solander (BM).

New Zealand, D.D. Banks (BM: sub Con. uniformis)

New Zealand, v.1868 T. Kirk 80 (K).

New Zealand, recd. 1858, R.Lynd. (BM).

SUNDAY ISLAND.

Sunday Island, gravel flat, 20 x.1908 W.R.B. Oliver (K).

CHILE.

Chile, 1831, H. Cumming, 376 (BM).

Valparaiso, Ph-Germain, 1856 -57 (BM, K).

Valparaiso, 1844, Bridges, (BM).

Chillan, 1875, E.C. Reed, (BM).

San Vicente, 1887, comm. Philippi (BM).

Lago Llanquihue, in litore, 5.iv.1897. P. Dusen (UPS).
 Coast sand hills, Bajo Imperial, 8.ii.1906. R. Morton Middleton (BM)
 Chile, Bridges, 15. herb. John Miers 20792 (BM).
 Colmo Beach, Concon. herb. John Miers. 344. (BM).
 In arena mobilis littoris ad concon, Poppig, Pl. Chil.1. Diar. 375.
 (BM).
 Chiloe, King, in herb. Hooker. (K).

OWIERS

Baia herb. Somerville, 64 (CGE).

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C.hederacea Wallich

JAPAN

Honshu

Yokohama, 1862, Maximowicz, Iter secundum BMK)
 Kanagawa, 24 v.1867. (BM).
 Nippon media, ad Yokohama et Yosaka, 1866=74 M.Dr le Savatier
 846, (K: sub C.japonica).
 Tokyo, vi.1906. herb. T. Terasaki (K).
 Tokyo, viii.1907. herb. Yokohama Nursery Co, Ltd. (E. sub.
C.Sepium var japonica.)
 Tokyo, v.1912. H.E. Fox (BM).
 Tokyo, 3.vi.1912. H.E. Fox. (BM).
 Daita ber Tokyo, 24.v.1926. K. Onuma, (C).
 Ueno in Tokyo, 13.vi.1952. K. Okamoto, NSM.538 (BM, BR, C, F, K, MO, NY,
 UPS, W, WTU).

Others.

Bukenji 13.v.1876, Japanese herb. of James Bisset, (E; det. C.sepium
 Kew; C.japonica, Maximowicz; C.acetositolia, Dr. Hancs).
 Bukenji, vi.1879, J. Bisset (BM).
 Japonia, comm. J.O. Etersen, (UPS; sub C. Japonica, Miq)

KOREA

Corea, W. coast 39°N. recd. 1883. Wykeham Perry. 47 (K).
 Fluvium Tumin-gan, circa oppidum Musang, Korea septentrionalis.
 27 v.1897 K. Komarov. Flora Manshuriae. 1297 (K).

CHINA.

Heilungkiang.

Mandschuria, Harbin, in horto botanico, 2.vii. 1928. N. Kozlow. (BM).

Chihli.

Prope Peking in graminosis, 1860 Swinhoe, herb. Hance 6507. (K).
 Ch'o-k'ou-tien (50 km. S.W. Peking,) norr. om Gring-wu-wiao,
 14.v. 1927, Birger Bohlin, (UPS).

Peking and vicinity, 1929, F.T. Wang, 20245, (NY).
 PrincePark, Peking, 30 v.1931. T.P. Wang, 171 (NY).
 Central Hopei, Sulu Hsien, Hsin Chi, 20.v.1948, Kay H. Beach, 14.
 (K,MO,UPS).

Shansi

South Shansi, 800 m. by open water farm, petals pink, 3.v.1929
 T.Tang, 684. (NY).
 Ning-wu Hsien, N.Shansi, 5000 ft. farmside, fl.pink, 7.viii.1929.
 T. Tang, 1257. (NY).

Kiangsu.

Kiangsu, Faber, purchased from A. Henry. 1901. (NY).
 Nankin, 1906. Dr. Macklin, 72 (F).
 Nanking, v.1918, N.Wen Hsing, (K).
 Hsiican Hwa, Nanking, 1 3.v.1920. E.O. Merrill, 638. (E;US).
 Orchard weed, Lotus Island, Nanking, 3.v.1922. A.N. Steward,
 2029. (US; sub. C.sepium).
 Nanking, vi.1922. E.D. Merrill, 11403. (F,K,NY).
 Nanking, open field, pinkish, 30.v.1927. C.Y. Chiao, 14874. (K NY).

Chekiang

Ningpo Mts. Faber 156, (W; det. C.sepium var japonica ? Handel-
 Mazzetti)
 Ningpo Mts, viii.1886. Rev. E. Faber (K).
 Shanghai. viii. xi.1886. Rev. E. Faber. (K).
 Shanghai, v.1887. Carles. 337. (K).

Hupei

Ichang, comm. In 1886 Dr. Henry 1215 (K).
 Ichang, recd. 1886. Dr. Henry, 547. (K).
 Wuchang, Lokiashan, flower white and slightly red, 29.iv.1933.
 S.C. Sun, 962, (NY; sub. c.sepium).

Yunnan.

E.E. Maire, Plants of the Vicinity of Yun-nan-sen, 751 (K).
 Plaine de La-Kou, 2300 m. fl.roses, v.1910, maire, 3642 (NY).
 Prope pagum Yungning in regionis temperatae, agris. 2725 m.
 22 vi.1914. Dr. Heinr. Frh. v Handel-Mazzetti (Diar.No 591)
 Iter Sinense 1914-18, 3143. (K).
 In campis et ad vias, 1900 m., in districtu Yunnan fu, 10.v.1916.
 O. Schock, 80 (K).
 Yunnan-sen district 1900-1920 J. Cavalerir, 3902. (K).
 Yunnan. G. Forrest, 5894. (K).

CHINA - Others.

Ourato, terre, humide, Mongolie Orientale, vi.1866. M L'abbe. A.David
 2737, (K).
 Sarhoo, roadside of cultivated fields all over Manchuria,
 Prov. Shin King, x. 1877. John Ross. 343. (K).
 Mukden to Yaloo River, comm. 1886. J. Webster, 120. (K).
 Nangkai, vii. 1887. Faber, (K).

Kiaochan, hill side, purchased, 15.x.1904. (K).
Champs, Tchang -k-tch, 10.v. 1914. Abbe E. Licent. (K).
China (W; sub. C. sepium, var japonica).

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U.S.S.R.?

Amur, Maximowicz (K).

MALAYA.

Penang, G. Parks, herb. Sillet. (K).

? SIKKIM.

Khasia & Sikkim, herb. Griffith. 5868. (K).

NEPAL

Nepal, 1821, A. Wallich, (K).
Napalia, 1821, in herb. Sillet, 1328/1, (K).
India, herb. Wallich, 1328 (BM).
Ind. or., Wallich (NY).
Napalia, 1830, Wallich (K).
Central Nipal, comm. 1886. Scully (K).

PAKISTAN (EAST)

Pubna, Bengal, 5.xii. 1868, C.B. Clarke, (BM).
Pubna, Bengal, 10 i. 1876. C.B. Clarke, 26876B, (K).

INDIA or EAST PAKISTAN

Noncolly, (?) 1850, no. 94 (K).
Sunderbands, trop. J.O.H. & T.T. (K).

INDIA.

Cachar, xii.1872. R.L. Keenan (K).
Myang Khong, Manipur, alt. 5,500' 14.ii.1882. G. Watt, 6049.5839 (K)
Upper Gangetic Plain, Dist. Kheri, 8.v.1898, Inayat, 22307. (K).
Assam, Nongong, Simons 50 (K).

AFGHANISTAN or WEST PAKISTAN.

Kurram Valley Plants, b.iv.1879. Shanack (K).
Bank of Kabwi River, alt. 1000' 18.iv.1908. Sir H.A. Deane, Flora
of N.W. Frontier. 59. (K).

ABYSSINIA.

Am Reppufer (?) 5,700' uber Meer von dem nahen Akern dahin gefuhrt
Mamberke, 12.Noobr.1863. Schimper, Plantae Abyssinicae
1357 (BM).

Pennsylvania.

Swarthmore, weed around plantings, 28.v.1947, Samuel C. Palmer,
(NY; as Con. Wallichianus).

Delaware Co, Weed in flower bed on campus, rear of Wharton Hall,
Swarthmore College, Swarthmore, 13.vii.1945, Samuel C.
Palmer, (PH; as Con. Wallichianus).

Cultivation

Imp. Gardn. Petersb. (K; sub C.dahurica).

C. pubescens Lindleyf. pubescensGREAT BRITAIN

Garden, Fortune, China, Lindley, (CGE).

Moreum Garden, 19.vii. 1849, (E).

Cobham, 1860 (Fortune brought the species from China) herb.
Forbes Young, (K).

Rhizomes bought at 2/- from Woolworths, Church Street, Liverpool
and grown at University of Liverpool Botanic Gardens, Ness,
Neston, Cheshire, 1960, R. K. Brummitt, (LIVU).

FRANCEAin.

Coteaux du Bas - Buxy (?) (Ain), vi. 1902, (MPU).

GERMANY

(illegible label) 1926, (M; sub C. sepium).

SWEDENSkane

Billinge, in the vestry keepers garden, viii. 1869, Tullberg, (LO).

Malmö, vi. 1889, G. Johansson, (BM).

Lund, cultivated in a private garden at Plommonvägen 21, imported
from a Dutch nursery 1956, 25 ix, 1958, Bo Petersen, (LD).

Öland

Borgholm, cultivated, viii. 1893, Skanberg, (LO; sub C. sepium)

Värmland

Carlstad, toyen (?) omkring Carlstad, 1861, A. & F. Kjellman,
(UPS; sub Con. sepium)..

UNITED STATES OF AMERICAMaine

Field, Veazie, 31.vii. 1890, M. L. Fernald, (GH).
York Co., waste place, J. C. Parlin, (GH).

New Hampshire

Over bushes near farm house, Randolph, 31.vii. 1896, E.F. Williams,
(GH).

Vermont

Persisting in an old garden, Manchester, 11.vii. 1898, M. A. Day,
334, (GH; sub Con. japonicus).

Connecticut

Trumbull, well established on a roadside wall, 5.viii.1906,
E. H. Eames, (GH; sub Con. japonicus).

New York

Rubbish heap on Albany post road, Cold Spring, 16.vii. 1908,
Helen Grace Campbell, (GH; sub Con. japonicus).
Sparingly escaped but persistent, Wilson, 2.viii.1925,
Frank W. Johnson, (NY: sub Con. japonicus).

Pennsylvania

Chester Co., 1879, Francis Windle (F; sub Con. sepium var. repens).
Dillerville, vi. 1881, A. F. Eby (MO; sub C. sepium).
Dillerville Swamp, west of Lancaster, 26.vi. 1890, John K. Small
(GH, NY; sub Con. spithamaeus).
Springfield, Bucks Co., 28.vi. 1898, herb. C.D. Fretz (PH; sub
Con. japonicus).
Montgomery Co., McLean Station, along railroad, 18.vi. 1906,
Jos. R. Mumbauer, 155 (PH; sub Con. japonicus).
Chester Co., roadside bank near village cemetery, Kennett Square,
23.vi.1923, Bayard Long, 27554 (PH; sub Con. japonicus).
Waste ground, Sellersville, Bucks Co., 16.viii. 1923, C. D. Fretz
(GH).
Lancaster Co., Kissel Hill, roadside, 10.vii. 1938, Louise F. A.
Tanger (PH).

- Fallow clay field, ca. 1 mi. SW of New Hope, 23 vi. 1940, Bayard Long, 54499 (GH; sub Con. japonicus).
- Philadelphia Co., open hillside near Pennypack Creek, 1.5 mi. n.e. of Fox Chase, 5.vii. 1945, Nellie A. Erisman (PH; sub Con. japonicus).
- Northampton Co., fallow field $\frac{1}{4}$ mile s. of Nazareth, 11.viii.1947, R. L. Schaeffer, jr., 27396 (PH; sub Con. japonicus).
- Wallingford, Delaware Co., Weedy open lot, Biropharen Rd., 2.vii. 1948, Samuel C. Palmer (PH; sub Con. japonicus).
- Berks Co., near road in old field northeast of Jacksonwald, 7.viii. 1949, Hans Wilkens, 8060 (PH; sub Con. pellitus f. anestius).
- On the open-weedy-scrubby field slope between Union and Hamilton streets west of 26th. street, Allentown, 15.vii.1950, Harold W. Pretz, 14539 (PH; sub Con. japonicus).

New Jersey

- Lambertville, escape, a real pest in the rocky pasture fields, 1889, herb. G. N. Best, (NY; sub Con. sepium; det C. japonicus, anon; used for illustration Ed.3, Britton & Brown).
- Camden Co., Wimslow junc., s. along A.C.R.R., 23. vi. 1910, Bayard Long, 4232 (PH).

Delaware

- Sandy waste field, Green Spring, Newcastle Co., 20.vii. 1926, Francis W. Pennell, 13063, (NY, PH; sub Con. japonicus)

District of Columbia

- Washington DC, Theodore Holm, (NY; sub Con. sepium var repens; det Con. japonicus, anon.)

Michigan

- Denton, 21.vii. 1931, O. A. Farwell, 8957, (GH; sub Volv. japonicus var. pubescens).

Illinois

- Champagne Co., waste lot, Hope Mt. Cemetery, Urbana, 21. vi. 1919, herb. A. S. Pease, (GH).

Missouri

- ? Independence, escape from cultivation, 4.vi. 1894, B. F. Bush,
(NY; as C. pubescens).
- Sheffield, rare along railroad, 4.vi. 1902, B. F. Bush, 1728,
(GH, NY; sub Con. japonicus)
- Sheffield, introduced, 14.vi. 1905, B. F. Bush, 3004, (NY; sub
Con. japonicus)

Tennessee

- Dickson Co., weed in a garden, white bluffs, 11.vi. 1922, H. K.
Stevenson, (GH; sub Con. japonicus).
- Johnson City, Washington Co., escaped and growing in T. C. Brown's
lot for 10 years, vii. 1942, D. M. Brown (Tenn; sub Con.
japonicus).
- Washington Co., along Clinchfield R. R., N.W. of Johnson City,
13. vi. 1954, R. L. James, 18342 (Tenn). sub Con pellitus)

Oregon

- Siskiyou Mountains, propagated by Mrs. J. M. Finch, Kerby,
Josephine Co., 31. viii. 1922, R. Kent Beattie, 5462 (US).

Other

- North Edgecombe, 24. vii. 1889, Geo. G. Kennedy, (GH; sub Con.
sepium).

forma spontanea Brummitt, f. nov.

CHINAChekiang

- Ningpo Mts., viii. 1885, E. Faber (K; sub C. hederacea).

Hupei

- Ichang and immediate neighbourhood, from Dr. A. Henry, 1887,
no. 1647 (K).

Hopeh

- Kaikoshan, Shanhaikwan, 5-8. ix. 1915, R. P. Licent, 1607 (K, P;
sub C. hederacea and C. sepium).
- Peking and vicinity, 1929, F. T. Wang, 20148 (NY; sub C. hederacea).

Prince Park, Peking, 30.v. 1931, T. P. Wang, 172 (NY; sub C. japonica).

Liaoning

Tsien Mts., Faber (W; sub C. japonica; det C. subvolubilis anon).

Heilungkiang

Districtus Ninguta, Vallis Ell-dshan, Manshuria Chinensis, provincia Kirinensis, 17.vii. 1896, V. Komarov, Flora Manshuriaae 1300 (BM; sub; C. sepium var. rosea).

OTHERS, CHINA OR RUSSIA

Mandshuria austro-orientalis, ad Lacum Hanka, Przewalski (BM, BR).
Manchuria, near sta. Vafangoo, chinese temple, near a well, 23.
vii. 1902, D. Litvinov, 1812 (NY).

The following specimens are similar to C. pubescens, but not typical, and are discussed in text under that species.

CHINA

Shantung

North China, Chantong ming Choei, 13.vii. 1921, E. Licent, 6306 (BM, K).

Hopeh

Ku-pei-ku, Dr. Wawra, Erdumseglung S. M. Fregatte 'Donau' 1868-71, 863 (W; 3 sheets; det. C. subvolubilis and C. sepium var. gracilis Kom.).

Heilungkiang

Manshuria chinensis, fluvium Amur, circa Sachalien, vii. 1905, Karo, V. Komarov Flora Manshuriaae 1300 (W; sub Con. sepium rosea).

Mandschurei, Gegend von Harbin, Be: Chen, gebüsch ferstreut, 25. vi. 1926, Dr. Jettmar (W; det. C. subvolubilis).

Mandscherei, Gegend von Harbin, Borchung am Stradenrand, Harbin, stellenweise, 27. vi. 1926, Dr. Jettmar (W; sub C. subvolubilis).

C. pellita (Ledeb.) A. Don

subsp. pellita

U.S.S.R.

- Baikal, Ledebour (K).
Ircutia, 1821, Turczaninow (K).
In montosis prope Ircutian, 1822, Turcz. - Sibiria or., distr. Irkutsk,
in montosis pr. fl. Irkut, 1822, Turczaninow, herb. Steven (K).
Irkutsk, Turcz. (730).
Ircutia, herb. H. Fischer 1836, 44 (73).
Dauria (730).
Ircutia, M. Pöner (K).
Dauria, M. Howard, herb. Kiers 18.779 (BM).
Vertschinskoi - Sawod, Vladzimirff (K).

subsp. exigua Brunnitt, ined.

U.S.S.R. or CHINA

- Mandschuria ad fl. No. 1965, Przewalski (K, holotype; 17, isotype).
Districtus Ninguta, in montibus Ojan-lin, circa Tantigou, Prov.
Kirinensis, 30.vi.1896, V. Komarov (K).

subsp. longifolia Brunnitt ined.

CHINA

Kirin.

- Distr. Ninguta, in montibus Ojan Lin, circa Taima gon,
30.vi.1896, V. Komarov (K).

Liaoning

- Mukden to Yaloo River (Qieling), comm. 1886, Rev. J. Webster,
219 (K).
Manchuria, Liao-tung pen., near sta. Aisandzian, clayish slope,
1.vii.1902, D.L. Litvinov, 1080 (NY; sub C. daurica).
Dairen, Manchuria, 1910, Mrs. B. Stuart (BM).

Hopeh

- In agris ditionis Pekinensis, A. David, herb. Hance 14703 (BM).
Peking, v.1882, E. Bretschneider (BM).
Fl. Pekinensis, Dr. Bretschneider 77 (K).
Leichwang, Chihli Prov., 23.viii.1912, Mary Strong Clemens,
1927, (B, E).
Chihli Prov. 1913, Mary Strong Clemens, 6347 (E).

Shantung

- Shantung, 1869, evd. Alexander Allinson (E).
Tchifoo, aest. 1872, F.B. Forbes, 14703 (K).
Chefoo, 1872, F.B. Forbes, 14707 (K).
Chefoo, vi.1881, Wykeham Perry (K).
Chefoo Mts., rare, 1889, Dr. W. Faber, 169 (K).
Chefoo Mts., Faber, ex herb. Dr. . Henry 1901 (NY; holotype).
Wei hai wei, C.C. Matthew, v-vi.1903, 753 (K).
Chefoo, near Korean bound, cultivated seed, not climbing, 14.vii.1920,
W.H. Dowdrey, 773 (K).
Fouchan, 17.viii.1921, Abbe E. Licent, voyage au Chantong 6389 (BM,K).
Pao Shan, 310 li from Tsienfu, vine, alt. 200 m, on slope,
20.ix.1930, C.Y. Chiao, 2158 (S, F, K, NY).
Roadside, 300m alt., Keng Shan, Weihsien, 2.viii.1936, T.Y. Gheo
& L. Yen, 289 (FH).
Tsingtau, Kiao-shan 202 (K).

Anhui

- Chuchow, 26.vi.1920, Elmer D. Merrill, 958 (E).

Kiangsu

- Chinking, viii.1893, herb. W.R. Charles (E).

China, others

- Pao ki, Miao wan san, viii.1897, Fr. Hugh, 4 (BH).
Kusan, Ki san shan, viii.1897, Fr. Hugh, 14 (BH).
Leunteon, Fenghoshan, viii.1897, Fr. Hugh, 36 (BH).
Mt. Kiansan, viii.1897, Rev. Fr. Hugh, (BH).
Mt. Ki-fong-san, 1899, Rev. Fr. Hugh (BH).
Deutsch China, Tsingtau, 1901, Zimmerman, 2885 (BR).
North China, coll. ? (E).

PAGE

NUMBERING

AS ORIGINAL

JAPAN.

Hokkaido

Hakodate, ix.1885. Japanese herb. of James Bisser, 2893, (E);
sub. C. japonica Miq).

Honshu

Prov. Ugo, Maduda, Yushun, Kudo, Masuda-mach; 13.viii.1905, (NY
sub C. sepium).

Nippon media, ad Yokohama et Yokoska, M.le.Or. Savatier 846,
(BR; sub C. japonica Miq).

Yokohama, vii.1861. R.O. (Oldham) 162, (K).

Yokohama, l.viii.1885, Japanese herb, of James Bisset, (E.holotype;
sub C. japonica Miq).

Tokyo. viii.1908. herb. Yokohama Nursery Co, Ltd. (E; sub C. sepium
var japonica Mak. forma major Mak).

Jajima-hara, Sai Tama, 35°30'N, 139°37'E, 24.vi.1949,
Shigetaka Suzuki, 88-39600J, (K).

Kami Ide, Fuji san, 13.viii.1896. Japanese herb, of James Bisset,
4516, (E; sub C. japonica Miq).

Prov. Bizen, 7.vi.1912, Genke; Masamune, (NY; paratype; sub
C. japonica).

Yamaguchi Prefecture, in vicinity of Kika Park, alt. 14 m. base
of east slope of Castle Mountain (Shiro-yama) National Park,
west bank of Nishiki River, Yokoyama village in Iwakuni City
(25.6 miles west of Hiroshima City, border of cultivated field
l.viii.1954, Leopold A. Charette, 1846, (MO; det. C. japonica
Choisy, J. Ohwi).

Kyushu.

Nagasaki, 1863, Maximowicz, Iter Secundum, ex.herb. hort. Petrop.,
(BM,K; sub C. sepium var. japonica).

Japan - Others.

Japan, 1861, Oldham, (NY; sub C. sepium var ?)

Japan, vii.1876, Dickins, (K).

Island of Yesso, S.E. Coast, Mr. Maries, presented 1880, (BM,K;
sub C. sepium).

Japonia, (UPS; sub C. japonica).

Prov. Echigo, Shimdu-toge; 19.vii.1886, Science College Imp.
Univ. Japan (K).

Y.Tanaka, Pl. Japon, (W; det C. pubescens Lindl. forma spontanea,
C. japonica Choisy., J.G. Hallier 1892).

Prairie, Karnizawa, 3500', 14.viii.1912. H.E. Fox. (BM).

Musashi, Toda, 17.vii.1907. com. K. Sakurai, (H., sub C. sepium
var japonica, forma major).

KOREA.

Nanzan, 17.vii.1902. T. Uchiyama. (LO. sub C. subvolubilis).

Quelpart, dans orizetas, Hongro, 30.viii.1908, Taquet, 1160 (C;
det C. sepium var. japonica (Choisy) Mak, f. angustifolia Nakai;
K.Gram).

Kangtai, 20.vi.1909, Ralph. G.Mills (K; sub C.sepium).
Seoul, Kyengki Province, vii.1933, Mrs R.K. Smith, (F; sub
C.japonica Choisy).
Seoul - Tockchon Rd., 200' banks of paddy fields, creeping,
24.viii.1952. M.P. Dann (BM).

A specimen, similar to those above from Korea, in herb. MANCH
is mounted with a specimen of C.pellita subsp. pellita labelled
'C.hederacea Wallich, Oahuria'. The label presumably refers only
to the specimen of C.pellita.

C. sepium (L.) R. Br. subsp. sepiumNORWAY

- N. Stavanger amt. Narstrand vid(?) Sandvig, vii.1842, Krok, (S).
 Grimstad, ix.1886, Edv. Ellingsen, (GB).
 Onso : Havikollen, 24.vii.1887, Edv. Ellingsen, (GB).
 Vestfold, Tjorme, Trudne, 22.vi.1889, A. Landmark, (S).
 Akershus, Vestre-Aker, Ullern, 29.viii.1900, R. E. Fridtz, (UPS).
 Baerum Sandviken, vii.1918, C. W. v. Sydow, (LD).

FINLAND

- Ruissalo, i Randen af Puruguntesburaksungen langs vejens Stensalning,
 1.viii.1922, Johs. Grntved, 356, (C).
 Helsingfors, Munksnas, Kring Phragmites (adventiv) 26.vii.1945,
 Ernst Hayren, (GB).
 Helsingfors, Munksnas, vaghant luklig plats, 24.viii.1952, Alf. J.
 Farselles, (C).
 Ostrobottnia Kajan., opp. Kajaani, in margine fruticoso viae
 Kivimaentie, haud procul ab oppido, 26.viii.1958, Lauri Heikkinen,
 (GB).
 Aland Islands, Haraldsby, roadside in village, 9.viii.1959, R. K.
 Brummitt, 59.S.201, (LIVU).
 Savonlinna, Mikkeli laani, waste ground in town on road leading
 to hospital, 13.viii.1959, R. K. Brummitt, 59.S.205, (LIVU).
 Savonlinna, Mikkeli laani, climbing on Chanraenerion angustifolium
 on lake shore in town centre, 13.viii.1959, R. K. Brummitt,
 59.S.215, (LIVU).
 Kuopio, climbing on Phragmites communis at edge of lake, 15.viii.1959,
 R. K. Brummitt, 59.S.251, (LIVU).

SWEDENMalmohus

- Vid Ringsjon i borjan, viii.1847, O. Hammar, (UPS).
 Lund, 1859, L. J. Wahlstedt, (F).

Malmo, ix.1887, Joh. Wide, (GB).
 Rarod, Ringsjon, vii.1889, Alfred Berg, (COI).
 Lund, 2.viii.1892, Ernst. Bergendorff, (GB).
 Helsingborg, Gaseback, 7.viii.1895, Sigfrid Raab, (GB).
 Vellinge, ix.1930, J. G. Gunnarsson, (LISE).
 Sophog, Ystad, 2.ix.1939, Per-Edwin Wallen, (GB).
 Ystad, pa anskradeshog, 28.viii.1940, Per-Edwin Wallen.
 Halsingborg, Raa vid an, 4.viii.1950, Th. Lange, (UPS).
 Halsingborg, Ramlosa josln fra utfyllniar (?), 16.viii.1950, Th.
 Lange, (UPS).
 Malmo, C. A. Westerlund, (WTU).
 Krageholm, herb. E. Fries, (UPS).

Kristianstad

Borrby sin, sektion 1, Karr Nasen, 14.vii.1947, Nils Johansson, (GB).

Blekinge

Aspo, 15.vii.1854, C. Sukarcrom (?), herb. E. Fries, (GB, UPS).
 Ronneby, 18.vii.1879, J. E. Zetterstedt, (UPS).
 Gammalstorp, 1890, C. G. Bostrom, (LD).
 Stilleryd, 2.vii.1895, Fr. Ingvarson, (GB).
 Nattraby, 1941, B. Holmgren, (GB, LD).
 Njallby, Horviken, 17.viii.1952, Hans Wachmeister, (UPS).

Halland

Saro, vid Snackstranden, 1860, K. Fr. Thedenius, (UPS).
 Saro, vii.1904, Ernst Hjertman, (GB).
 Alfshogs skn., 1953, Alf. Lundegren, (LD).

Kronoberg

O Thorsas Sunnansjo, 1871, C. J. Johanson, (UPS).
 Sunnansjo i O Thorsas nara Vexjo, viii.1880, C. J. Johanson, (GB, UPS).
 Ljungby, 1884, K. Linddorf, (LD).
 O Torsas Sunnansjo, 1885, Th. Wickbom, (LD).
 Wexio, ix.1902, Th. Dahlman, (GB).
 Par Ljungby Ljungbyholm, ad Flumen, viii.1914, C. M. Ryden, (UPS).

Kalmar

Oscarshamn, 14.viii.1913, O. Kohler, (GB, LD).

Oland

- Klasterhohen, 1891, Langerans, (S).
 Burgholm, 1891, Isste (?), (S).
 Glomminge socken, Rohalla, pa nasslor och grass, 24.vii.1897,
 K. F. Dusen, (UPS).
 Borgholm, 1901, Munthe, (S).
 Hogby sin Hovesjans vastra strand Salix cinerea snar, 10.viii.1916,
 Rikard Sterner, (S, UPS).
 Borgholm, 1917, G. Neander, (S).
 Vickleby, 1922, Kohler, (S).
 Borgholm, 1922, Nils Ostyren, (S).
 Sud Borgholm, 1925, I. Lilja, (LD).
 Borgholm, 1934, M. Engstedt, (S).
 Borgholm, 1942, H. Lenander, (S).
 Ad. St. Ror, vii. M. G. Sjostrand, (UPS).
 Boda sn.0866, B. A. Engstrom, (UPS).

Gotland

- In hortis ad Gamlahamn in Wisby, ix.1840, D.Hg., (S, UPS).
 Gamlehamn, 1842, Gardsberg, (S).
 Hosno socken i Linmyren, 1853, K. J. Lth., (UPS).
 Visbiae Tivoli, 1863, (S).
 Wisby och Tivoli, ix.1867, Sal.Ljungsberg, (US).
 Wisby, 1868, Edmark, (S).
 Ad Wisby opp., 12.viii.1872, A. Kolmodin.
 Faro vid em aker norr am Kalbjerga, ej langt fran Fallerviken,
 3.vii.1894, K. Johansson, (UPS).
 Visby, 1895, H. Bjorkman, (LD).
 Visby, 7.viii.1895, Helge Bjorkman, (GB).
 Visby, Gamlahamn, viii.1901, K. Johansson, (UPS).
 Tjelders i Boge, 1905, Romell, (S).
 Visby, 1905, H. Du Reitz, (S).
 Ruto sin Vallaviken, vii.1910, Harry Smith, (UPS).
 Visby strand, 1911, E.Th. Fries, (LD).
 Burgsvik, vid Stranden, 18.vii.1914, K. Johansson, (UPS).
 1930, E.Th. Fries, (LD).
 Wistov, (S).

Goteborg och Bohus

- Gotheborg, viii.1839, herb. J. E. Areschoug, (UPS).
 Goteborg, 1845, (collector illegible), (S).
 Boh., Skafto, 1852, C. O. Loven, (K).
 Gothoburga, 1855, (S).
 Stromstad, pa S. Koster, Bohuslan, 1855, M. G. Brandelius, (BR, UPS).
 Stromstad, vii.1857, M. G. Brandelius, (P).

- Koster, 15.vii.1861, A. W. Balander, (GB).
 Grebbestad, 1861, L. Forelius, (GB).
 Marstrand, vii.1862, (UPS).
 Goteborg, 1863, K. Fr. Thedenius, (S).
 Gaso, viii.1867, Robert Wensjoe, (UPS).
 Skafto, vii.1869, herb. Per Larson, (NY).
 Gothembourg, 1871, A. P. Winslow, (FI).
 Boh., Lysekil, vii.1875, J. Carlson, (UPS).
 Gotheborg, viii.1875, A. G. Log, (UPS).
 Otteron i Tanums socken, vii.1880, H. Thedenius, (UPS).
 Marstrandson, A. G. Eliasson, (LD).
 Goteborg, 1882, C. O. Boije af Gennas, (LD, S).
 Stromstad, 1886, Adlern, (LD).
 Stromstad, vii.1887, A. Skanberg, (UPS).
 Koon, 7.ix.1888, C. Lalin, (GB).
 Marstrandson, 1889, A. Ljungman, (LD).
 Bunon, 1889, O. Sternvall, (LD).
 Grebbestad, 18.vii.1892, E. Th. et H. Fries, (GB).
 Hellevikstrand, Morlanda, Ornst, 19.vii.1892, Per Johansson, (UPS).
 Haftensund, 18.viii.1892, Carl Stenholm, (UPS).
 Odsmal sn., 13.vii.1893, B. S. Norherp, (GB).
 Bohuslan 11.viii.1894, Mauritz Baarnhielm, (GB).
 Lindhohnen, 18.viii.1895, E. Th. et H. Fries, (GB).
 Bohuslan, Lycke greben Elgau pa bafstranden, 10.vii.1896, Mauritz Baarnhielm, (GB).
 Marstrand, 1896, (LD).
 Marstrandson, vii.1889.
 Bohuslan Syd Koster, 1898, J. Whin (?), (UPS).
 Nosund, vii.1899, herb. C. J. Lindeberg, (GB; with subsp. roseata).
 Goteborg, Burgarden, 12.viii.1900, John A. Nilsson, (S, UPS).
 Vargo, S. Skargarden, vii.1901, Per Fulton, (GB).
 Goteborgs Skargard, Styrso, vii.1905, C. G. H. Thedenius, (GB, UPS).
 Lyse sn. Alsback, vii.1910, J. E. Palmer, (GB).
 Bohuslan Herrestads sin, 1911, E. Jacobowsky Kylin, (LD).
 Hono vid Dana fjord, i potalisaker, viii.1912, Ernst Hjertman, (GB).
 Goteborg, 1913, H. C. Kundberg, (LD).
 Marstrand Tandden, krypanda pa klippor, 23.vii.1914, K. B. Nordstrom, (GB).
 Resterads sin Raunsberg, 26.vii.1917, Anders Holmertz, (UPS).
 Liseberg, Goteborg, 1917, H. C. Kindberg, (GB, S).
 Uddevalla, 1.viii.1918, Anders Holmertz, (F, UPS).
 Marstrand, vii.1919, Sten Grapengiesser, (UPS).
 Lysekil, Stangaharad, 20.vii.1923, Julius Ericsson, (GB).
 Goteborg garden, 1924, Bror Nilsson, (S).
 Skee sn. Hallekind, 14.viii.1925, S. Schioler, (GB).
 Tjerna sn. Runda, 3.ix.1925, S. Schioler, (GB).

Goteborg, Landvetter sin, i kanten av en aker sydost om Landv. station, 8.viii.1926, Torsten Borgvall, (GB).
 Goteborg, Lindholmen, 3.ix.1926, Julius Ericsson, (GB).
 Goteborg, Harryda sn., Kladdegarde, 15.viii.1927, Torsten Borgvall, (GB).
 Torshalla, 1927, J. E. Palmer, (GB, LD).
 Tassene sin Klef, viii.1929, J. E. Palmer, (GB).
 Morlanda sin Ellos, 21.vii.1930, Gerhard Aberg, (UPS).
 Molndal, Kikas, 17.vii.1940, Carl Blom, (GB).
 Goteborg, Harryda sn., Rya, vid an, 17.viii.1941, Harald Fries, (GB).
 Kungalv, 26.vii.1945, Axel Ekstedt, (LD, UPS).
 Odsmals sin Lillehammar, 19.ix.1945, Emil Almquist, (GB).
 Molndahl, 1952, Carl Blom, (S).
 Goteborg, waste ground at west side of town near Karl Johanns Gatan, 18.viii.1959, R. K. Brummitt, 59.S.262, (LIVU).
 Bohuslan, (W).
 Bohuslan, (LD).
 Uddevalla, (LD).
 Goteborg, Holmgren, (LD).

Alvsborg

Or, 1887, Anders Fryxell, (S).
 Hunnebyn i Gunnarsnas sn., 5.viii.1894, Per. Joh. Ortengren, (GB).
 Dls. Or, 2.viii.1897, Anders Fryxell, (UPS).
 Dalia, par. Gunnarsnas, Hunnebyn, viii.1897, Per Joh. Ortengren, (FI).
 Amal, 1900, Howard Rastrode, (S).
 Skallsjo, 1902, C. G. H. Thedenius, (S).
 Vanersborg, 1906, K. Rahne, (LD).
 Hunnebryn Gunnarsnas, 1909, Per Joh. Ortengren, (S).
 Dalia, paroecia Gunnarsnas ad Rostock, supra mare metre 89, 1.viii.1910, J. Henriksson, (LD, S).
 Stromsborg, Vanersborg, ix.1910, Karl Rahne, (GB, S).
 Alingsas, snar vid Savean, viii.1917, Birger Bohlin, (UPS).
 Dalsland, Backe sn., Torpane, pa vagen till Hjulserud, 12.viii.1917, C. A. Bergstrom, (GB).
 Sjobo, 1940, T. E. Hasselrot, (S).
 Amal, 1953, Sven Kilander, (S).

Skaraborg

Skara, viii.1893, Gustaf Dahlstrom, (GB).
 Mariestad, 1915, B. Nilsson, (S).
 Skofde, 1917, A. Hulphers, (S).
 Vara, stationsomradet, 13.vii.1929, A. Stalin, (GB).

Ostergotland

- Haradshammar sn. O Hammarsten, 1856, (UPS).
 Krokeks sin Sandviken, vii.1872, J. A. Malmgren, (UPS).
 Marmorbruket, 3.viii.1875, Knut Arnell, (UPS).
 Qvarsebo, 1879, Parbeck, (S).
 Linkoping, 1883, Nordenstrom, (S).
 Skegborg, 1883, J. O. Lundgren, (S).
 Krokek, Marmorbruket, vii.1885, F. E. Herfurth, (UPS).
 Og, Lemnea, Tjellmo, 1890, A. E. Lidstrom, (LD, S).
 Krokek, 1894, G. H. J. Dahl, (S).
 Par Krokek "Marmorbruket" ad Hallen, 21.vii.1894, And. Neander, (GB).
 Krokek Marmorbruket, 1894, A. Neander, (LD).
 Motala, 1895, P. Soderlund, (S).
 Krokek, 1895, C. T. Wellninn, (S).
 St. Johns sn. Engsjoholm, 27.vii.1899, Axel Petersson, herb. August Bagge, (GB).
 Linkoping, 1938, H. Nilsson, (LD).
 Krokek, 1947, Gosta Kjellmert, (LD).
 Borggard, (LD).

Sodermanland

- Bogsta sn. Okna, 1868, Ernst Gillberg, (GB).
 Vingakers sn. vid Kolsnarend strand medanfor Henala, 15.viii.1870, C. Agenshirna, (GB).
 Tureholm i Trosa, 1871, Sternvall, (LD).
 In litore lacus Kolsnaren, Sudermania occidentalis, 23.vii.1884, Ernst Hemmendorff, (COI).
 Vagnharad sn. Ada, viii.1892, Eugene Kohler, (CGE, S).
 Nykoping, Hallsta, 6.ix.1903, Carl Blom, (GB).
 Vagnharad, viii.1909, Erik Asplund, (GB, S).

Orebro

- Wiby, 1887, Gerda Linde, (S).
 Askersund, 1891, Otto Conterwall, (S).

Stockholm

- Norrtalje 1864, J. E. Ahlen, (GB).
 Holmid, 1822, (S).
 Stockholm, 1881, Euren, (LD).
 Surunda, 1895, Sternvall, (LD).
 Vasatraden, 1907, T. Erdmann, (S).
 Spanga sn. Riddersvik, 1910, A. L. Segerstrom, (S).
 Almunge, 1920, K. Kolthoff, (S).
 Osmo, 1934, Erik Asplund, (S).

Nacka, 1943, Artur E. Swensson, (S).
 Nacka Reginavageck, 1943, A. E. Swensson, (S).
 Nacka Duvnas, 1943, A. E. Swensson, (S).
 Bromma sin Alvikan, (S).

Uppsala

Uppsala, 1866, P. Paren, (S).
 Sko sin, Skokloster, 10.vii.1914, Gunnar Bjorkman, (UPS).
 Upsala, herb. Martii, (BR).
 Upsalia, Andersson, (W).
 Uppsala, (LD).
 Upsala wid Wardsalia, 1842, C. Reuterman, (GB).
 Enkoping, C. A. Neuman, (GB).

Vastmanland

Kilsta, 1881, A. E. Luhr, (S).
 Sundby, Carlberg-Johannesberg, 1894, Johansson, (S).
 Sala, 1909, O. Dahlgren, (S).
 Kungsara, Skepphusa, 1919, A. Johanson, (S).
 (Ludvika?) Skeppmora, 15.viii.1946, Th. Erlandsson, (UPS).
 Sala, Skuggard, Syme, (LD).

Varmland

Karlskoga, 15.viii.1881, C. Reuterman, (UPS).
 Rothkar, Karlstad, 1898, Hulphers, (LD).
 Sunne, bland nassor, 29.vii.1926, Axel Nygren, (UPS).
 Karlstad, 9.ix.1932, Ragnar Ohlsen, (GB, UPS).

Sweden, others

Uppakra, 1861, herb. L. J. Wahlstedt, (F).
 Wstmg., Angso, 1870, (F).
 Skane. Hastad, vii.1901, A.M. & Alfr. Nordstrom, (LD).
 Yik, vii.1905, Fr. Lundvan, (GB).
 Bara sn. Bohshogen, 7.vii.1915, J. Ax. Nannfeldt, (UPS).
 Hyby, Halmeja, 8.viii.1945, Th. Brandt, (UPS).
 Vastergotland. Torpa, 1893, J. H. Kylin, (LD).
 Langared (Kvarnabo), 20.viii.1903, G. Hasselrot, (GB).
 Ottom. sn. L. Jonstorp, forvildad i tradgarden, 19.vii.1906,
 Carl G. Alm, ().
 Grafsnas, 26.viii.1916, A. Stalin, (GB).
 Torpp sn. nara Ryrkan vid Heldaturs stuyrn bland vild hallan,
 14.viii.1922, A. O. Olson, (GB).

Kvarnabo, 1953, T. E. Hasselrot, (S).
Sodermannia. In paroecia "Thuringe", 1844, Ekstrom, herb.
 J.-E. Zetterstedt, (P).
 Ad Ozena, 1886, Lindshorn, (GB, LD).
 Forssa sn. Hesselangen, 1886, Leijonhufund, (S).
 Runviken, Bogsta, 1887, A. A. Lindstrom, (S).
 Sodermannia, Conrad Indebetou, (MA).
Uppland. Dalby sn. Hammarskog, 1866, Hamberg, (S).
 Ad ripas lacus Maleren, viii.1869, F. Ahlberg, (CGE, K, MANCH).
 Hammarskog, 1885, O. Andersson, 1885, (LD, S).
 Frahma Roslagen, 1897, O. Ostrand, (S).
 Kungshott, 1905. A. Wollert, (LD, S).
 Sjostrand, 1907, V. Laurent, (S).
 (Afskrift) Upland, Nyman, (S).

DENMARK

Iylland

Hjorring. Laso, ved Vandhul Ost. f. Osterby Skole, vii.1951,
 P. Kaad, (C).
 Faxholme, Bronderslev, 30.vii.1954, Beck Hansen, (C).
Aalborg. T. B. U. Distr.11, V. for Aalborg, Groft, 24.vii.1913,
 A. Michelsen, (C).
 Gudumholm ved Gjorman, ix.1903, (C).
Skanderborg. Skanderborg, 3.viii.1871, Joh. Momy, (C).
Vejle. Odis, 20.viii.1929, E. L. Selmvik, (C).
Aabenraa. Kollund Strand, 20.vii.1929, K. Wiinstedt, (C).
 Garder ved Sonderhav, Flensborg, Fjord, Distr.52, 7.viii.1923,
 C. H. Ostenfeld, (C).
 Sonderhav Ronshoved, Flensborg Fjord, Distr.52, 7.viii.1923, C. H.
 Ostenfeld, (C; sub Con. sepium var. schizopetalus ostf.)

Fyn

Svendborg. Svenborg, 12.vii.1905, Magnus Engstedt, (S).
 Stryno, Distr.32, Oststranden paa Tang, 19.vii.1946, Johs. Grontved,
 127, (C).
AEro. Distr.33, ved Bossehage, 23.vii.1943, Johs. Grontved, 511, (C).
 Distr.33, Molen ved AE., Kobing, 11.vii.1944, Johs. Grontved, 1156,
 (C).

Sjaelland

Samsø. Skanus, vii.1874, Jul. Lassen, 289, (C).

Frediksborg. Rungsted, on Phragmites communis on grey sand about 2 metres from edge of sea, 26.vii.1959, R. K. Brummitt, 59.S.21, (LIVU).

Kobenhavn. Kopenhamn, 1859, Blomberg, (LD).

Frederiksberg, 27.vii.1880, Valo Runhardt, (C).

In privet hedge at corner of Scherfigvej, near Tuborg Brewery, Copenhagen, 26.vii.1959, R. K. Brummitt, 59.S.8, (LIVU).

Roadside hedge near Skodsborg, near Copenhagen, 26.vii.1959, R. K. Brummitt, 59.S.15, (LIVU).

Soro. Ved Thul So v. Soro, 1875, L. Kolderup Rosenvinge, (C).

Others. Spurveskjul ved Hammeltoft, 3.ix.1878, H. Mortensen, (C).

Sollerod, 1879, Hildebrandt, (LD).

I Krattet ved Sonder soens Nordostside, 25.vii.1889, H. Mortensen, (MO).

Falster

Hoidkilde Hestehave, 1937, Edv. Keld, (C).

Lolland

Garde ved Guldborg sund ved Sundby, 12.vii.1901, C. H. Ostenfeld, (C).

Bornholm

Sandvig, Allinge su Kammershus Ruin, 11.ix.1893, Wilke, (LD).

Others

Ad vias prope Fagersborg, viii.1845, J. Vahl, (C).

Paa Stranden Slotslyngen, 10.vii.1901, E. Warning (?), (C).

GREAT BRITAIN

Channel Islands

Alderney. Climbing on brambles on the Blaze, towards Telegraph Bay, 24.viii.1932, A. B. Jackson, 163, (BM, K; det C.xlucana, Stace).

Guernsey. Guernsey, 11.vii.1863, (MANCH).

Jersey. St. Peters, 20.viii.1842, W. W. Newbould, (CGE).

Sark. In garden of 'Le Vieux Clos' near old mill, 19.ix.1928, F. Ballard, E. A. Golby, 168, (K).

England and Wales

1. West Cornwall. Porthcotham, 20.vii.1929, E. Thurston, (MO).
 Portreath, 17.viii.1929, E. Thurston, (MO).
 Lizard Peninsular, Mullion Cove, at the rear of the car park,
 16-23.viii.1961, Anne Martin & P. E. Gibbs, 1367, (LIVU).
 Lizard Peninsular, cliff tops, Predannock Cliff, 16-23.viii.1961,
 Anne Martin & P. E. Gibbs, 1368, (LIVU).
 Church Cove, 1 ml. E. of Lizard Town, SW (10) 731198, 16-23.viii.1961,
 Anne Martin & P. E. Gibbs, 1369, (LIVU).
2. East Cornwall. Port Isaac, c.6 mls. NNE. of Wadebridge, cliff tops,
 Lobber Point, 16-23.viii.1961, Anne Martin & P. E. Gibbs, 1370
 (LIVU).
3. South Devon. Ashburton, ix.1920, Miss Todd, (OXF; as Volv.
sepium var. schizoflora).
 Bovey Tracey, a hedge, viii.1924, W. C. Worsdell, (K).
 Seaton Marshes, 25.viii.1937, C. H. Wright, 433, (K).
6. North Somerset. Baltonsboro, viii.1881, R. V. Murray, (BM).
 Burton, hedge, vii.1936, F. N. Wallins, 236, (K).
 Street, Peck Mill, by stream, 2.viii.1943, V. S. Summerhayes, 1308, (K).
9. Dorset. Whitecliff, Swanage, 19.viii.1896, ex herb. L.V. Lester
 Garland, (K).
 Lyme Regis, 1912, F. Tutin, (LTR).
 Tyneham, 11.vii.1937, J. H. Sharpe, (OXF; as Volv. sepium f.
schiziflorus Druce).
10. Isle of Wight. Pan Copse, 16.viii.1895, E. L. Stratton, (OXF).
 Ventnor, Miss Reynolds, (K).
 Ryde, (OXF).
11. South Hampshire. Roadside, N. Fareham, 1847, herb. Mrs.
 Robinson, (BM).
12. North Hampshire. Selbourne, 4.viii.1883, J. Vaughan, (OXF).
 Andover, 23.ix.1887, C. B. Clarke, 46289, (K, LIVU).
13. West Sussex. Patching, viii.1867, G. C. Joad, (E).
 Worthing, viii.1883, Mrs. Bell Oakeshott, (LIVU).
 Chichester, Westhampnett Road, vii.1948, H. Dixon Hewitt, (K).
14. East Sussex. Westham, north of Eastbourne, hedge, 10.x.1905,
 Charles Bailey, (MANCH).
 Guestling, 31.vii.1914, A. G. Gregor, (K).
 Fairlight, near Hastings, viii.1944, hb. H. Stanley Redgrove, (BM).

15. East Kent. Nr. Cranbrook, viii.1871, J. Johnstone, (OXF).

16. West Kent. Hedge near Lewisham, 1837, J. F. Young, (BM).

West Farleigh, 1838, C. A. Stevens, (E).

Plumstead, 1852, herb. J. W. Rimmington per Spencer H. Bickham, (MANCH).

Orpington, 2.x.1886, J. Fraser, (K).

Plumstead Marsh, 15.vii.1899, A. L. with Conch.Soc., (OXF).

By dyke, Stone Marshes, 6.vii.1947, J. E. Lousley, (CGE).

Waste land by railway, High Brooms, Tunbridge Wells, 12.ix.1960, C. A. Stace, (BM).

17. Surrey. Wandsworth, 1831, herb. W. Wilson Saunders, (OXF).

Hedge banks, Stoke, viii.1847, (BM).

Barnes, 1867, (E).

Witley, 14.vii.1887, E.S.M., (CGE).

Byfleet, 31.vii.1892, C. B. Clarke, 47218A, (K; det. C.xlucana, Stace).

Kew, 16.vii.1899, T. Roekens, 1127, (BR).

Hedge, Ripley, Surrey, 20.vii.1920, P. J. Greenway, 303, (NY).

Hedges, Rose Lane, Ripley, 7.ix.1921, R. H. Jeffers, (K).

River bank between Kew and Mortlake, 18.viii.1925, A. R. Horwood, (K).

Sheen Common, under hedge on west side, 25.ix.1929, E. Milne-Redhead, 289, (K).

Headley Lane, 2 miles north-east of Dorking, hedgerow, 51/172527, 2.vii.1960, M. Goodfellow, 18, (LIVU).

A mile NE. of Dorking, climbing fence in lane below Box Hill, 51/182510, 3.vii.1960, R. K. Brummitt, 60.638, (LIVU).

Barnes, hedge, herb. Eyre de Crespigny, (MANCH).

19. North Essex. Audley End, 18.viii.1841, herb. J. E. Leefe, (K).

Park Hall, 13.viii.1868, H. E. Fox, (OXF).

Great Bardfield, 31.viii.1869, H. E. Fox, (OXF).

Park Hall, Great Bardfield, 1884, Eliza Vaughan, (BM).

20. Hertfordshire. Welwyn, 1824, W. J. Blake, (OXF).

Hitchin, 15.viii.1935, herb. Mrs. Enid M. MacAllister Hall, 1417, (E).

Watford, (CGE).

21. Middlesex. Islington, viii.1837, herb. E. Ballard, (BM).

Hampstead, 2.viii.1853, (E).

Twickenham, 14.ix.1890, Thistleton Dyer, (BM).

Ruislip, hedgerow, viii.1939, P. S. Green, (E).

Chiswick Village, side of southern railway, growing up fence in fair quantity but not so abundant as C. sylvestris which grows with it, 20.viii.1944, S. Ross Craig, J. R. Sealy, 1033, (K).

South Kensington, grounds of Natural History Museum, 20.vii.1949,
E. B. Bangerter, (BM).
Brentford, A. E. Casse, (C).

22. Berkshire. Bradfield, viii.1854, T.C., 730, (LIVU).
Ham Bridge, Newbury, 17.viii.1891, A. B. Jackson, (BM).
Hedge near Newbury, 1896, A. B. Jackson, (BM).
Hedgerow at Sunningdale, 13.ix.1936, W. T. Stearn, (NY).
Sonning Lane, herb. Roudge, (BM).

23. Oxfordshire. Weiss, near Goring, 3.ix.1831, (K).
Banbury, 15.x.1863, A. French, (BM).
Godstowe, 3.x.1873, herb. W. R. Linton, (LIVU).
Oxford, 1891, G. C. Druce, (OXF).
Wolvercoate, rambling over hedge near canal, 28.vi.1942, C.E. Hubbard,
(K).
Woodstock, hedgerow ditch $\frac{1}{2}$ mile along the Oxford Road, 24.vii.1944,
W. B. Turrill, (K).
South Stoke Vicarage, near Reading, 5.vii.1945, E. A. Elliot, (K;
det. C.xlueana, Stace).
Banbury, (OXF).

24. Buckinghamshire. Marlow Hill, Wycombe, British Botanical
Competition 1864, July 17, herb. Eliz. Chandler, (BM).
Hedges, Bourne End, 28.ix.1897, herb. R. Morton Middleton, (BM).
Bletchley, climbing allotment railings in main road opposite station
road, 13.vii.1958, R. K. Brummitt, (LIVU).

25. East Suffolk. Flatford Mill, climbing Phragmites communis in
swamp at side of R. Stour (tidal) just below mill, 5.viii.1957,
R. K. Brummitt, (LIVU).

26. West Suffolk. Cavenham, 1838, herb. Miss L. Waddington, (CGE).
Hitcham, 29.vi.1858, E. E. Doorne, (TCD).
Nayland, vii.1883, J. D. Gray, (CGE).

27. East Norfolk. Hedges at Norwich, 1778, herb. Smith, (LINN).
Postwick, hedge, vii.1834, R. J. Mann, (K).
Calthorpe Broad, 63/43, 7.ix.1958, A. R. Marsh, (LTR).
Hickling, in Cladium-Juncus marsh on east side of Hickling Broad, just
north of White Slea, 63/42, 18.vi.1960, E. B. Bangerter & Patricia
A. Sims, 789, (BM).
Horse Mere, reedswamp, 645322, T. G. Tutin, 5120, (LTR).

28. West Norfolk. Swaffan, 9.v.1833, W. Doria, (CGE).
 Hempton Green, near Fakenham, 1850, W. L. Norcutt, (MANCH).
 Appleton, rambling and climbing over bushes and herbs in moist
 ground, 29.vii.1933, C. E. Hubbard, 9181, (K).
 Tilney St. Lawrence, climbing on Phragmites on bottom of a deep
 wet ditch, 27.vii.1955, Sirkku Alho, (H).
29. Cambridgeshire. Ditton, 7.vii.1822, J. S. Henslow, (CGE).
 Wicken Fen, 27.vi.1859, (CGE).
 Dernford, near Shelford, 23.vii.1885, Arthur Shrubbs, (CGE).
 Wicken fen, 28.vii.1887, A. Shrubbs, (CGE).
 Cambridge, 1897, R. H. Lock, (CGE).
 Cambridge, 1898, F. R. Tennant, (CGE).
 Wicken fen, vii.1912, Arthur S. Shrubbs, (CGE).
 Wicken fen, 20.vii.1957, Ann Martin, (CGE).
 Madingley Road, Cambridge, opp. Lady Margaret Road, 1.viii.1957,
 Ann Martin, (CGE).
 Panton Street, Cambridge, 1.viii.1957, Ann Martin, (CGE).
 Botanic Garden, Cambridge, 1.viii.1957, Ann Martin, (CGE).
30. Bedfordshire. Osier beds, Cadwell, 26.vii.1921, J.E. Little,
 (CGE).
31. Huntingdonshire. NW. of Bythorn, 5.viii.1954, D. A. Webb, (TCD).
33. East Gloucestershire. Cheltenham, 1864, herb. Churchillianum, (K).
 Roadside hedgerow near Aston Magna, 29.viii.1954, E.K. Horwood, (LTR).
35. Monmouthshire. Hedge near Skenfrith, 2.ix.1952, D. A. Webb, (LCD).
36. Herefordshire. Leominster, 22.viii.1841, H. Minnard, (BM).
 Cultivated ground, Ledbury, 1.x.1900, S. H. Bickham, (CGE, LTR).
37. Worcestershire. Malvern, 1832, herb. Miss Moseley, (BM).
38. Warwickshire. Coventry, near Mill Lane, viii.1852, T.K., (LIVU).
 Lighthorne, 1852, C. E. Palmer, (OXF).
 Near Studley, rough sparsely wooded copse, 18.ix.1959, N.J. Pinfold,
 (ABS).
 Approx. 5 miles NE of Henley-in-Arden, banks of Stratford-on-Avon
 Canal between Lawsonford and Preston Green, SO/1866/67, 22.vii.1961,
 P. E. Gibbs, 61.964, (LIVU).
39. Staffordshire. Knypersley, vii.1887, W. H. Painter, (BM).
40. Shropshire. Near Bridgnorth, vii.1831, Dr. Geo. Lloyd, (K).

41. Glamorgan. Wenvoe, climbing well up into hawthorn hedge in lane off main road, 6.vii.1948, P. Lewis, 45, (K).
42. Brecknock. Near Three Corbes Junction, 27.vii.1883, Augustin Ley, (BM).
45. Pembrokeshire. Hedgerow, Grove, near Pembroke, 16.viii.1957, E. K. Horwood, (LTR).
48. Merionethshire. Penmaenpool Station, weed in garden, 3.vii.1948, E. Milne-Redhead, 6076, (K; det. C.xlucana, Stace).
Aberdunant Hall, Prenteg, near Portmadoc, 23/54, vii.1956, A. P. Conolly, (LTR).
Dolgelly, on Epilobium hirsutum by riverside by bridge, 23/728180, 7.viii.1958, R. K. Brummitt, 58.107, (LIVU).
Near Bala, overgrown roadside tip, 23/907340, 24.ix.1959, P. W. Ball, J. A. Ratter, J. Cullen & R. K. Brummitt, 59.785, (LIVU).
Barmouth Junction, climbing beside path from main road to estuary, 100 m. from pink-flowered sepium, 23/637143, 24.ix.1959, R.K. Brummitt, P. M. Benoit et al., 59.808, (LIVU).
By railway, Llanaber, 1½ miles north-west of Barmouth, 23/599179, 10.viii.1961, P.W. Ball, R.K. Brummitt, P.E. Gibbs & Anne Martin, 61.1621, (LIVU).
49. Caernarvonshire. Bardsey, in one field, 1933, P.M. Butler, 167, (BM).
51. Flintshire. Buckley, near Mold, hawthorn hedge, 33/282649, 12.vii.1959, R. K. Brummitt, 59.536, (LIVU).
53. South Lincolnshire. Near Holbeach, 1806, Rev. R.B. Farmer, (LINN).
54. North Lincolnshire. Lincoln, ix.1850, B. Carrington, (E).
55. Leicestershire with Rutland. Near Loughborough, hedge on canal bank, viii.1847, herb. F.T. Mott, et al., (MANCH).
Bank of the Wreake near Brooksby Station, viii.1885, herb. F.T. Mott, et al., (MANCH).
Cropstone, 14.vii.1896, (LTR).
Cropstone, viii.1897, T.A.P., (MANCH).
Evington, nr. Leicester, Neutral scrub, 14.viii.1935, S.H.M.Patrick, (LTR).
Freeman's Common, Leicester, 12.vii.1945, E.K. Horwood, (LTR).
Freeman's Estate, 29.viii.1946, T.G. Tutin, (LTR).
Freeman's Common, Leicester, waste ground, 11.vii.1947, E. K. Horwood, (K).

Freeman's Common, Leicester, 22.viii.1947, E. K. Horwood, (LTR).
 By canal Aylestone, 30.vii.1954, E. K. Horwood, (LTR).
 NW. of Ashby-de-la-Zouch, 5.viii.1954, D. A. Webb, (TCD).
 By railway nr. Western Road, Leicester, 16.viii.1954, E. K. Horwood,
 (LTR).

Hedgerow nr. Groby Pool, 1.ix.1955, E. K. Horwood, (LTR).

57. Derbyshire. Stapenhill, viii.1853, W. M. Hind, 730, (TCD).

Thorpe, 5.ix.1902, W. R. Linton, (LIVU).

Cresswell Crags, 27.viii.1955, E. K. Horwood, (LTR).

Roadside by A622, 1 mile S. of Hathersage, 43/234804, 22.viii.1958,
 R. K. Brummitt, 58.212, (LIVU).

58. Cheshire. Lymm, 1.vii.1865, herb. Charles Bailey, (MANCH).

Dunham, 27.vii.1866, herb. John Barrow, (MANCH).

Seacombe, (Wallasey), 12.vii.1870, J. H. Lewis, (LIVU).

Claughton, (Birkenhead), heathy ground a little NW of Egerton Road,
 28.vii.1875, J. H. Lewis, (MANCH).

Sale, 1.ix.1886, Prosper Marsden, (LIV).

Hedge near White House Farm near Plumbley, 15.ix.1900, Charles Bailey,
 1127, (MANCH).

59. South Lancashire. Hedge in Ullet Road S. of Liverpool,
 1.viii.1870, J. H. Lewis, (MANCH).

Southport, abt. 1870, T. G. (MANCH).

Ullet Rd., S.E. Liverpool, 5.vii.1874, John Wm. Beerton, (MANCH).

Withington, Manchester, 19.viii.1884, T. W. Edmondson, 223, (NY).

Climbing amongst the willows, Walton Arches, Warrington, 2.viii.1893,
 C. R. Billups, (LTR).

Hightown, near Formby, 23.ix.1904, G.V.C. Last, (K, LIVU).

Little Crosby, 9.ix.1951, V. Gordon, (LIVU).

Hale, near Liverpool, 20.vii.1956, Jean Wallace, (LIVU).

Gateacre, Liverpool, banks of small pond 40 m. W. of Wood Lane,
 33/443878, viii.1957, (LIVU).

Halewood, near Liverpool, hedge opposite house, Foxhill Lane,
 33/447868, 26.viii.1957, R. K. Brummitt, (LIVU).

Knowsley, hedge by young plantation, 33/441953, 28.vii.1957, R. K.
 Brummitt, (LIVU).

Hale, near Liverpool, tall hedge at W. corner of Ramsbrook Lane, 33/
 464825, 29.viii.1957, R. K. Brummitt, (LIVU).

Near Cronton Colliery, climbing low bushes and grasses beside main
 Huyton-Warrington road, 33/473889, 4.ix.1957, R. K. Brummitt, (LIVU).

Tarbock, nr. Liverpool, hawthorn hedge, 33/480887, 4.i.1957,
 R. K. Brummitt, (LIVU).

Tarbock, nr. Liverpool, bin tip near Cronton Colliery, 33/479892,
 4.ix.1957, R. K. Brummitt, (LIVU).

- Barrows Green, Widnes, roadside hedge, Liverpool-Warrington road on Z bend, 33/532880, 12.viii.1958, R. K. Brummitt 58.115, (LIVU).
- Halewood, Near Liverpool, hawthorn hedge in Wood Lane near 'Woodlands', 33/444878, 20.viii.1959, R. K. Brummitt 58.171, (LIVU).
- Gillars Green, near St. Helens, hedge in Burrows Lane opposite old salte tip, 33/474947, 21.viii.1958, R. K. Brummitt 58.172, (LIVU).
- Prescot, hedge at corner of Burrows Lane, Eccleston Lane Ends, with C. pulchra, 33/473933, G. W. Stirrup, (LIVU).
- Broadgreen, Liverpool, hedge by cemetery gates, Edge Lane Drive, 33/406907, 21.vii.1959, R. K. Brummitt 59.625, (LIVU).
- Hale, near Liverpool, grassy bank just above estuarine shore, 20m. from pink sepium 59.634, 33/465813, 24.viii.1959, R. K. Brummitt 59.635, (LIVU).
- Whitestake, near Preston, Long Moss Lane, 30.viii.1959, M. E. M. Atkinson, (LIVU).
- West Derby, Liverpool, hawthorn hedge, Deysbrook Lane, 31.viii.1959, M. E. M. Atkinson, (LIVU).
- Little Crosby, between Crosby and Formby, roadside hedge, 34/313027, 2.ix.1960, R. K. Brummitt, 60.980, (LIVU).
- Liverpool, waste ground behind Stanley Stadium, 33/384910, 31.vii.1961, R. K. Brummitt, 61.985, (LIVU).
- Between Ormskirk and Kirkby, roadside hedge, Cuncough Lane, 34/423040, 8.ix.1961, R. K. Brummitt, 61.1777, (LIVU).
- Between Ormskirk and Kirkby, bank of pond in field, Cuncough Lane, 34/405030, 8.ix.1961, R. K. Brummitt, 61.1778, (LIVU).
- Maghull, hedge at corner of Deyes Lane, 34/386025, 11.ix.1961, R. K. Brummitt, 61.1779, (LIVU).
- Rainford, roadside hedge, 33/475996, 11.ix.1961, R. K. Brummitt, 61.1780, (LIVU).
- Gateacre, Liverpool, roadside hedge, Wood Lane, near C. silvatica, 33/445878, 12.ix.1961, R. K. Brummitt, 61.1681, (LIVU).
- Rainford, roadside hedge, 33/475997, 25.i.1961, R. K. Brummitt, 61.1428, (LIVU).
- 1½ miles north-west of St. Helens, roadside hedge, Catchdale Moss Lane, 33/473969, 25.ix.1961, (LIVU).
- Barrow Nook, 4 miles south-east of Ormskirk, roadside hedge, 34/446026, 25.ix.1961, R. K. Brummitt, 61.1437, (LIVU).
60. West Lancashire. Hedge near Lancaster, 5.ix.1908, herb. Ellis, E.17.3.17, (LIV).
62. North-East Yorkshire. Near the Bleach House, Scarborough, 25.viii.1852, (COI).
64. Mid-West Yorkshire. Thorp Arch, between Wetherby and Tadcaster, viii.1850, J. McLaren, (E).
- Green Lane, Holdgate, York, 29.vii.1865, herb. Backhouse, (E).

65. North-West Yorkshire. Richmond, 12.vii.1865, James Ward,
(MANCH).
66. Durham. Baydales, near Darlington, herb. Backhouse, (E).
67. Northumberland South. Bensham banks near Newcastle on Tyne,
18.vii.1834, (BM).
N. Wylam, on yellow loosestrife, 1.ix.1954, B. Sowerby, (BM).
69. Westmorland and North Lancashire. Ulverston, Miss M. Hodgson,
730, (BM).
70. Cumberland. Hedges in neighbourhood of Ravenglass, 16.ix.1876,
C. Bailey, (MANCH).
Melmerby, ix.1921, Rev. W. Wright Mason, (OXF).
2 miles east of Carlisle, roadside, NY(35)426561, 13.ix.1960,
M. Goodfellow, 60, (LIVU).

Scotland

72. Dumfriesshire. Near Dumfries, ix.1838, M.A.B. (E).
Caerlaverock, 26.vii.1873, W. R. McNab, (DBN).
Hedges near Sanquhar, viii.1908, H. E. Fox, (OXF).
73. Kirkcudbrightshire. Kipford, roadside, 28.vi.1960, M. McCallum
Webster, 5039, (LIVU).
Between Auchencairn and Dundrennan, 10.viii.1960, J.M. & J.A. Brummitt,
(LIVU).
75. Ayrshire. ix.1837, Weronge, (?), (E).
77. Lanarkshire. Banks of the Clyde, Glasgow, viii.1827, herb.
W. Gourlie, (CGE).
82. E. Lothian. Aberlady, growing on a bank at roadside, 31.viii.1949,
Andrew Grierson, (UPS).
Longniddry, climbing grasses and railings 100m. from station,
36/445764, 7.ix.1958, J. Cullen & R. K. Brummitt, 58.277 (LIVU).
Longniddry, waste ground in bottom of crater just above sandy shore,
36/442777, 7.ix.1958, J. Cullen & R. K. Brummitt, 58.288. (LIVU).
Wallyford, on Urtica dioica on track up Falside Hill, 36/373718,
8.ix.1958, J. Cullen, R. K. Brummitt, 58.297, (LIVU).
83. Mid Lothian. Arniston, 24.viii.1832, herb. W. H. Campbell, (BM).
From a hedge row near Edinburgh, 1836, J.K., (E).
Powderhall, ix.1837, J. McCab, (TCD).
Road to Newhaven by Pibing, 14.ix.1847, herb. Murchison, (E).
Near Musselburgh, viii.1865, (E).

84. West Lothian. Kirkliston, waste ground, 28.vii.1949, Andrew Grierson, (UPS).
85. Fifeshire. Queensferry, 1835, J. McNab, (DBN).
Near N. Queensferry, 1836, herb. Greville, (E).
Ferry Hills, ix.1837, E. Young, (E).
87. West Perth & Clackmannan. Menstry, near Stirling, roadside, viii.1876, A. Croall, 867, (BM).
Leny, Callander, hedges, vii.1921, N. J. G. Smith, (K).
Kennatpans, waste ground, Clackmannan, 21.viii.1947, E. F. Warburg, (LTR).
Kilmahog, near Callander, roadside with Aegopodium and Filipendula ulmaria, 6.viii.1955, P. S. Green, 32/55, & P. H. Davis, 554GB, (E).
89. East Perth. Rattray, near Blairgowrie, 5.viii.1962, Elizabeth A. Pilling, (LIVU).
90. Angus. Invergowrie, 29.ix.1956, U. K. Duncan, (herb. U.K. Duncan).
95. Moray. Elgin, banks of River Lossie near the Cooper Park, 13.viii.1960, M. McCallum Webster, 3847, (LIVU).
Forres, trailing in rough ground near Moy House, 13.viii.1960, M. McCallum Webster, 3849, (LIVU).
96. East Inverness & Nairn. Beauly, waste ground by river, A. J. Wilmott, (BM).
100. Buteshire. Lochranza, Arran, 1884, (E).
102. South Ebuades. Port Ellen, Islay, 16/361457, , V.Gordon, (LIVU).
110. Outer Hebrides. Castlebay, Barra, edge of cottage garden, 12.vii.1936, herb. E. U. Biological Society, 0.202, (E).
111. Orkney. S.W. side of St. Margarets Hope, S. Ronaldshay, grassy banks at sea shore, not native, a garden outcast, rare, 20.ix.1934, Henry Halcro Johnston, 5018, (BM, E, K).

Northern Ireland

- H 38. Down. Colton Moss, 14.viii.1893, S. A. Stewart, (DBN).
Saintfield, viii.1902, C. H. Waddell, (K).
On bank by shore, Ardglass, 15.viii.1961, R. K. Brummitt, 61.1045, (LIVU).
Hedge opposite Y.H., Newcastle, 15.viii.1961, R. K. Brummitt, 61.1053, (LIVU).
- H 39. Antrim. Roadside outside gates of Stormont, Belfast, 15.viii.1961, R. K. Brummitt, 61.1040, (LIVU).

IRELAND, REPUBLIC OF

- H 1. South Kerry. Camp, hedgerow, abundant, 25.viii.1960,
M. McCallum Webster, 2782a, (LIVU).
Roadside hedge 2 miles south-west of Glenbeigh, 19.viii.1961,
R. K. Brummitt, 61.1167, (LIVU).
- H 2. North Kerry. Killarney, by cathedral, 2.vii.1961,
M. Goodfellow, 61.1530, (LIVU).
- H 3. West Cork. Bantry, hedge by harbour on south side of town,
18.viii.1961, R. K. Brummitt, 61.1100, (LIVU).
- H 5. East Cork. Youghal, herb. Miss A. Ball, (DBN).
- H 6. Waterford. Roadside hedge at foot of steep hill, 2 miles
south-west of Dungarvan, 17.viii.1961, R. K. Brummitt, 61.1067,
(LIVU).
- H 8. Limerick. Glin, climbing over Rubus etc. at top of salt marsh
on Shannon Estuary, near village centre, near pink flowered patch,
21.viii.1961, R. K. Brummitt, 61.1237, (LIVU).
- H 11. Kilkenny. Flynn, 1863, T. Chandlee, (DBN).
- H 12. Wexford. Courtown, viii.1894, E. M. Tatlow, (DBN).
Newtownbarry (Bunclody), Giffs Lane, near the town, common, 30.viii.
1960, M. McCallum Webster, 2798, (LIVU).
Bank of estuary of River Barrow, 3 miles north-east of New Ross, near
road junction, 17.viii.1961, R. K. Brummitt, 61.1073, (LIVU).
- H 14. Leix. Ballybrittas, side of road, vii.1947, N. L. Bor, (K).
- H 16. West Galway. Moycullen, N.W. of Galway, hedge in village,
20.ix.1960, R. K. Brummitt, 60.778, (LIVU).
Galway, waste ground, outskirts of city on the Clifden road,
20.ix.1960, R. K. Brummitt, 60.777, (LIVU).
Bank of stream near Gowlaun, 2 miles S.W. of entrance to Killary
Harbour, 21.ix.1960, R. K. Brummitt, 60.786, (LIVU).
Clifden, hedge by harbour on Clifden Bay, $\frac{1}{2}$ mile W. of town,
23.ix.1960, R. K. Brummitt, 60.803, (LIVU).
- H 17. North East Galway. Near Galway, 4.viii.1838, herb. J.H.
Balfour, (E).
Galway City, waste ground by harbour, 19.ix.1960, R. K. Brummitt,
60.773, (LIVU).
Oranmore, near Galway, roadside hedge near Maree, 19.ix.1960,
R. K. Brummitt, 60.751, (LIVU).
- H 19. Kildare. Lodge Park, viii.1864, (DBN).
- H 20. Wicklow. Fassaroe, Bray, 11.viii.1866, B. M. Barrington, (DBN).
Ballinglen, roadside, viii.1880, E. Malone, (DBN).

- H 21. Dublin. Finglas, ix.1866, Rev. H.G. Carroll, (DBN).
 Howth, vii.1882, R. Howell, (DBN).
 Rathfarnham, 9.viii.1894, R. Ll. Praeger, (DBN).
- H 22. Meath. South bank of R. Boyne below Drogheda, 1.viii.1953,
 D. A. Webb, (TCD).
- H 23. Westmeath. Killynon, ix.1864, (TCD).
- H 25. Roscommon. Kiltreevan, 2.viii.1897, T. A. P. Mapother, (DBN).
- H 27. West Mayo. Near Ballyna, 16.viii.1959, M. Anderson, (CGE).
 Castlebar factory, 94/227535, viii.1958, M. Anderson, (CGE).
 94/072629, viii.1958, M. Anderson, (CGE).
 Newport, by harbour, 25.viii.1961, R. K. Brummitt, 61.1391, (LIVU).
- H 28. Sligo. Roadside hedge 2 miles south of Grange, 26.viii.1961,
 R. K. Brummitt, 61.1419, (LIVU).
- H 30. Cavan. 1 mile N. of Butlersbridge, 4.ix.1953, D. A. Webb,
 (TCD).
- H 32. Monaghan. Road fork $\frac{1}{2}$ mile N. of Ballyho Bridge at
 southernmost tip of Co. Monaghan, 28.viii.1954, D. A. Webb, (CGE,
 TCD).
- H 34. East Donegal. Roadside hedge, Newtown Cunningham, 27.viii.1961,
 R. K. Brummitt, 61.1425, (LIVU).
- H 35. West Donegal. Hedgerow, Inver, near Donegal, 26.viii.1952,
 S. M. Walters, 52.308, (CGE).
 Inver, 25.viii.1953, D. A. Webb, (TCD).
 SSW. of Dungloe, Maghery Road, 6.ix.1955, D. A. Webb, (TCD).

Ireland, others.

Kilmacannoge, 12.viii.1894, R. Ll. Praeger, (DBN).

BELGIUM

Oost Vlaanderen

Environs de Gand, vii.1851, Coemans, (BR).
 Bords des chemins, Voorde, 14.vii.1901, Edvard & Hector Scheerlinck,
 (BR).
 Champ de seigle, entre Oordegem et Wetteren, 29.v.1921, L.Magnel, (BR).

Hainaut

Haies a Aiseau (?), 18.viii.1882, herb. J.-L. Wathelet, (BR).
 Haies, Ligne, vii.1896, Oscar Gras, (BR).
 Bois, Ligne, vii.1896, Oscar Gras, (BR).

La Hestre, herb. Briart Alexandre, (BR).

Brabant

Dans les haies environs de Bruxelles, 1853, Martinis, (BR).

Cureghem, vii.1882, Troch, (BR).

Audeghem, viii.1882, herb. P. P. Vanaerdschot, (BR).

Thomme-Mille, vii.1899, Oscar de Dieudonne, (BR).

Boitsfort, chemin, 5.viii.1930, L. Giltay, (BR).

Sous bois clair, Foret de Soignes, 13.viii.1935, herb. C. Vomden Berghen, (BR).

Haies env. de Bruxelles, herb. L. Pire, (BR).

Molenbeek St. Jean, herb. Bamps, (BR).

Antwerpen

Environs d'Anvers, 6.viii.1855, herb. Tosquinet, (BR).

Haies a Merxem (Anvers), 13.vii.1878, Hri. Vandebroeck, (BR).

Anvers, viii.1903, herb. Charles Picquet, (BR).

Kalmthout, haag, 2.viii.1957, J. Traets, (BR).

Limburg

Hasselt, haies, viii.1873, Constant Bamps, (BR).

Liege

Buissons, Modave, 13.viii.1884, G. Evrard, (BR).

Haies a Vise, 1884, A. Hardy, (BR).

Haie, Modave, viii.1890, G. Evrard, (BR).

Namur

Haies, Louette-St.-Pierre, 20.viii.1871, F. Gravet, (L).

Malonne, haie, 13.vii.1882, herb. Alph. Busschodts, (BR).

Luxembourg

St. Pierre, 30.viii.1880, herb. Wodon-Rousseau, (BR).

Zu Kornssch. bei Habay, (LIVU; sub Con. sepium v. prostratus nob.).

Belgium, others.

Haies a Maeseyck, vii.1874, herb. H. Verheggen, (BR).

Roodebeck, 1883, A. Douret, (BR).

Oseraie, Maine l'Allend, 17.viii.1895, herb. G. Polchet, (BR).

Haies, Deurne, vi.1903, (BR).

Heinstert, 1908, Balter, (BR).

Tailles dans les bois de Bergh, 3.ix.1916, E. Michel, (BR).

Tailles a Bergh, 23.viii.1917, E. Michel, (BR).

Tailles, Bergh, 18.vi.1921, V. Lambert, (BR).

Bergh, ("Morais"), alnetum artificiel peripherique a l'Hygrophorbium, 16.vii.1925, V. Lambert & P. Ledoux, (BR).

Haie d'aubepine, Laventhem, 4.viii.1941, E. Michel, (BR).

Kapellen-bos, Bosthoom, J. Traets, 523, (BR).

Achene, herb. Jules Henry, (BR).

NETHERLANDSLimburg

Meerssen, 17.viii.1902, (L).

Noord Brabant

Among basaltic boulders, on jetty in r. Merwede, west of Sleeuwijkse Gat near Sleeuwijk, often inundated at high tide, 15.viii.1955, A. C. de Roon, Flora Neerlandica Exsiccata 309, (COI, MA).

Zuid Holland

Koudekerk a/d Rijn, in a hedge, vii.1880, L. de Bruyn, (NY).
In reed vegetation, Zegveldse Meye, (N. of Woerden) 30.vii.1949, L. E. Nijenhuis, (BI, GB, MO).
By Leyden, Dr. Zitt, (E).

Noord Holland

Zeeburg (Amsterdam), 29.vi.1902, C. P. Flenstra-Sluite (?), (F).

Gelderland

Corbeek-Loo, buissons, vii.1864, O. de Dieudonne, (BR).
Bennekom-Achterweg, 5.viii.1927, G. Vermeulen, (US).

Overijssel

Gramsbergen, 6.vii.1886, herb. James Watson, (E).
Denekamp, 20.viii.1916, M.R.S. Boetje van Ruyven, (F).

GERMANYSchleswig-Holstein

Hedges near Wedel, Holstein, viii.1850, W. L. Lindsay, (E).
Kiel, stenig strandsluttning, vi.1895, G. Lang, (H).

Hamburg

Blankenese b. Hamburg, vii.1914, A. Meebold, (K).
Arredares de Bergedorf, (COI).

Hessen

Frankfurt, 1820, George Engelman, (MO).
'Wetteravische Flora', (W).
Darmstadt, Hube, (L).

Rheinland Pfalz

Hecken b. Coblenz, 1857, Sommer, (L).
Deidersheim, 1.vii.1890, Sch. Bip., (CGE).

Baden Wurttemberg

Heidelberg, 28.vii.1847, H. v. Leontarei, (MO).
 Oberamt Reutlingen, Gaisbuhl, hack, 6.vii.1891, Bjorn Lindberg, (H).
 Tubingen, smarmark, vii.1922, Bror Pettersson, (H).

Bayern

Erlange in sepibus, 1781, herb. Schreber, (M).
 Denkendorf, in dumetis sepies frequente, 1845, C. Mohr, (US).
 Augsburg, vii.1850, Kuger, (M).
 Oberbayern, Berchtesgarden vor meiner Wohnung, 1869, Sunz, (M).
 Oberbayern, Munchen, Starnberg, 27.viii.1887, Bernh. Meyer, (M).
 Munchen, viii.1903, G. Hegi, (M).
 Weiherrander bei Karthaus-Prull (Regensburg), recentes Alluvium auf
 Kreideunterlage, ca. 350m., begleitpflanzen Phragmites com. und Urtica
 dioic., vi.1906, Ig. Familler, Flora Bavarica Exsiccata 1059, (E,
 GB, M, NY).
 Isaranen beim Anmeister, 15.viii.1919, C. J. Mayer, (M).
 Oberbayern, Seefeld am Pilsensee, viii.1927, Weisenbeck, (M).
 Freising, herb. Jos. Hofmann, (M).

Mecklenburg

Kreis Franzburg, an Zavnen bei Barth, 20.ix.1856, (L).
 Parchim, 23.vii.1904, Helge Roos, (H).

Brandenburg

Rudersdorf, 19.vii.1882, herb. D.O. Hoffman, (COI).
 Pr. Golssen, (E).

Sachsen Anhalt

Fr. Wilhelmsbrucke, Flora von Magdeburg, 19.viii.1866, H.Eggert, (MO).

Sachsen

Dresden, Weidengebusche am Elbufer beim Waldsthlosschen, 1.ix.1878,
 G. Poscharsky, (COI).
 Langs de Elbe, Thurmsdorf, Ed. Everts, (L).

Thuringen

Jena, J. G. Hallier, (L).

POLANDRzeszow

Serlizien Latoszyn bei Debica, viii.1884, Kronfeld, (W).

CZECHOSLOVAKIAPraha

Neuhof prope Kuttenberg, Jos. Patzelt, (L).

Brno

.....bei Brunn, 1871, Dr. Schur, 2754, (FI).

M. Weisskirchen, in Weidingebuschen an der Beriva bei Hustopetsch, viii.1911, F. Petrak, Flora Bohemiae et Moraviae exsiccata 700, (BM, E).

.....Weinberg ... Brno ..., vi.1917, herb. Ing.Hans Schloss, (E).

Olomouc

Cernovir bei Olmutz, viii.1884, R. Krampfla., (W).

Bratislava

Klein Karpathen, vii.1884, let. Georgen, herb. Dris.A Zahlbruckner, (W).

Kosice

Iglo, Jermy Gusztav, (MO).

Czechoslovakia, others.

Bohemia, Opitz, 1851, Dr. G. F. Koch, (MANCH).

Nordbohmen, in Weidengestrupp am Ufer des Biberbaches in Drum, 15.ix.1909, Dr. Ernest Korb, (W).

HUNGARY

..... bei Pest, 22.vi.1878, W. Steinitz, (F).

In Engelsfeld bei Pest, 10.vii.1879, W. Steinitz, (FI).

In Engelsfeld bei Pest, 4.ix.1879, W. Steinitz, (MANCH).

Engelsfeld bei Pest, 1.vii.1880, W. Steinitz, (MANCH).

Pet, Veszprem, 27.vii.1906, herb. General J. Schneider, (W).

Deliblat, Kincstari homokpuszta, vii.1919, Wagner Janos, (GB).

Ad margines sylvam zu Hungaria, Lang, herb. Zuccarini, (M).

Pesth, ex herb. J. Gerenday, herb. Ball, (E).

In fossis et dumetis collium ad Budafok prope Budapest, Dr.Filar'sky,(H).

AUSTRIATirol

Gschnitztal, 1908, Fritz Wettstein, (M).

Ost-Tirol

Weitlannbrunn, vii.1895, Th. Pichler, (US).

Salzburg

... Saalach bei Lofer, 30.vii.1891, v. Hayek, (GB).

Ober Osterreich

Near Aistershaim, vii.1875, C. Keck, (COI, MO).

Karnten

Unter Gebusch bei Tentschach nachst Klagenfurt, viii.1871, Jos. L. Krenberger, (COI, W).

Steiermark

Gratz, 1842, ex legato Alexander Prior, (K).

Oberburg, 1200 ft., in hedge of field, 17.vii.1873, A. G. Waters, (MANCH).

... bei (Bad) Gleichenberg, viii.1875, E. Preissman, (W).

Zu den Muranen bei Radkersburg, 203m., 27.viii.1896, E. Preissmann, (W).

Niederosterreich

In Gebuschen rankend am Ufer der Thaya bei Raabs, 13.viii.1875, Jos. L. Krenberger, (Hal.)

An Zaunen in Grinfrissen bei Voslau, viii.1877, Heinrich Braun, (W).

Am Weissenbache bei Gloggnitz, 30.vii.1891, Louis Keller Neuwaldegg, 28.vii.1903, herb. General J. Schneider, (W).

Giesshubl, 9.viii.1904, herb. General J. Schneider, (W).

Gubnitz, Angem, 17.ix.1907, herb. General J. Schneider, (W).

In Donauanen bei Stadlau, 21.vii.1911, Dr. Korb, (W).

Nachfeld, in Ulmus-gebuschen bei Ober Siebenbrunn, 18.vii.1912, Dr. Korb, (W).

Marchanen bei Stillfried, 7.vii.1915, Johann Vetter, (W).

Feuchte Gebusche bei Bisamberg, 10.vii.1919, H. Zerny, (W).

Modling (Vorderbruhl), viii.1919, G. Feur, (K).

Edlach bei Reichenau, an Gartenzaunen, vii.1953, Patzak, (H).

Wien

Amrinburg (?), b. Breitensee, Wien, 24.vii.1875, Mich. Ferd. Mullner, (W).

Wien XIX, unter Schilf am Bache in der Wildgrube bei Grinzing, 20.vii.1915, Dr. Korb, (W).

Vienne, 1831, Lamotte, (NY).

Austria, others

Austria, 1889, ex herb. F. A. Fischer, (L).

SWITZERLANDGeneve

- Dans les haies a Carouge pres Geneve, 21.vii.1872, E. Ayasse, (UPS).
 Geneve, les haies et les buissons, 22.viii.1884, E. Ayasse, Societe
 Dauphinoise 4974, (BM, P).
 Geneva, hedge near Petit Sacconer, 23.vi.1904, G. S. Miller jnr.(US).
 Near Geneva, 25.vi.1904, G. S. Miller jnr. (US).
 Geneve, herb. Henri Bernet, (NY).

Vaud

- Les haies pres Bex, 1866, Thomas, (K).
 Lausanne, comm. L. Favrat & W. Barby, 1879, (K).
 Lausanne, 1885, (BR).
 Payerne, Bois de Boulex, 7.viii.1941, A. Savary, (BR).
 Environs de Lausanne, (L).

Neuchatel

- Neuchatel, vi.1862, (FI).

Baselland

- Aesch-Dorneck, 16.vi.1895, K. E. Hirn, (H).

Berne

- Berne, vii.1858, (FI).
 Interlaken, hedge, Seestrasse, 5.ix.1959, J. H. Clarke, (LIVU).
 Boningen, (MANCH).

Ticino

- Lugano, vii., Ed.Everts, (L).

Graubunden

- Chur, Daleuwiesen 580m., Lebhag, mit Humulus und Galium aparine,
 5.ix.1924, P. Flutsch, Braun-Blanquet Flora Raetica Exsiccata 768,
 (GB, W).
 Garten bei Chur 590m, an Strauchern und Spaliergittern rankend,
 1.vii.1925, C. Coaz, Braun-Blanquet Flora Raetica Exsiccata 980,(GB).

sundry

- Helvetia, herb. Schreber, (M).

FRANCE (including CORSICA)Picardie

- Somme. Doullens, 24.vii.1889, herb. C. Copineau, (COI).
 Harnoy, 17.vii.1890, herb. C. Copineau, (US).

Aisne. Soissons, viii.1922, herb. William H. Dunham, (F).

Isle de France

Seine et Oise. Saint Brice, pres Paris, vii.1882, herb.
Mouillefarine, (F).

Trappes, haies et buissons, 10.vii.1926, D. Perrault, exsicc. Ch.
Duffour 5251, (MA).

Champagne

Aube. Maraye en Othe, haies, 19.viii.1920, herb. E. Donge, (BR).
Maraye, 16.viii.1928, herb. Donge, (BR).

Lorraine

Vosges. Haies le Memevil, 24.vi.1892, (BR).
Meurthe et Moselle. Nancy, 1871, J. S. Gamble, (K).

Orleanais

Loir et Cher. Les Montils, viii.1854, A. Franchet, (P).

Touraine

Indre et Loire. Dans les haies env. de Tours, 1831, herb. Delaunay,
(W).

Franche Comte.

Doubs. Broussailles a Fontaine-Ecu pres de Besancon, Fleurs 1.vii.1860,
fruits 21.viii.1860, V. Bavoux, exsiccata de C. Billot, 2886 bis,
(BR, CGE, F, LIVU, P, US).

Lyonnais

Rhone. Lyon a Vaulx, 1853, herb. Jordan, (CGE, LIVU, MANCH).
Villefranche-sur-Saone, haies a Mongre, 7.vii.1876, P. Tillet, (COI).
Bushes near Loumiers, 17.viii.1896, A. Carreu, (MANCH).
Arnas, viii.1897, M. Gandoger, (H).
Arnas, viii.1898, M. Gandoger, (MO, W).
5 km. south of Lyons, ix.1960, J. A. Ratter, (LIVU).
Lyon, Mutel, II 300, (MA).
Lyon sur, Jordan, (W).

Savoie

Haute Savoie. Pringy, in sepibus, 1899, Puget, (MO).
Savoie. Haies autour de Chambery, 18-30.vii.1860, G. E. Paris,
exsiccata de C. Billot 2886, (BR, CGE, F, P).
Haies, buissons, Verel Pragondran, A. Chabert, (FI).

Guyenne

Gironde. Bacalan, 4 kil. N. de Bordeaux, haies, 6.vii.1840, G.L., (NY).
Bordeaux, espace compris entre l'Estey et la rue Carle-Vernet,
30.vii.1891, herb. E. Neyraut, (MPU).

Languedoc

Gard. Dans Toutes les-haies, Nimes, 12.viii.1832, P.-C. de Pouzolz,
(MPU).

Anduze, dans les Vigeres, 30.vi.1843, (MPU).

Nimes, in Bohm, Dr. Gustav Lorinser, (W).

Herault. Bords de l'Yssanka a Balarm, 22.vi.1886, herb. E. J. Neyraut,
(MPU).

Montp. (MPU; sub Con. maritimus Gou.).

Provence

Bouches du Rhone. Albaron, 5.vi.1933, E. van Olden, 46, (L).

Bearn

Basses Pyrenees. Benste, 16.ix.1950, A. Lourtey, 1587, (C).

Gascogne

Hante Garonne. Pyrenees centrales, Luchon, 15.vii.1856, J.-E.
Zetterstedt, (GB, UPS).

Foix

Ariege. Ax-les-Thermes, 14.viii.1906, Oldfield, Thomas & Miller, (US).
Bonnac, Treviranus, (L).

Rousillon

Pyrenees Orientales. Prades, haies, 8.ix.1902, Fre. Sennen, (BR).

Corsica

Stagno di Palo, sumpwiese, 20.vii.1933, Paul Aellen, (K).

ANDORRA

Las Escaldas, alt. 1000m, vii.1913, Paul Cousturier, (MO).

SPAIN, (including BALEARIC ISLANDS)

Willkomm & Lange (1870) indicate that this species is fairly common in lowland Spain, but it may be rare or absent in many higher regions of central meseta. For example, it is not recorded from the Province Jaen by Galiano & Heywood (1960).

Guipuzcoa

Zarawz, N.coast Spain, sea road, 5.viii.1952, H.C.D.de Wit, Iter
Hispanicum 5293, (L).

Santander

- Suances, viii.1912, Coscollano, (MA).
 Cultivos Granja - Escuela Nevas, Santander, 10.ix.1949, Emilio
 Guinea, Phytototeca Selecta 27, (MA).
 Valle de Carriedo in Selaye, Saludo, (MA).

Oviedo

- Somio, 8.vii.1913, herb. Cesarea Martinez, (MA).
 Poago (Sta. Ma. de), 15.vii.1914, herb. Cesareo Martinez, (MA).
 Via norte, cerca Lugones, 26.vii.1914, herb. Cesareo Martinez, (MA).
 En los prados junto al mar de la Concha cerca del Cabo Artedo al
 E. de Cudillero, Lagasca, (MA).

Lugo

- Rabade, en los retos del rio Nino, viii.1951, Penas, (BC).

Pontevedra

- 20.v.1932, Gz. Albo, (MA).
 Marin, 9.ix.1932, Gz. Albo, (MA).

Orense

- Castrelo de Mino, 17.vii.1935, A. Rodriguez, (MA).

Burgos

- San Pedro cerca Gumiel de Hizan, 7.viii.1919, Fl. Martin, (BC).

Logrono

- Logrono, Zubia, (MA).

Lerida

- Albages, F.Q. (Font-Quer), 10.vi.1933, (BC).

Barcelona

- Prope lacum vulgo de l'Illa, Prat de Llobregat, 10.vi.1939, A. de B.
 (Bolos), (BC).
 Sta. Maria de Besora cauri de Borcatell, 24.vii.1960, C. Besora, (BC).

Zaragosa

- Ad sepes, Calatayud, vi.1910, C. Vicioso, (MA).

Tarragona

- Orillas le acequias, Amporta, viii.1914, Caballero, (MA).
 Salou, 18.v.1926, F.Q. (Font-Quer), (BC).

Castellon

- Castellon de la Plana, 29.vi.1852, E. Bourgeau, (P).
 Margenes de las acequias entre matorrales de los Zarzales, Segorbe,
 vii.1880, C. Pau, (MA).

Valencia

Dehesa de la Albufera, 12.vii.1908, E. y F. Moroder, (MA; sub C. silvatica var. valentina Pau).

Nr. Peroller, S. of Valencia, banks of brackish inland lake among grasses, 31.vii.1952, H.C.D. de Wit, 5195, (L).

Cuenca

Serrania de Cuenca, vi.1898, M. Gandoger, (W).

Madrid

Casa de Campo (Madrid), viii.1828, J. D. Rodriguez, (MA).

Ad sepes, Villaverde, v.1918, C. Vicioso, (MA).

Ad ripas, Morata de Tajuna, 17.viii.1919, C. Vicioso, (MA).

Orillas del Manzanares, (Madrid), vii.1921, A. Aterido, (MA).

Casa de Campo, vii., herb. Colmeiro, (MA).

Villaviciosa (?), 23.vi., (MA).

Aranjuez, vi. Isern, (MA).

Ciudad Real

Fuente de Las Asadillas, 28.v.1933, Gz. Albo, (MA).

Teruel

2 km. north-west of Gea de Albarracin, climbing bushes on river bank, 5.vi.1962, R. K. Brummitt, P. E. Gibbs & J. A. Ratter, 793, (E, LIVU).

Sevilla

Cazalla, viii., (MA).

Cadiz

Puerto de Sta. Maria, Cutierver, (MA).

Mallorca

Llare (?), aceguia, 13.vi.1947, Palau Ferrer, Flora Majoricense 2072, (MA).

Lados de torrentes, estangues etc., Soller, 25.vii.1954, Palau Ferrer, Plantas de Baleares 653, (MA).

Llocs frescats, torrents, Soller, 25.vii.1954, Palau Ferrer, Plantas de Baleares, (BC).

Spain, others

Galicia, P. Merino, (MA).

Orillas de las acequias, 22.vi.1892, B. Vicioso, (MA).

Pantano de Lopollo, 26.vi.1904, Francisco de Pa. Jimenez, Cartagena, (MA).

Avallfagona, Sra Gallardo, vi.1919, (BC).

PORTUGALMinho

- Esposende, costa maritima, viii.1883, A. Segueira, (COI).
 Margens di Rio Minho, Valenca, vi.1885, herb. A. R. da Cunha, (LISE).
 Gandra, Montedor, Minho, vi.1886, herb. A. R. da Cunha, (LISE).
 Melgaco, S. Gregorio, vi.1894, A. Moller, (COI).
 Vila Nova da Cerveira, Covas, vi.1919, Abade Clemente Pereira, 108,
 (COI).

Douro Littoral

- S. Thiago de Bougado, viii.1877, M. Padrao, (COI).
 Porto, am Douro infer., v.1891, Dr. O. Buchtien, 245, (UPS).

Beira Littoral

- Arred. de Coimbra, motas do Mango, vii.1883, A. Moller, (COI).
 Pinhal de Leiria, vii.1884, C. Pimentel, (COI).
 Figueria da Foz, vi.1885, F. Loureiro, (COI).
 Coimbra, Choupal, vii.1889, A. Moller, Flora Lusitanica Exsiccata
 703, (COI, Hal).
 Albergaria, vii.1890, A. Moller, (COI).
 Arred. de Coimbra, Barconco Asena, vi.1895, M. Ferreira, (COI).
 Pinhal de Leiria, vi.1917, Guilherme Felgueiras, 249, (COI).
 Quinta da Foja, Figueira da Foz, vii-viii.1927, B. Benoliel, 2370,
 (LISE).
 Figueira da Foz, nos restolbos, pr. Casal da Fonte, em Gala,
 23.vii.1940, A. R. Pinto da Silva, (LISE).
 Setes, terrenos humidos, Casal da Frade, Arred. de Coi.b, 27.vi.1942,
 (COI).

Estremadura

- Lisboa, serra de Monsanto, viii.1884, J. Perestrello, (COI).
 Entre Runa e T. Vedras, leito do Sizandro, x.1884, J. G. Barros e
 Cunha, Flora Lusitanica (Soc. Brot. 5 anno) 667, (COI, LISE).
 S. Pedro de Muel, margens da ribeira, pr. da cihada a N. do Farol,
 vii.1938, A. R. P. Silva, (LISE).
 Caldas da Rainha - Santa Catarina, beira do riacho, viii.1943,
 J. Pinto Lopes, (COI).

Ribatejo

- Terrenos sul da linha ferrea - Azambuja, ix.1926, A. Passos, 1252,
 (LISE).
 Alhandra, nos taludes do clique - valado - que cerca o mouchao da
 Alhandra, 16.vii.1943, F. Fontes & M. Silva, EGSS 183, (LISE).

Alto Alentejo

- Elvas, Varche, Quiunte de efta Rita, margens do ribeiro, 13.viii.1953, J. Gurra, 83, (ELVE).
 Elvas, Rosal ribeiro do Qavel, junto a ponte da estrada de Campo Maior, 22.ix.1954, Beliz & Raimundos, 1732, (ELVE).
 Castelo de Vide, ribeira de Niza, junta a ponte de Panaseo, (ELVE).
 Serra d'Ossa, margens da Ribeira de Tera, junto a ponte de estrada Estremoz-Redondo, em solo aluvional de xisto, 22.vi.1960, A. F. Raimundo et J. A. Guerra, 5023, (ELVE).

Baixo Alentejo

- Odemira, vii.1893, G. Sampaio, (COI).

Algarve

- Faro, ix.1880, J. d'A. Guimaraes, (COI).

Portugal, others

- In sepibus, prope Odivella Frequentibus, 30.vii.1844, Dr. Welwitsch.
 Ad Villa Nova, 1848-1850, Dr. Welwitsch, 817, (MANCH, US).
 Arredores de Visella, vii.1889, A. Velloso d'Aranjo, (COI).
 Pomal, vii.1890, A. Moller, (COI).
 Ribeiro do Lamarsa, Corte da Freckeira, 15.ix.1933, Jodo Canavarre, (LISE).
 A. de Carvalho, herbario da Flora de Portugal, 555, (COI).

AZORES

- Flores, Thomas Carew Hunt, (K).

MOROCCO

- Tadla, Beni Mellal, bords des etangs, haies, 500m., 26.v.1925, E. Jahandiez, Plantes Marocaines 1925, 350, (BM, E, MA; sub C. sepium var. barbara Pomel; det. C. x lucana, Stace at BM).
 Reg. Rabat, bord de l'O Tifelt au S de Sidi Yahiadu Rharb, 3.viii.1954, G. de Brichambaut & Ch. Sauvage, 12513, (ELVE).

ALGERIA

- Mostaganem, haies, 1848, V. Balansa, (W).

TUNISIA

In paludibus ad viam prope Menzel Djemil, 22.vi.1887,
A. Letourneux, (P).

ITALY including SICILY and SARONIA, excluding SAN MARINO.Trentino Alto-Adige

Valli Giudicarie, Lago di Toblino (Trento), 8.vii.1956,
A. Chiarugi, R. Corradi, R. Bavazzano, (FI).

Venezia Euganea

Peschiera, Lago di Garda, 31.viii.1874, A. G. Waters, (MANCH).

In sepibus umbrosis circa Torri ad Benacum, sol. calcar.,

90-100m., 25.vii.1878, G. Rigo, (BR, GB, MANCH).

In un campo a Cozzuolo, Vittorio, 28.vi.1894, Renato Pampanini, (FI).

Alveo del Piave, 17.vi.1900, M. Minto, (FI).

Prov. di Padova, in arundinetis secundum viam inter Monselice et

Arqua-Petrarca, solo subterfaceo, vi.1911, A. Beguinot, Flora

Italica Exsiccata series 2, curantibus Adr. Fiori et A.

Beguinot, (BM, FI, K).

Palude della Secca (Lago S. Croce), viii.1912, R. Pampanini, Flora

Bellunese, (FI).

Battaglia, (Padova), 23.viii.1950, D. Bertolani-Marchetti, (FI).

Friuli Venezia Giulia

Gonars (Udine), 1888, Tacconi, (FI).

S. Pietro, Bacino medio del Natisione, 14.vi.1900, M. Minio (FI).

Prati umidi e paludi presso S. Daniele (Udine), alt. m 250,

21.vi.1958, R. Bavazzano, A. Contardo, A. Benini, (FI).

S. Pietro al Natisione, M. Minio, (FI).

Istria

..... Triest, v.1841, herb. Mutii Tommasini, Flora Illirico-
Littoralis, (L; sub Con. sylvaticus).

Trieste, Opcina, vi.1875, Dr. C. Marchesetti, (FI).

Gorizia, Lido di Monfalcone, vi.1878, Dr. C. Marchesetti, (FI).

..... Triest ... Boschetto ... Monte Spaccato, Tommasini, (L;
sub Con. sylvaticus).

..... Monte Spaccato, herb. Mutii Tommasini, Flora Illirico-
Littoralis, (BR).

Tergesti, ex herb. Florae Illyricae, comm. M. Tommasini, (TCD).

Lombardia

- Presso Milano, v.1864, (FI).
 Luoghi paludosi lungo l'Oglio a Grumone, 2.ix.1864, Prof. Parlatore, (FI).
 Loughi aridi e siepi a Grumone, 1866, Parlatore, (FI).
 Bastione di S. Venezia, 1.viii.1871, Mazzuchelli, (FI).
 Isola Comacina, Lago di Como, Don Ronchetti, (MANCH).

Piemonte

- Susa in luoghi aridi, 26.vii.1834, (FI).
 Dr. Ed. Rostan, exsiccata pl. Alp. Cottiarum praecipue Italicarum 1880, (L).
 Turijn, wegrand, vii.1937, Dr. S. Wisserna, (L).
 Salere di Vignale, (Asti), 5.x.1950, D. Bertolani-Marchetti, (FI).

Liguria

- S. Lazzaro Reale (Prov. Imperia) nel fiume Impero, 2.viii.1932, R. Corradi, (FI).
 San Remo, alle siepi, commune, Pruigi, (FI).

Emilia-Romagna

- Tra le siepi lungo le vie dei contorni di Modena, vii.1878, Dr. G. Gibetti, (?), (Hal).
 San Faustino, 9.vi.1882, herb. Adr. Fiori, (FI).
 Lungo le siepi vicino a Modena, vii.1903, G. B. de Toni, (NY).
 Am Neerstrand bei Rimini, 11.vii.1912, D. Urban, herb. Dr. Ernest Korb, (W).
 Flora alveale (Parma), Ponte ... Taro a S. Secondo, 2.viii.1918, M. Minio, (FI).
 Prov. di Modena, Casinalbo, nelle siepi argilloso-siliceo, alt. 70m, 10.vii & 28.viii.1939, (BI).

Toscana

- Toscana, 1830, herb. Ricasoli, (FI).
 Ad Collem Fesularum, prope Florentiam, vii.1842, J. Ball, (E; sub Con. sylvestris).
 Ex convallibus calidioribus Hetruriae, prope Bagni di Lucca, vii.1844, J. Ball, (E; sub Con. sylvestris).
 Ex maritimis Hetruriae in sylva Pisana, 9.x.1861, J. Ball, (E).
 Agro pisano, vii.1866, ex herb. Hort Bot. Pisani, Flora Etrusca Exsiccata, (BR).
 Pres Pise, Henri Van Heurck, Iter Italicum 1868, (BR).
 Pres Pise, Henri Van Heurck, Iter Italicum 1868, (BR; sub Con. sylvestris).
 Montici, pr. Florence, 11.ix.1870, herb. E. Levier, (FI).

- Pusio (?) Casciana, 29.vii.1872, da Bastianini, (FI).
 Rapolano nel Senese, in sepibus, vii.1873, S. Sommier, (FI).
 Bibbiena - nel Casentino, in sepibus, 17.x.1873, S. Sommier,
 (FI; sub Con. sylvestris).
 Signa, riva d'Arno, 5.vi.1881, herb. Tanfani, (FI).
 Zorrente Brana presso Pistoia, 12.viii.1882, herb. Tanfani, (FI).
 Pescia, per le siepi negli orti lungo il viale Garibaldi,
 viii.1886, herb. Dott, Pietro Fantozzi, (FI).
 Farte dei Marmi, nelli siepi, 13.viii.1888, Lotti, (FI).
 Isola del Giglio, al Santo, 21.v.1894, Stephen Sommier, (FI).
 Lungo la Greve presso gli Scapeti, 27.vii.1897, herb. E. Baroni,
 (FI).
 Firenze alle Cascine, 29.viii.1902, Adr. Fiori, (FI).
 Presso il laghetto di Casoli in Val di Lima, 590m., 3.vii.1904,
 Stephen Sommier, (FI).
 Nelle siepi, Arezzo, 21.vi.1908, M. Savelli, (FI).
 In promontorio Argentario, piuttosto frequente fragli arbusti,
 nella macchia e lungo lo stagno, 24.vi.1911, Stephen Sommier,
 (FI).
 Cascine di Firenze, 2.v.1927, R. Corradi, (BI).
 Sansepolcro, 14.vii.1932, R. Pichi Sermolli, (FI).
 Gollano, 13.v.1933, U. Losacco, (FI).
 Macchia di Donoratico (S. Vincenzo-Livorno), consorzi umidi,
 viii.1933, R. Gabrielith, R. Corradi, (FI).
 Versilia, presso Motrone, viii.1941, R. Pichi-Sermolli, 12361, (FI).
 Maremma grassetana, Tenuta Acquisti, Farsa Rigone, 20-25.vii.1946,
 Spriaradi (?) & R. Corradi, (FI).
 S.R.19, Al Paludetto, S. Rossore, 25.vi.1951, A. Chiarugi,
 R. Corti, G. Negri, (FI).
 Alte Valle del Taverone (Alta Lunigiana), 30.vi.1951, E. Ferrarini,
 (FI).

Umbria

- Presso il Lago Trassimeno, 11.viii.1893, herb. Biondi, (FI).
 Rintorni di Terni nelle siepi, 20.viii.1893, da Mari, (FI).

Lazio

- Circa Tibur (Tivoli), 7.vii.1848, (P, W).
 In agrosis circa Romam, Alba Magliana, 18.vii.1860, da Rolli, (FI).
 Viterbo (Poggi della Pallangana), 5.vii.1885, G. Macchiati, (FI).
 Tivoli, olivetti del Nipoli, 8.v.1902, Lino Vaccari, (FI).
 Monterotondo (Roma), 25.vii.1952, C. Steinberg, (FI).

Abruzzi e Molise

Ad sepes, Silvi marina, vii.1941, Zodda, (BI).
 Teramo alla Rischiera, viii.1948, Zodda, (BI).

Campania

In humentibus Campaniae, Marcianise, vi.1871, Terraccino, (FI).
 In sylvaticis humentibus Campaniae Pontammare, v.1872,
 Terraccino, (FI).
 In dumetis humentibus Campaniae, Pandano di Mindurno, vi.1874,
 Terraccino, (FI).
 Siepi presso Licola-Napoli, 26.viii.1891, herb. Biondi, (FI).

Puglia

Paludi di Gallipoli, vi.1883, H. Groves, (FI; sub Con. sylvaticus).
 Da S. Nicandro al Lago di Lesina, 19.v.1893, U. Martelli, (FI).
 Palude presso Masseria Pauccio (Lecce), 25.vi.1953, Ruggio Giulia,
 (BI).

Basilicata

Pontoni di Pignola, viii.1921, herb. Gavioli, 9895, (FI).

Sicilia

Palermo, 1845, ex legato Alexander Prior, (K).
 In fruticetis maritimis Siciliae, c.1850, Mrs. Neville, (MANCH).
 In fruticetis humidis submaritimis (Siracusa ai Pantani), v-vi.
 da Bianca 1861, (FI).
 Pantano di Lentini, 8.v.1898, Gara, (CAT).
 Pachino, Lago Iasonello, 26.v.1898, Lapriori, (CAT).
 Lentini di Biviere, 29.vi.1898, Gara, (CAT).
 In fruticetis maritimis Siciliae, herb. Prof. Gasparini, (CAE).
 In dumetis humentibus, Palermo, Todaro, (W).
 Catania, v-vi., Tornabene, (CAT).

Sardegna

Contorni di Tortoli, 23.v.1894, U. Martelli, (FI).

Italy, others

In dumetis Fresaro Agriam, Tenore misit 1830, herb. Gay, (K).
 Vilucchione, Borgo S.M., vii.1909, herb. Santarelli, (BI).
 Cordoso, 1912, Santarelli, (BI).
 Sponde erbose tra P.S. Quirico et P. S. Pietro, 4.vi.1920,
 Santarelli, (BI).
 Sponde erbose destra tra P.S. Quirico e P. a Moriano, 4.vi.1920,
 (BI).
 Cordoso, Versilia, 1922, Santarelli, (BI).

Ad sepes, Scerne di Pineto, ix.1948, Zodda, (BI).
In silvaticis, Roseta, vi.1949, Zodda, (BI).

SAN MARINO

Serravalle, 24.vi.1912, R. Pampanini, 2535, (FI).

JUGOSLAVIA

Slovenija

... Schlapfen bei Marburg, 22.vi.1903, Hayek, (GB).
Carniolia, in sepibus et dumetis prope Labacum, S.argilloso,
300 m.s.m., A. Paulin, Flora Exsiccata Carniolica 696,
(GB, LIVU).

Hvratska

An Guibun (?) b. Ogulin, 1856, herb. Dr. Jos. Calas Schlosser, (W).
Is. Selve, vi.1879, C. Marchesetti, (FI).
Istrien ... in val Randon bei Pola, 9.vii.1900, v. Hayek, (GB).
Austria littoralis, in dumetis prope litus occidentale insulae
Iussina, 5.vi.1911, Hermann Bessel Hagen, (MA).

Bosna i Hercegovina

Hercegovina, Buna, 11.vii.1889, S.Murbeck, (UPS).
Mostar, 19.vii.1911, herb. General J. Schneider, (W).

Srbija

Ad sepes circa Vranje, solo argill., vii.1896, Adamovic, (W).

Crna Gora

Plavnica, 16.vii.1886, Dr. Ign. de Szyszyłowicz, (W).
Zuna, Cattaro, 6.viii.1905, herb. General J. Schneider, (W).

Makedonija

Scardus gb. Albanien, herb. General J. Schneider, (W).

ALBANIA

Kuci, 1.vi.1918, herb. General J. Schneider, (W).
Tirana, 30.vii.1918, herb. General J. Schneider, (W).
Durazzo, 27.viii.1918, herb. General J. Schneider, (W).

ROMANIA

- ... Bazias, 14.viii.1844, Wierzbicki, herb. W.D.J. Koch, (L;
sub Con. sepium var. parviflora mihi).
- Babadagh i/d Dobrudscha, am lac. Sinoe bei Viaranasieb,
Turkei, 12.ix.1874, Gebr. Sintenis, 309, (K, P).
- Dobrudscha, bei Rasova, 1892, v. Lorenz, (W; sub C. sylvestris).
- In dumetis Transsilvan, Dr. Schur, (L).
- (mixed locaties) Horetsche, Ocina, Costeschtje, Sereth, Suczawa, (W).
- Bords de la Berlad (Distr. Berlad), vii.1874, Dr. Brandza, 207
bis, (P).

BULGARIA

- In nemorosis ad Sadovo, vii.1897, V. Stribrny, (E).
- In nemorosis ad Sadovo, vi.1898, V. Stribrny, (P).
- In dumosis ad Sadovo, viii.1902, V. Stribrny, (E).
- Cap Emine, vii.1928, Tad. Wisniewski, Exp. sc. polonaise Orbis,
586, (K).

GREECEThraki

- Buyuk Osmanli, grassy places and marsh near sea (now dry), 29.vii.
1930, H. G. Tedd, 523, (K).
- Near Karaghenzlen, alt.50, 28.vi.1936, H. G. Tedd, 1822, (K).

Makedhonia

- In dumetis ad Thessalonica, vi.1901, Adamovic, (W; sub Con.
silvaticus W.K.).
- Salonik, Friedrichsthal, hb. Maced. 912, (W).
- Great Karaburun, about 4 miles S. of Salonica, 19.viii.1918,
Colley & Kench, (BM).

Ipiros

- Preveza ad oras palvdum, 31.vii.1879, A. Letourneux, (P; sub
Ipomaea).
- Janina, c. 1930, F. Guiol, (BM; det. C. sylvestris, A. F. Hales,
1956).
- Ad lacum Janina, vi-vii.1929, F. Guiol, 1083, (BM; sub Con.
silvaticus).

Sterea Ellas

Attika. In maritimis ad Phalerum, Dr. Carl Fraas, Prof. der
Universitat Athen 1834-42, (M).

Athenae ad Phalerum in juncetis, C. Haussknecht, Iter Graecum
1885, (BM, E; sub Con. silvatica W.K.).

Mt. Parnes, Kithara, 18.vi.1929, F. Guiol, 447, (BM, UPS).

In Atticae locis humidis ad Cephissum, De Heldreich, plantae
exsiccatae e Gracia, (K; sub C. silvatica).

Evvoia. In Euboea septentrionali pr. Kurbatzi, A. Wild, donavit
1874, (Hal).

Insula Euboea centralis, in planitie litorea inter Chalkis et Nea
Artaki, 27.vi.1958, K. H. Rechinger, Iter Graecum IX, 19114,
(LIVU, MO).

Kikladhes

In insula Mykonos ad portum Myrsine, 27.vii.1901, De Heldreich
plantae exsicc. Florae Hellenicae, (Hal).

UNION OF SOVIET SOCIALIST REPUBLICSKarelskaya

Karelia australis, St. Johannes, 1880, H. F. Olsoni, (MA).

Estonskaya

Estland, Kv. Wrek, Parkwald auf der Insel Pricht bei Werder,
8-21.viii.1904, K. R. Kupffer, Herbarium Balticum 20247, (GB).

Insel Dago, at the village Manspea, in a nearly dry Phragmites-
swamp, 17.vii.1939, Johs. Grontved, 1933, (C, US).

Latviyskaya

Kurland, Weidengebusch am Ufer der Windau bei Jakobing zw.
Niegranden u. Lehen, 16-29.vii.1908, K. R. Kupffer, Herbarium
Balticum 23484, (GB).

Belo Russkaya

Wojnow, distr. Nowogrodek, W. gaju olchowym, Zebr., 27.vii.1893,
W. Dybowski, Dr. E. Woloszczak, Flora Polonica exsiccata, 460,
(E, GB, W).

Ukrainskaya

Tauria, Simferopol, 1812, Chr. Steven, (H).

Walhynien Im Ufergebusch der Turya bei Guszyn noralb von Komel,
4.viii.1918, Hayek, (GB).

In fruticetis ad ripas fluminis Skawinka prope Brody, distr.
Wadowice, 11.vii.1931, J. Trela, (US).

Tauria, Sudak, Steven, (H).
 Tauria (Krim)?, (H).
 E. Tauria, herb. Tierartzl, (M).

Rossiya

Stalingrad. Sarepta, in humidis montium famibus, 24.vi.1877,
 A. Becker, Plantae Astrachanicae, (BM).
 Fl. Sarept., Becker, (BR).
 Sarepta, Regal, (W).
Tambov. Ad margines silvarum humidarum ad ripam Fl. Tzna prope
 u. Tambow, Fl. 30.vii., Fr. 26.ix.1899, J. Schirajewsky, herb.
 Florae Rossicae a Mus. Bot. Acad. Imper. Sc. Petropolitanae ed.
 Fasc. XV, 728, (C, H, K, W).
Krasnodar. (translit.) Ekaterinodar, A. R. Iadovaia, Plantae
 Caucasicae, (K).
Rostov. Novotcherkassk, 9.vii.1920, M. Kraiuvuna, (NY).

Orenburgskaya

Orenburg, a sud dei Monti Urali, Prince Droutsky, (FI; sub Con.
arvensis).

Armyanskaya

Pag. Migri (Megri), in vineis, 29.v.1934, I. Karjagin, (NY).

Azerbaydzhanskaya

Caucasus, Hohenacker, (US).

Turkmenskaya

... v. Kuldscha, 30.v.1877, A. Regel, Iter Turkestanicum, (K).
 Oasis de Baguir chez les Achal-Tekkes au N.O. d Askabad, 12.vii.
 1886, M. Capus, 2nd voyage 1886-87, (P).
 Turcomania, pr. Ashabad, ad fl. Ashabaden, 20.viii.1897, D.Litwinow,
 Herb. Inst. Bot. Acad. Sc. URSS, 1638, (W).
 Aschabad, in arundinetis prope pagum Koksche, 26.ix.1900, P.Sintenis,
 Iter transcaspico-persicum 1900-1900, 1239, (BM, E, K, W).

Kazakhskaya

Desertorum Aralense, regio fluvio Ssyrdarja, 9.viii.1858,
 E. Borszezow, Exped. Acad. Sc. Petrop., 858, (BM).
 (Translit.) Aktiubinskaia gub. Bass. r. Khobdy,, 5.vii.1926,
 M.M. Iltsn & M.H. Aeramchtsk, Kazakstanskaia Ekspeditsiia
 Akademii Nauk 1927, 562, (US).
 Kirgis Steppe, herb. Steven, (H).

Tyumenskaya Oblast'

Sibiria occidentalis, in viciniis oppidi Tobolsk,, 17.ub.1907,
Mameev, Herb. Inst. Bot. Acad. Sc. URSS, 358, (US).
Sibiria inter fl. Ob & Yenisey, Stanislawsky, comm. Dr. Woloszczak,
(W).

Tomskaya Oblast'.

Plantae gub. Tomsk,, 14.viii.1911, N.I. Kuznezow, (BM).
In fruticeto in prato prope opp. Kolywan, 18.viii.1916, P. E.
Svinhupud, (H).
Distr. Tomsk, prope pag. Gorbunovo, in Pruticetis, Plantae
Sibiricae Exsicatae, det. Sergievskaja, (NY).

Russia others, or? CHINA

Songaria, ad Fl. Ajagus (Kuk-urum) 11.vi.1840, Schrenk, (MANCH).
Ad Fl. Dzhisdy-Kingir, 17.vii.1842, (? Schrenk), (UPS).
Songaria, Schrenk, ex herb. Hort. Petrop., (W).
Altai, Turb.(?), (W).
Hinfer nidio v. Kuldsha, 30.v.1877, A. Regel, Iter Turkestanicum,
(K).

TURKEY

The only Turkish localities given by Boissier (18) are
Byzantium and Northern Anatolia. Only two specimens have been
seen from Asia Minor, one from the north coast and one from the
south some 100 km inland. The latter has a conspicuous leaf
shape similar to plants from Palestine (p.).

Turkey in Europe

Istanbul. Bosphorus vid Bujukdire i hackarna, F. Berggren, (UPS).

Turkey in Asia

Kastamonu. Paphlagonia, Wilajet Kastambuli, Tonia, Tashepni-
Getscherdi, ad versuras, 17.vi.1892, P. Sintenis, Iter Orientale
1892, 4275, (FI, MANCH, W).
Gaziantep. In sepibus u. Aintab, alt. 1000 ped., 10.vi.1865,
C. Haussknecht, Iter Syriaco-Armeniacum 1865, (W).

CYPRUS

Akhiropiitos, Karavas, weed on Rubus and on Arundo donax in wet
places, 31.vii.1936, A. Syngrossides, (K).

Just before Ayios Thyrsos from Yialousa, 100 yards away from the sea, by a bridge in running or stagnant waters, on Rubus, 29.vi.1937, A. Syngrossides, (K).
Zakaki marshes, viii.1943, G. A. Mavromoustakis, 7, (K).

PALESTINE (ISRAEL or JORDAN or SYRIA)

Climbing high on bushes and trees near water, Zemmarin Station, 24.v.1920, Fred. S. Meyers & J. E. Dinsmore, *Plantae Palestinae Saronae*, 1872, (E).
Thicket, Isitami river, 18.ix.1924, J. E. Dinsmore, (K; sub *Ipomaea sagittata*).
Wet places, Birkat Ramadan, 7.viii.1935, J. E. Dinsmore, *Plantae Palaestinae Borealis* 3872, (GB).

IRAN

Im Gestrauch am See von Kasrun, 16.vi.1885, Stapf, *Iter Persicum* 378, (K, W; atypical in having hairy stem, particularly apex).
Province of Luristan, Dorud, climbing in thicket, 7.vi.1941, Walter N. Koelz, 18110, (W).

AFGHANISTAN

Takia, 4500 ft., damp places, 12.viii.1937, Walter Koelz, 13088, (E, US).
Doao, along stream, climbing 10 ft., white fir. tinged rose, 5000 ft., 23.viii.1939, Walter Koelz, 13535, (W).

CANADA

Newfoundland

St. Johns, 1928, A.M. Ayre, (GH).
St. John's, along fence of pasture, 16.viii.1949, J. Green, 1619, (DAO).

Nova Scotia

Yarmouth, Yarmouth Co., 24.vii.1920, Long & Linder, 22326, (GH).
Cape Breton Co., abundant roadside weed, North Sydney, viii.1951, E. C. Smith, W. B. Schofield, D.R. Sampson & F.C. Bent, 5402, (DAO).

U.S.A. (introduced)Pennsylvania

Meadows, opposite Wilkesbarre, 13.ix.1871, J. H. Redfield, (MO).
Roadsides, Montgomery Co., 12.vi.1887, herb. Alex McElwee, (PH).
Lehigh Co., fallow area 1 mile s.w. of Center Square, Allentown,
28.vi.1958, R. L. Schaeffer, jr., 56976, (PH).

SPAINMadrid

Aranjuez, 25.v.1934, M.L. Figueiras (MA).

FRANCE.Ile de France.

Viarmes, marais du Lys ou dela de l'abbaye de Royaumont, oseraie,
3.viii.1902, Boudir, herb. Jeanpert (F).

Viarmes, 10.x.1913, Jeanpert, Plantes de France, Environs de Paris, (F).

Guyenne.

Gironde. Quai de Carriet, entre Lormont et les appontements de
Bassens, 19.x.1920, E.J. Neyraut, (MPU).

Bearn.

Basses-Pyrenees. St.-Jean-Pied-de-Port, route de St.Michel,
14.viii.1900, E.J. Neyraut, (MPU).

Gascogne ?

Pyrenees centrales, Castelvisil, 18.viii 1856, J-E.Zetterstedt, (UPS).

Foix.

Ariege. A. Erce, 3.ix.1823, herb J.Gay, (K).

GREAT BRITAIN.

3. South Devon. Waste around, Totnes, pale pink with paler midrib,
S.M. Walters, 57/55.

6. N.Somerset. Trailing over brambles on ditch bank in field between
Tickenham and Nailsea, 13.ix.1944. C.I.Sandwith,
(herb. Sandwith).

Newchurch, 22.ix.1845, herb.C.C.Eabington, (CGE).

11/12. Hampshire. In profusion climbing ober bushes close to Gower Station
towards the fort, in grasses, rough ground, looking
wild, ix.1925, Mrs Walker, (EM).

15. East Kent. Lydd, 21.vii.1955. D.A. Webb, (CGE).

17. Surrey. Among herbage by the Beverley Brook south of Wimbledon
Common, plentiful, 23.viii.1911, C.E.Britton, 426 (K).
Lane by Stoke Wood, near Chessington, 3.ix.1916, C.E.
Britton, 1721. (K).

Chilmead Farm, in a hedge, Redhill, 10.ix.1916. J.Fraser,
(K.sub *C. sepium* 6. rosea DC).

Elstead. 25.vii.1920. C.H.Ostenfeld, (C;sub Con sepium
var. coloratus).

Hedgerow near Wisley, 25.vi.1922, W.B. Turrill, (K).

Hedge, border of Westend Common, Esher, 26.ix.1926, C.E.
Britton, 2978 (K; as Con sepium F. coloratus).

In hedge row, Leith Hill, 6.ix.1936, Ellys T.Moldenke
and Harold N.Moldenke, 9257, (NY).

Corner of Rushett Lane, Chessington, with other garden plants, 31.vii.1958, B. Welch, (BM). 734

Near Redhill, hedge on bank of stream between Nutfield and Bletchingley, 51/312514, 1b.viii.1960, B.A. Kneller, (LIVU) (LIVU).

18. South Essex. West Hanningfield, roadside, 10-11, x.1953, S.T.Jermyn, 49. (BM).
27. East Norfolk. By the junction of the Rivers Bure and Ant, common by the Ant. 1.ix.1937, J.P.M.Brenan, 3907, (K).
Barton Broad, S.end, in open space in alter-willow carr, climbing up Epilobium and Phragmites, 12.vii.1951. V.S. Summerhayes, 2431, (K).
29. Cambridgeshire. Chatteris, Little Acre fen drove, 24.vii.1881. A.Fryer, (MANCH).
Wicken fen, viii.1894. I.H.Burkhill, (K.sub C.sepium var ~~rosa~~ coloratus
On bank of Wicken Lode, Sedge Fen side, at junction with Moul's Lode, Wicken. 9.vii.1957. S.M. Walters, (CGE).
Wicken Fen, beside main lode near Advent Fen junction, 20.vii.1957, Ann Martin, (CGE).
Milner Whites Fen, Wicken Fen, 11.x.1957. S.M.Walters (CGE).
Carr. Wicken Fen. 3.x.1961. P.O. Sell. 61/753, (CGE).
31. Huntingdonshire. Yaxley, more abundant along the fen dykes at Hod Fen than the white flowered form, 31.vii.1956, J.L. Gilbert (K).
Wood Walton Fen, with white flowered form, 9.x.1957.S.M. Walters (CGE).
34. West Gloucestershire. Bank by a ditch on roadside between Wickwar and Chipping Sodbury, 21.vi.1952, C.I. Sandwith (herb Sandwith).
54. North Lincolnshire. Waste ground, Crowle Station North, viii.1956, J. Gibbons, (CGE).
56. Nottinghamshire. Caunton, 5 miles N.W. of Newark, roadside not near a house, 43/7360, 25.viii,1960, RCL.Howitt (LIVU).
Elkesley, c. 6 miles north-east of Ollerton, 15.ix.1961, R.C.L. Howitt (LIVU).
Upton, 15.ix.1961, R.C.L. Howitt, (LIVU).

IRELAND, REPUBLIC OF

- H.25. Roscommon. S. of Elphin, 10.ix.1955. D.A. Webb (CGE).
- H. Longford. On shingle by river nr. Lamium album, Ballymahon, 04/22, 12.vii.1962. A.P. Conolly (LTR).

Zuid Holland.

- Om Dordrecht, viii.1838, herb. Oudemans, (L).
 Halfweg Haarlem an Leiden, viii.1840.B.W., (L).
 By Lisse aan den weg naar Duin, viii.1840, Molke, (L; sub *Con. sepium b.striatum* L.).
 Bij de brug over de Oude Maas, 11.vi.1938, Jansen & Wachter, (L).
 In een heg langs de Kralingsche Plaslaan te Rotterdam, 16.viii.1942. herb. N.P.W. Balke, (L).
 Noorden, wegrand, in heg, 6.viii.1945, S.J.van Ooststroom, 7916 (L).
 Heemstede, Ruysdaellaen, zuigh enhile except., R.C. Bakhuizen van den Brink, 6605, Herb. van Ooststroom 11021, (L).
 Noordwijk aan Zee, aan de zuidzijde van het dorp, aan wegrand, liggend tusse het gros, 15.ix.1951, S.J.van Ooststroom, 15546, (L).
 By Dordrecht, Vande Lacorze, (L).
 Yselmonde, (L).

Noord Holland.

- By Halfweg Haarlem, vii.1840. W.L. (L).
 Aenser Velserend (?) in an heg, 29.ix.1869, (L)

Gelderland.

- Huize Duckenburg bij Nynnyz (?), 10.viii.1865, Th.H.A.J.Abeleven, 670, (L).
 Nunspeet, bij de markt, in een heg, 6-27.ix.1912, W.C. v. Embden, (L; sub *Con.sepium* var. *sylvestris*).
 Hatert, Duckenburg, 3.viii.1926. (L).

Friesland.

-en Hardegarijp, vii.1902, Ch.C. (L).
 Terrein Natuurmonument s.n. van Hardegarijp, 6.vii.1930., herb D.Keopmans-Forstmann & A.N. Koopmans, 1930.449. (L).
 Aan de Zuidzijd van de Smalle Eeaster Zanding, 20.viii.1956. G.Kruseman & H.T. Waterbolk, herb. van Ooststroom 19718, (L).
 Tusse Wolvega en Hesse (gem Weststellingwerf) in de Lindevallei; in *Salix cinerea* bosjes 16.vii.1959. S.J. van Ooststroom & Th.J.Reichgelt, herb. van Ooststroom 21546, (L).

Netherlands. Others.

- Kopvant Land in grienden, vii.1915. A.W. Kloos jr., (L).
 Wychensche veen, 24.vii.1919. A.W.Kloos jr., (L).
 Oegstgeest, Boonstraat, in een heg, 31.viii.1945, S.J.van.Ooststroom, 8001, (L).
 Natuurreservaat De Weerribben (gem. Oldemarkt), 15.vii.1959, exc. K.N.B.V. (Unio). herb. van Ooststroom 21532, (L).

Cultivated.

Hortus bot. Monacensis, 1891 (M; sub C.dahurica Fisch).

Breman.

In sepibus prope Vegesack, 1790, Roth, herb. Schreber. (M).

Schleswig-Holstein.

Lauenb. (Lauenburg), 1821, (C).

Holstein, Kiel, Neumuhlen, 3.viii.1893, H.G. Simmons(C.sub Con. sepium b. coloratus).

Zamn an der Apenrader Chausse bei Flensburg Heberhaupt sehr kaufig an Zaunen und in Gebuschen an der Flensburger Fohrde Z.B. massenhaft bei Luderholt auch mitt nicht selten in Binnenlande, v.111.1913. C.Bock. (S. sub Con.sepium f. coloratus).

Mecklenburg

Ahrenshoop, 14.ix.1960. Rothmaler (GFW; holotype of sub sp.baltica Rothm).

DENMARK.

Jylland.

Sonderburg. Sonder ved Sonderhav, Flensborg Fjord, distr.52, 7.viii.1923, C.H. Ostenfeld, (C; sub var coloratus; det, var. americana, N. Hylander 1949.).

Fyn.

Svendborg.

Giarden ved Svendborg, 15 & 18 v.iii.1848, herb. Joh.Lange, (C; as Con.sepium cor. rosea).
O. Svenborg, viii 1868. T.B. Fleoster (?) (L.O; sub.var coloratus; det var. americana, N.Hylander, 1949).
Vester Skjerninge, 25 viii.1894. H.G. Simmons, (GB. sub.var coloratus).
Bjornmose v. Svendborg, 3 vii.1925, Sven Andersen, (C; sub var. major; det. var americana, N.Hylander 1949).
Taasinge, ved Striove Gadekeer. d.32.16 viii.1951
K.Wiinstedt, (C. sub var americanus).

Lolland.

Maribo.

Borgo; Maribo Go, 3.viii. 1884, herb Joh.Lange, (C; sub var coloratus).

Denmark. Others.

Schott.12 viii.1854. E.Rostrup.(C.sub.var coloratus Lange

C. sepium subsp. roseata Brummitt, ined.IRELAND, REPUBLIC OF

- H 1. South Kerry. Darrynane, 1906, (OXF).
Darrynane, 29.viii.1957, D. A. Webb, (TCD).
Waterville, hedgerow, abundant, 28.viii.1960, M. McCallum Webster, 2783, (LIVU).
- H 3. West Cork. West of Castletown Berehaven, 18.ix.1859, Mall, (K).
- H 8. Limerick. Near Foynes, viii.1906, C. G. O'Brien, (DBN).
Glin, climbing over Rubus at top of salt marsh on Shannon estuary, by village centre, close to white-flowered plants, 21.viii.1961, R. K. Brummitt, 1235, (LIVU).
- H 9. Clare. Near Knock, 22.viii.1844, (E).
Near Ballyvaughan, 23.viii.1854, herb, A. W. Bennett, (BM).
E. of Ballyvaughan, 30.viii.1957, D. A. Webb, (TCD).
Roadside north of Ballyvaughan, 93/28, 6.vii.1962, A. P. Conolly, (LTR).
- H 15. South East Galway. Near Kinvarra, 13 or 20.viii.1958, D. A. Webb, (TCD; sub C. sepium x dahurica).
- H 16. West Galway. Benoyle House, Galway, viii.1831, herb, R. J. Shuttleworth, (BM).
Near Clifden, 9.viii.1838, (E).
Waste ground on farmland approx. half a mile to the east of Clifden, 26.viii.1957, R. Lewis, (LIVU).
Bushy Park, near Galway, climbing on Rubus at roadside on road to Clifden, about 2½ miles from the sea, 19.ix.1960, R. K. Brummitt, 60.775, (LIVU).
Killary Harbour, by Youth Hostel, about 7 miles west of Leenane, 50 yards from sea, 707605, 21.ix.1960, R. K. Brummitt, 60.783, (LIVU).
Moyard, near Letterfrack, top of small salt marsh on Ballynakill Harbour, opposite Moyard Post Office, 22.ix.1960, R. K. Brummitt, 60.794, (LIVU).
Clifden, waste ground opposite church, town centre, ¼ mile from head of Clifden Bay, 22.ix.1960, R. K. Brummitt, 60.796, (LIVU).
Streamstown Bay, 2 miles north of Clifden, by bridge where stream runs into head of Bay, 22.ix.1960, R. K. Brummitt, 60.799, (LIVU).
Clifden, covering steep bank at top of shore of Clifden Bay, ½ mile west of town, 23.ix.1960, R. K. Brummitt, 60.805, (LIVU).
Lettermullan, Gorumna Island, on Rubus by dry-stone wall near An Oige, 50 m. from sea, 22.viii.1961. R. K. Brummitt, 61.1323, (LIVU).

- H 20. Wicklow. Pennycomequick Bridge, 30.vii.1953, D. A. Webb, (TCD).
 H 29. Leitrim. Among bushes, E. end of L. Gill, vii.1934, Ll. Praeger, (DBN).
 H 35. West Donegal. Mountcharles, viii.1933, R.Ll. Praeger, (DBN).
 South of Ardara, 25.viii.1952, D. A. Webb, (TCD; sub C.sylvatica).
 Hedge N. of Killybegs, 26.viii.1952, S. M. Walters, 52.309, (CGE).
 North of Killybegs, 26.viii.1952, D. A. Webb, (TCD; sub C.sylvatica).
 Ardara, 3.viii.1953, D. A. Webb, (TCD, LTR; sub C.sylvatica).
 Fintragh, near Killybegs, viii.1955, H. P. Miller, (CGE).
 In masses in hedges etc. N. & NE. of Killybegs, viii.1957, D. McClintock, (TCD).
 1½ miles south of Ardara, ditch banks and hedges, 27.viii.1961, R. K. Brummitt, 61.1421, (LIVU).
 ½ mile east of Ardara, roadside hedge, 27.viii.1961, R. K. Brummitt, 61.1422, (LIVU).

GREAT BRITAIN

England

1. West Cornwall. Penzance, ix.1832, (OXF; det. ? C.dahurica, S.M.W.).
 Cadgwith, 1920, Miss Todd, (OXF).
 Hedgerow near Penzance, viii.1957, C.West, (CGE).
 10. Isle of Wight. Brook, ix. 1929, E. H. Drabble, (BM).
 29. Cambridgeshire. Swavesey, 1850, herb. C. C. Babington, (CGE; det. ? C.dahurica, S.M.W.).
 Near Cambridge, Charles C. Babington, (UPS).
 59. South Lancashire. Hale, 3 miles south-west of Widnes, among grasses just above estuarine shore of R. Mersey, north-west of lighthouse, 33/465813, (white C.sepium common nearby), 24.viii.1959, R.K. Brummitt, 59.634, (LIVU).
 Hale, 3 miles south-west of Widnes, among grasses just above estuarine shore of R. Mersey, south-east of lighthouse, 33/475809, 24.viii.1959, R. K. Brummitt, 59.641, (LIVU).
 70. Cumberland. Egremont-Cleator, hedgerow just past the road junction of the Cleator road off the A.595, c. 3 miles from the sea, 2.viii.1961 Anne Martin and Peter E. Gibbs, 61.988, (LIVU).

Northern Ireland

- H 39. Antrim. Hedge by roadside, Rathlin Island, 10.vi.1946, E. Duffy, (LTR).
 Rocky ground in Rathlin, (DBN).

Wales

41. Glamorgan. Between Swansea and Crymlyn Burrows, 15.viii.1840, herb. C. C. Babington, (CGE).
Roadside between Neath and Swansea, 16.viii.1848, (BM).
47. Montgomeryshire. Found on the road from Aberystwyth to Machynlleth, about 3 miles from the latter, a single plant, vi.1806, herb. Sowerby, (BM).
48. Merionethshire. Minffordd, hedgerow, 20.vii.1955, E. K. Horwood, (LTR).
Hedge, Llanegryn, near Towyn, 6.viii.1955, V. Gordon, (herb. V.Gordon).
Hedge on small bank beside main road by junction with the Llanegryn village, near Towyn, 7.viii.1958, R. K. Brummitt, 58.113. (LIVU).
Near Arthog, on *Phragmites communis* where path crosses railway line, south side of Mawddach Estuary, (white flowered plants 100 m. away), 23/637144, 24.ix.1959, R. K. Brummitt, P. M. Benoit et al., 59.807, (LIVU).
Near Towyn, climbing on *Urtica*, *Rubus*, *Cirsium*, *Rosa* etc., beside road from Llanegryn to Tonfanau overlooking Afon Dysynni Estuary, 24.ix.1959, J. A. Ratter, J. Cullen and R. K. Brummitt, 59.815, (LIVU).
By railway embankment E. of Llynystunllyn Fen north of Black Rock Halt, 1½ miles E. of Criccieth, 23/527382, A. P. Conolly and A. O. Chater, 6.vii.1961, (LTR).
By salt marsh ½ mile south of Minfford, 2 miles east of Portmadoc, 23/600379, 7.vii.1961, A. P. Conolly and A. O. Chater, 4819, (LIVU, LTR).
Amongst grasses, *Carex pairae*: etc. in the main goods yard at Penrhyndeudraeth railway station, 3 miles E. of Portmadoc, 23/613338, 7.vii.1961, A. O. Chater, 4812, (LTR).
Sand dunes, Morfa Dyffryn, 5 miles north-west of Barmouth, climbing on *Ammophila arenaria* on pure sand, 23.570227, 10.viii.1961, P. W. Ball, R. K. Brummitt, P. E. Gibbs and Anne Martin, 61.1626, (LIVU).
49. Caernarvonshire. Roadside near Pontaberglaslyn, 10.ix.1849, herb. A. W. Salmon, (BM).
Llandudno Junction, rhizomes between rocks of sloping sea wall by railway siding above salt marsh and among loose overlying drift, aerial shoots climbing on *Rubus*, *Beta*, some growing among *Agropyron* at top of salt marsh, 32/802773, ix.1958, J. M. Brummitt jr., (LIVU; sub *C.dahurica*).
Llandudno Junction, top of salt marsh, 23/802773, 4.vii.1959, R. K. Brummitt, 59.419, (LIVU).

Scotland

72. Dumfriesshire. (?) Near Dumfries, ix.1838, herb.
J. H. Balfour, (E).
73. Kirkcudbrightshire. Near Creetown, 17.viii.1842, (E).
74. Wigtownshire. Near Sandhills and Garlieston, viii.1930,
G. C. Druce, (OXF).
100. Buteshire. Lamlash, Arran, viii.1850, (E).
Arran, 1928, G. Forrest jnr., (W).

NETHERLANDS

Only one specimen seen appears to be 'true' subsp. roseata.
See also p.

Zeeland

Zoutelande, basaltgloviring, 2.viii.1958, A. de Visser, (L).

SWEDENMalmöhus

Mellan Lerhamn och Nyhamnslage, 18.vii.1949, C. A. Toren, (UPS;
sub C.sepium var. americana).

Brunnby sn, på strandvallen mellan Lerhamn och Nyhamnslage, bland
slanbuskar, 22.vii.1949, C. A. Toren, (LO; sub C.sepium var.
americana).

Halland

Saro, vid Snackstranden, 1860, K. Fr. Thedenius, (UPS).

Saro, vii.1894, Eric Belfrage, (GB; sub Con. septum var. coloratus;
det. C. sepium var. americana, N. Hylander 1948).

Slap Saro, vii.1894, Axel. J. L. Liljedahl, (GB; sub Con. sepium
var. coloratus; det. C. sepium var. americana, R. K. Brummitt,
18.viii.1959).

Goteborg och Bohuslan

- Goteborgs skarg., Hono, viii.1871, H. Thedenius, (UPS).
 Askinis Skintebo (?), viii.1875, N. A. Johanson, (GB).
 Qville, vii.1892, Hugo Uddgren, (GB).
 Orust, Notviken, 1906, W. Jonson, (GB; sub Con. sepium coloratus; det. C. sepium var. americana, N. Hylander 1948).
 In sepibus prope Fjallbacka, viii.1910, E. Almqvist, Habarium Normale editum ab I. Dorfler 5297, (BM, C,E,F, GB, H, LD,M,MANCH, P,W; sub C. sepium f. colorata (Lange) Dorfler; det. C. sepium var. americana, N. Hylander 1948 at GB).
 Goteborg, Foto vid Fotosund, i ett Prunus spinosa bestand, vii.1911, Ernst Hjertman, (GB; sub Con. sepium f. coloratus; det. C. sepium var. americana, R. K. Brummitt 18.viii.1959).
 Goteborg, Foto nasa Fotosund, vii.1913, Ernst Hjertman, (LO; sub C. sepium var. colorata; det. C. sepium var. americana ovanlist lurka form N. Hylander 1949).
 Bohuslan, Uddevalla, Bodile, 17.vii.1917, Anders Holmertz, (GB, LO; sub C. sepium var. colorata; det. C. sepium var. americana, N. Hylander 1948).
 Uddevalla, Bodile, 15.vii.1920, Anders Holmerz, (LD; sub C. sepium var. colorata; det. C. sepium var. americana, N. Hylander 1949).
 Uddevalla, lelanghamns bangard, 13.viii.1924, Ragnar Ohlsen, (GB; sub C. sepium var. colorata; det. C. sepium var. americana, N. Hylander 1948).
 Boh., Tassene sin, Klef, viii.1927, J. E. Palmer, (GB; sub Con. sepium var. colorata; det. C. sepium var. americana, N. Hylander 1948).
 Boh., Uddevalla, Bodile, ix.1927, J. E. Palmer, (MA, US; sub C. sepium var. colorata).
 Bohuslan, Morlanda socken, soder om Edshultshall vid Kuben, 28.vii.1942, Folke Lundberg, (GB; sub C. sepium var. americana).
 Bohuslan, Uddevalla socken: Bado, 15.viii.1943, Folke Lundberg, (GB; sub C. sepium var. americana).
 Bohuslan, Uddevalla, ruderatplats vid slakhuset, 29.vii.1949, Harald Fries, (GB, LD, UPS: sub C. sepium var. americana).
 Stranden ad Mjorn Buslaget Astad sn., Vastergotland, vii.1950, Stellan Holmdahl, (GB; sub C. sylvestris; det. C. sepium var. americana, C. Blom 1959).

NORWAYAkershus

- Christiana, in litoribus, 31.vii.1857, A. Blytt, (F).
 Ved Kristiana, 1889, K. Petersen, (W).
 Aker nd. Bygdo, 1908, Even Traetteberg, (LTR).
 Kristiana, Bygdo, 31.viii.1920, Hayek, (GB; sub C. sepium var.
rosea Choisy).
 Barum, snaraya, 22.viii.1924, H. Resvoll-Holmsen, (LD).

Buskerud

- Drammen, fl. Sund (?), herb. M. Christ., (L).

Rogaland

- Narstrand i Ryfylka, vii.1891, O. A. Hoffstad, (LD, S).

Norway, others.

- Baklag, viii.1889, N. Moe, (S).

SPAINPontevedra

- Peninsula El Grove, 4.vii.1930, Hans Buch, (H).

PORTUGALDouro Littoral

- Oporto, 1855 S n (UPS).

AUSTRALIA.

743

Junction of the Grose with the Hawkesbury, N.S. Wales, 1803.

Caley (BM. UPS).

Port Jackson, in dumetis, (1801-05), Ferd Bauer, 316 (W).

Nouvelle Hollande occidentale, R. des cygnes (Swan-river), 1844,
Drummond, 219 (P.W.)

Bryghton, Tasmanie, i. 1844, M. Verreaux, 2793 (P).

S. Aust. 1893, R. Tate, (MANCH).

Ad Phragmitetum vulgarum Linkii, Murray River, S.A., Carl Wilhelm,
(BR).

Victoria, C.W., (W).

Near Melbourne, (W).

Austral. felix, Frd. Muller (BR, F, P, W, UPS; det C. rosea Phil., Hallier f.)

Australasia, Preiss, 1926, (W).

Nova Hollandia, Caley, herb. Maille (W).

Nov. Holland meridional, Plantae Mullerianae (W).

N. Holl. detv. de Bass (P).

NEW ZEALAND.

Baie des iles, Nord N. Zelande, Janvier, Voy, Astrola,
Couval 148, herb. Richard (P).

Auckland, T.F.C. (Cheeseman) (FI).

South Island, herb. T. Kirk (F. Mo).

Nov. Zeland, J.D. Hooker (FI, P, W).

C. sepium subsp. roseata Brummitt, ined.

var. chilleana Brummitt ined.

EASTER ISLAND

Rano Aroi, i Kratern, c. 400 msm, 25.vi.1917, Carl o Inga Skottsberg, (GB; no flowers).

Easter Island, 1929, Balfour, Williamson & Co., H1685, (K).

Rano Kao Crater, alt. 460 ft., 17.i.1935, J. C. Chapin, 1029, (NY).

CHILE

Valparaiso

Valparaiso, recd. 1914, Miss Agnes Calvert, (BM).

Valparaiso, i.1920, Bro. Claude-Joseph, 1099, (US).

Colchagua

In insulis Taguatagua, Mivines vocatis, (isles Flottantes), rara, xii.1831, T. de tourbe moderne, 183, exherb. M. Gay, (P).

Concepcion

In sepibus urbis Concepcion, valde rara, ix.1928, Poppig ?, (W; sub Aniseia ? arifolia & Ipomaea; det. C. acutifolia Ph., C. sepium var. maritima, J. G. Hallier, 1892).

Bio Bio

In campis herbid. planitie: de los Angeles, xii.(1828), Poppig Coll. Pl. Chil. III, Syn.pl.Amer.austr.msc.Diar. 806, (BM, M, W; det. C. acutifolia Ph., J. C. Hallier, 1892).

Valdivia

In virgultis prope coloniam Arique, i.1855, W. Luhler, Pl. chilenses Ed. R. F. Hohenacker, 3094, (BR, P, S, TCO, W, UPS; sub var. rosea Choisy; det. C. rosea Ph., C. sepium var. maritima, Hallier F., 1909; det. var. americana, O'Donnell).

Inter virgult, Arrique, (CGE).

Valdivia, (Philippi), W; sub C. acutifolia Ph.).

Prov. Valdivia, R. A. Philippi, (W; sub C. acutifolia Ph.).

Osorno

La Barra del Rio Bueno, litoral rocks, 19.ii.1948, B. Sparre,
(S; sub var. americana).

Chiloe

Islas Guaitecas, Pto, Low, 24.iv.1897, P. Dusen, 669, (UPS;
sub C. rosea Phil.).

Aysen

Chonos Archipelago, xii.1834, C. Darwin, (CGE).

Chile, others.

Herbier du Chili Austral Envoye par M. Gay, 197, (P).

URUGUAY

Arroyo de Carasco (?), Montevideo, 28.iii.1853, Mr. Courbon, (P).

BRAZIL

Province de Rio-Grande, 1883, C. Gaudichaud, Herbier Imperial du
Bresil, 669, (P).

Brasilia, Sellow, (M; det. C. Sepium var. maritima Choisy,
J. G. Hallier, 1892).

ARGENTINA

De la Plata a Magdalena, Punta del Indio, 31.x.1948, H. Humbert, (P).

C. sepium subsp. americana (Sims) Brummitt ined.

Specimens preceded by an asterisk (*) may be referred to forma malacophylla (Fern.) D. Love & Bernard. Those preceded by a dash (-) have a conspicuous secondary angle, so tending towards subsp. angulata.

ST. PIERRE ET MIQUELON

St. Pierre, miquelon vu terre neuve, 1822, P. Beautemps, in herb. Brogniart, (P; sub Con. repons Mich.).

Lieux humides, Galets de Savoyard, St. Pierre, 2.ix.1901, Fr. Louis-Arsene, (NY).

CANADA

Newfoundland

Region about Bonne Bay, river valley and bogs at head of Mainarm, 8.viii.1919, R. K. Kimball, 11 (GH).

Bay of Islands, turfy and gravelly talus of sandstone sea cliffs, Woody Island, 3.ix.1926, M. L. Fernald, Bayard Long & J. M. Fogg, Jr., 386 (PH).

Nova Scotia

1840, Dr. Macculloch, (E).

Salt marsh, Guysborough, 19.vii.1879, H. L. Osborn, (US).

* East end, Sable Island, 7.vii.1899, John Macoun, 22558, (F).

Dry soil, R. R., Kingsport, 8 and 9, vii.1901, C. D. Howe and W. F. Lang, 355, (GH, NY).

* Sandy bank by sea, near Pictou, 12-18.vii.1901, C. D. Howe and W. F. Lang, 479, (GH, NY).

Mabou, CB., 8.viii.1906, C. B. Robinson, 250, (NY).

- Truro, 27.vii.1911, Edwin B. Bartram, (PH).
 Sable Island, climbing on *Lathyrus maritimus*, South Beach, near Life Saving Station, 12.ix.1913, Harold St. John, 1360, (K, NY, PH, US).
 Summit of Boid Island, Cape Breton Island, vii-viii.1914, George E. Nichols, 589, (GH).
 Yarmouth Co., gravelly and rocky banks by the sea, Rockville, 14.vii.1920, M. L. Fernald & B. Long, 22321, (GH).
 Yarmouth Co., rocky and gravelly beach of Eel Lake, 27.vii.1920, M. L. Fernald, R. C. Bean & D. White, 22323, (GH, K, PH).
 * Victoria Co., upper border of gravel beach of Great Bras d'Or, Kidstone Island, 28.viii.1920, M. L. Fernald & B. Long, 22325, (PH).
 Yarmouth Co., cobbly barrier beach, Pembroke Shore, 6.x.1920, M. L. Fernald & D. H. Linder, 22324, (PH).
 Annapolis Co., border of salt marsh, Grancille, 18.vii.1921, M. L. Fernald & N. C. Fassett, 24400, (GH, PH).
 Field, Atlantic Cove, St. Paul Island, 13.viii.1929, Lily M. Perry & Muriel V. Roscoe, 331, (GH).
 Sand beach, Yarmouth, 26.vii.1930, T. W. Edmondson, 6525, (NY).
 Parker Cove, Bay of Fundy shore, Annapolis Co., 22.viii.1942, Roland, Lewis & Dore, (DAO).
 Inverness Co., sea beach Presquile, 18.vii.1950, E. C. Smith, E. H. Collins, J. M. Bruce, D. R. Sampson & F. C. Bent, 3391, (DAO).
 Cumberland Co., abundant among grasses, Little South Slope, Isle an Hante, 4.viii.1953, W. B. Schofield, 3695, (DAO).
 Salty slope near Northeast, St. Paul Island, 10.viii.1953, J. S. Erskine, 53.530, (DAO).

New Brunswick

- Bass River, 16.vii.1875, herb. J. Fowler, (F, GH).
 Bass River, 17.vii.1875, herb. J. Fowler, (PH).
 Grand Menan ?, 1840-80, herb. J. T. Rothrock, (F).
 Campobello Island, 17.vii-20.viii.1888, John Donnell Smith, (US).
 St. Andrews, 13.vii.1900, herb. J. Fowler, (QUK).
 St. Andrews, Bocabee, 11.vii.1900, herb. J. Fowler, (GH).
 * Shediac, 3.viii.1904, James Fowler, (QUK).
 * Youghall, 19.vii.1905, J. Fletcher, 1406, (DAO; sub var. repons).
 Along fence with ferns etc., road to Batemans Mill, Shediac Cape, 25.vii.1914, F. T. Hubbard, (GH).
 In grass in dooryard, Shediac Cape, 15.viii.1914, F. T. Hubbard, (GH).
 Immediate vicinity of buildings, Biological Station, St. Andrews, 17.vii.1929, M. O. Malte, 334/29, (GH).
 * Caraquet Island, Gloucester Co., 20.vii.1945, W. G. Dore, H. A. Senn & E. Gorham, 45.682, (DAO).

- * 24 miles north north west of Bathurst, Gloucester Co., sandy soil near shore line, 6.viii.1953, I. J. Bassett & G. A. Mulligan, 3039, (DAO).

Prince Edward Island

Brackley Pt., 14.vii.1888, John Macoun, (BM, US).

- * Malpeque, 14.vii.1904, James Fowler, (QUK).
- Malpeque, 20.vii.1904, James Fowler, (QUK).
- Prince Co., damp thicket along Indian River, 29.viii.1912, M. L. Fernald, Bayard Long & Harold St. John, 7954, (PH).
- Charlottetown, Queens Co., east side of city, waste field, moist reddish clay soil, 2.viii.1950, I. J. Bassett, 1516, (DAO; sub forma coloratus).
- Wellington, Prince Co., twining up herbs in damp field, 29.vii.1952, D. Erskine, 1420, (BM; sub forma coloratus).

Quebec

- Longueuil, 1861, John Bell, (QUK).
- Rimouski Co., brackish meadows, Bic, 15-18.vii.1904, J. F. Collins & M. L. Fernald, (GH; sub var. repens).
- * Bonaventure Co., gravelly margin of salt marsh, Carleton, 23, 24 27.vii.1904, J. F. Collins, M. L. Fernald & A. S. Pease, (GH; sub var. repens).
- * Bonaventure Co., field, Carleton, 23, 24, 27.vii.1904, J. F. Collins, M. L. Fernald & A. S. Pease, 5431, (GH; sub var. repens).
- Vicinity of Montmorency Falls, 5.vii.1905, John Macoun, 68655, (GH).
- Vicinity of Cap a l'Aigle, 8.viii.1905, John Macoun, (NY).
- * Rimouski Co., sandy margin of salt marsh by the R. St. Lawrence, Bic, 25 & 26.vii.1907, M. L. Fernald & J. F. Collins, 1153, (GH).
- Rimouski Co., grassy shore, Bic, 12-20.vii.1910, Edwin B. Bartram & Bayard Long, 372, (PH).
- Temiscouata Co., ditch bank, Riviere du Loup, 26.vii.1910, Edwin B. Bartram & Bayard Long, 798, (PH).
- Magdalen Islands, Etang du Nord, Grindstone Island, 25.vii.1912, M. L. Fernald, E. B. Bartram, Bayard Long & Harold St. John, 7951, (PH).
- Magdalen Islands, gravelly beach near East Cape, Coffin Island, 17.viii.1912, M. L. Fernald, Bayard Long & Harold St. John, 7952, (GH, PH).
- * Magdalen Islands, sandy sea strand at the narrows, Alright Island, 21.viii.1912, M. L. Fernald, Bayard Long & Harold St. John, 7953, (GH, PH).
- Longueuil, v.1914, Bro. Victorin, (US).
- La Gaspesie, Riviere Bonaventure, sur les hautes berges dans la marecage entre les ponts, 14.viii.1930, F. Marie Victorin, F. Rolland Germain, E. Jacques, 33755, (GH).

- Co. Charlevoix, rivage de la mer, les eboulements, 3.vii.1937,
Bernard Boivin, (DAO).
- In sand on shore, Norway Bay, Pontiac Co., Bristol Twp. Conc.1,
lot 8, 22.vi.1941, M. N. Zinck, 818, (DAO).
- Ile Plate, comte de Longueuil, parmi les detritus Flottes par les
hautes eaux, 27.vii.1942, F. F. Marie-Victorin et Rolland-
germain, 7408, (GB, US).
- Railway embankment, near Valleyfield, 22.vi.1943, H. Groh, 1917,
(DAO).
- Saint-Placide, comte des Deux Montagnes, rives argilenses du lac
des Deux Montagnes, 24.vii.1943, F. Marie-Victorin, F. Rolland-
Germain, Ernest Rouleau & Marcel Raymond, 2045, (DAO, E).
- Ottawa Dist., border of woods, Luskville, 12.vii.1946, 2736, (DAO).
- Dry woods and shore of Ottawa River, Gatineau Co., Hull Twp.,
Conc.3, Queens Park, 1946, H. L. Mitchell, (LISE).
- Three miles south of Quebec city (from Quebec bridge), Levis Co.,
near St. Nicolas, edge of pasture field, moist sandy loam, 1951,
I. J. Bassett & A. Hamel, 2221, (DAO).
- Napierville Co., 6 miles S.W. of Napierville, in marshy ground,
twining over *Urtica procera*, 22.viii.1959, W. T. Stearn, 2432, (BM).

Ontario

- Banks of St. Laurence, E. of Prescott, 20.vi.1860, Billings, in
herb. J. Fowler, (QUK).
- On one of the Thousand Islands, near Brockville, viii.1862, J. K.
McMorrine, (QUK).
- Over rocks, Parliament Hill, Ottawa, 25.vi.1875, Jas Fletcher,
1406, (DAO).
- Lake Region and Ontario, 24.viii.1877, J. Macoun, 1166, (K).
- Sturgeon Point, Victoria Co., vii.1879, G. W. Clinton, (DAO).
- River banks, London, 24.vi.1881, Burgess, Geol. & Nat. Hist. Survey,
1598, (BM).
- Bells Island, 18.vii.1886, herb. W. Nicol, (QUK).
- Brampton, vii.1888, P. L. Walker, (QUK).
- Bank of the creek, Brampton, 15.vii.1889, Richard Lees, (QUK).
- Barkers Point, 31.vii.1893, Alex. H. D. Ross, (QUK).
- Kingston, 8.vii.1895, herb. J. Fowler, (US).
- Lake Shore, 23.vi.1898, Annie A. Boyd, Kingston, (QUK).
- Jilsonburg, 30.vi.1898, Alex. H. D. Ross, (QUK).
- Ross Island, L. Rideau, Lanark Co., 8.vii.1898, T. W. Edmondson, (NY).
- Port Colbourne, 19.vii.1901, John Macoun, 54369, (K).
- Bruce Peninsula, swamp, Stokes Bay, 2.vii.1934, P. V. Krotkov,
9339, (NY, US).
- Railway, Carleton Co., Britannia, Ottawa River, 15.vi.1938,
H. A. Senn, (NY).

- Grassy flat open riverbank, Rideau River, Junction Gore,
Lots 19 & 20, Gloucester Twp. Carleton Co., 29.vi.1939,
W. H. Minshall, 180, (NY).
- Georgian Bay Islands opposite Shawanaga Township, Parry Sound
District, govt. island E 9, back of Island, twined in Eupatorium,
25.vii.1942, E. D. McDonald Jr., 261, (US).
- Moist soil edge of marsh, Roudean Park, 17.viii.1942, E. W. Hart
& C. C. Bell, rubber sample 628, (DAO).
- Along embankment of R. R. track, Carleton Co., Nepean Twp.,
Britannia, 1 mi. E. of pier, 11.vii.1947, W. J. Cody & J. A.
Calder, 591, (DAO, MO).
- Sedge meadow, Leeds Co., Crosby Township near Queens Biological
Station, Lake Opinicon, 16.vii.1947, J. M. Gillett, 1391, (DAO).
- Wet sand, Norfolk Co., Long Point, 2.viii.1947, H. A. Senn,
3267, (DAO).
- Co. Bruce, swale near sandy shore of Lake Huron, Sangeen Twp.,
1.5 mi. S. of Southampton, 13.vii.1948, J. H. Soper & H. M. Dale,
311, (GH).
- Near skating rink in weedy lot, Merrickville, 11.vii.1949,
G. A. Mulligan, 505, (DAO).
- St. Thomas, waste ground, 27.vi.1950, Lorne E. James, (DAO).
- Dorset, Ridout Twp., Muskoka Dist., roadside, sandy soil, a few
plants climbing up fence, 11.vii.1950, I. J. Bassett & K. K.
Bragg, 1370, (DAO).
- Southeast side of locks at Kilmarnock, Montague township, Lanark
Co., waste land near canal, sandy soil, 14.viii.1951, K. K.
Bragg & W. G. Dalzell, 252, (DAO).
- Spreading into herbaceous thicket along shore, sand beach of
St. Lawrence R., 3 miles below Prescott, Grenville Co.,
18.ix.1953, W. G. Dore and J. M. Gillett, 14890, (DAO).
- Lake Opinicon, 200 m. NW of Biological Station, in moist-mesic
pasture, 26.vi.1960, Hainault & Beschel, 10586, (QUK).
- Lake Opinicon, Eightacre Island, over boulders, under Pistrobus,
Diervilla, on shore, N.-facing, 26.vi.1960, Hainault & Beschel,
10591, (QUK).
- Prescott, Grenville Co., bank of St. Lawrence River; waste lot in
centre of twon, 19.viii.1960, W. G. Dore, 18281, (QUK).
- Kingston Mills, vii., W. J. Saunders, (QUK).

Canada, other.

Canada, Holmes, (E).

UNITED STATES OF AMERICAMaine

- Kennebunkport, 8.viii.1878, Thomas Morong, (F, NY).
 Shores, Mt. Desert, 24.viii.1892, J. H. Redfield, 16717, (MO).
 Camden shores, viii.1893, Briggs, (NY).
 Wells, low ground, abundant, 14.vii.1894, John C. Parlin, (GH).
 * York Harbour, 13.viii.1894, E. P. Bicknell, 7273, (NY).
 York Harbour, 16.viii.1894, E. P. Bicknell, (NY).
 York Co., dry field, Wells, 11.vii.1896, J. C. Parlin, (GH).
 * Seal Harbour, Mt. Desert, 16.vii.1899, Emile F. Williams, (GH).
 * Cliff Island, 24.vii.1907, Dana W. Fellows, (US).
 Washington Co., brackish shore, Pembroke, 21.vii.1909, M. L. Fernald, (GH).
 Bar Island, F. J. 119, Herb. Francis Edward Peabody, don 1901, (GH).
 Damp grassy shores, Cranberry Island, 24.vii.1913, A. Cuthbert, (FLAS).
 Penobscot Co., valley of the Penobscot River, gravelly river-thicket, Veazie, 4.viii.1916, M. L. Fernald & Bayard Long, 14419, (PH).
 * York Co., gravelly barrier-beach between Cutts Island and Gerrish Island, Kittery, 11.viii.1916, M. L. Fernald & Bayard Long, 14421, (PH).
 Penobscot, valley of the Penobscot River, wet thickets by Otter Chain Ponds, Milford, 25.viii.1916, M. L. Fernald & Bayard Long, 14420, (PH).
 * Monhegan Island, Lincoln Co., 30.vi.1919, C. F. Jenney, J. R. Churchill & A. F. Hill, (MO).
 Beach, Monhegan Island, Lincoln County, 8.viii.1921, J. R. Churchill, (MO).
 Cape Elizabeth, thickets, 7.vi.1923, Leston A. Wheeler, (GB).
 Christmas Cove, Lincoln Co., 10.vii.1930, Julian A. Steyermark, 4152, (F).
 Climbing over tall weeds along roadside, Ocean Park, York Co., 28.viii.1931, Dr. & Mrs. C. E. Moldenke, 6272, (NY).
 Cobblestone beach, Ocean Point, Lincoln Co., 6.vii.1933, N. C. Fassett, 15788, (F).
 Seashore rocks, South Shore, Martinsville, Knox Co., 9.viii.1940, Ray C. Friesner, 14723, (NY).
 Forming dense patch, upper edge of beach among rocks, in thicket near shore, Baldwin's Head, Washington Co., Joe Dyer's Point, 17.viii.1946, E. H. Walker, 4052, (US).
 Mount Desert Island, Seal Harbour, Theodore G. White, (NY).

New Hampshire

- Whitefield, Coos Co., roadside, 15.vii.1896, Walter Deane, (GH).
 * Rye, 14.vii.1903, Emile F. Williams, (GH).

Vermont

- Charlotte, 13.vi.1878, F. H. Horsford, (F).
 Rock Pt., Burlington, 12.vii.1894, Willard W. Eggleston, (GH).

Massachusetts

- Near Boston, 1816, Francis Boott, (US).
 Boston, Dr. Boott, (E).
 Freshpond, Cambridge, 10.vii.1847, (K).
 Watertown, 24.vi.1854, Boott, (NY).
 Near Glacialis Pond, Cambridge, 25.vi.1863, Geo. G. Kennedy, (GH).
 Low places, by hedges, walls etc., Ipswich, 23.vii.1874, Morong, (NY).
 Manchester, 13.vii.1877, herb. William Coolidge Lane, (GH).
 Savin Hill, Dorchester, 16.vii.1882, J. R. Churchill, (MO).
 * Nonquitt, 21.vi.1888, E. L. Sturtevant, (MO).
 * Manon, vii.1888, Anna Murray Vail, (NY).
 Hyannisport, 17.viii.1888, J. R. Churchill, (MO).
 So. Manningham, 3.vii.1890, E. L. Sturtevant, (MO).
 Slate I., Hingham, 31.viii.1890, J. R. Churchill, (MO).
 * Nantucket Island, Wanwinet, 19.vii.1893, Benjamin Sharp, (PH).
 * Hyannisport, 4.vii.1896, J. R. Churchill, (MO).
 North Scituate, 22.vii.1899, Geo. G. Kennedy, (PH).
 Moist rocky ground, Middleboro, 1899, John Murdoch Jr., 254, (F).
 Manchester and vicinity, L. T. Chamberlain, presented 1899, (NY).
 * Scandent on Gramineae, Wood's Hole, Falmouth, 29.vi.1904,
 A. H. Moore, 1746, (GH).
 Nantucket Island, The Creeks, 15.viii.1906, E. P. Bicknell, (NY).
 * Barnstable Co., So. Orleans, Pleasant Bay Road, 28.vii.1906, John
 Murdoch Jr., 2069, (F).
 Nantucket Island, T. Coffin's homestead, damp shaded thicket,
 12.ix.1907, E. P. Bicknell, 7244, (NY).
 Nantucket Island, 29.ix.1907, E. P. Bicknell, 7242, (NY).
 Nantucket Island, near Nobodeer Pond, 14.vi.1908, E. P. Bicknell,
 7246, (NY; sub Con. repens).
 * Nantucket Island, below the Cliff, 20.vi.1908, E. P. Bicknell,
 7252, (NY; sub Con. repens).
 * Barnstable Co., Falmouth, Wood's Hole, 27.vii.1911, Francis W.
 Pennell, (PH; sub var. repens).
 Plymouth Co., rocky sea beach, Plymouth, 22.vi.1912, S. F. Blake,
 3760, (PH).

- * Martha's Vineyard, border of woods at edge of swamp, inland shore of Farm Pond, Oak Bluffs, 29.vi.1916, F. C. Seymour, 1322, (GH, NY, PH).
Martha's Vineyard, clay cliffs, Gay Head, 30.vi.1916, F. C. Seymour, 1323, (GH, NY, PH).
Nantucket Island, Coskaty, 14.viii.1916, E. P. Bicknell, (NY; sub Con. repens).
- * Jamaica Plain, herb, C. E. Faxon, don. 1916, (GH).
- * Barnstable Co., sandy roadsides, Sandwich, 10.vii.1917, R. Hoffmann, (MO).
Barnstable Co., edge of pond, Truro, 18.vii.1917, R. Hoffmann, (MO).
- * South Dartmouth, dry soil, sandy, along the beach, 20.vii.1917, Anna King, 160, (F).
Plymouth Co., swamp, Plymouth, 25.vii.1917, Clarence H. Knowlton, (PH).
Barnstable Co., rich border of salt marsh, Namskaket Creek, East Brewster, Brewster, 20.vii.1919. M. L. Fernald & Bayard Long, 19023, (PH).
- * Barnstable Co., dryish fresh to brackish upper border of salt marsh, Namskaket Creek, Orleans, 22.vii.1919, M. L. Fernald & Bayard Long, 19026, (PH).
Barnstable Co., borders of pond-holes among the sand hills north of the Breakwater, Provincetown, 3.viii.1919, M. L. Fernald & Bayard Long, 19027, (PH).
Nantucket Co., Squam, 22.viii.1921, Francis W. Pennell, 11106, (PH).
Elizabeth Islands, Dukes Co., thickets, Penikese, 24.vii.1923, John M. Fogg Jr., 1454, (MO).
Rocky shore, Salisbury Beach, 1.vii.1926, F. S. Beattie, (BM, K).
- * Grassy bank along beach near Coast Guard, Wood's Hole, 28.vi.1929, Francis Drouet, 1546, (MO).
- * Edgartown, Martha's Vineyard, edge of brackish pond, 11.viii.1960, Frank C. MacKeever, MV421, (NY).
Barnstable Co., trailing on gravelly beach, Nickersons Neck, Chatham, M. L. Fernald, 666, (GH).
Cambridge, hb. Bromfield, (E).

Rhode Island

- Providence, 1844, George Thurber, (GH).
- Narragansett Pier, 30.viii.1879, George Engelmann, M.D. (MO).
- * Wickford, 17.vi.1908, Geo. G. Kennedy, (GH).
Newport Co., dry roadside thicket northeast of Great South Pond, Block Island, 22.viii.1913, M. L. Fernald, F. W. Hunnewell, 2d, & Bayard Long, 10253, (PH).
Newport Co., sandy and gravelly beaches of Great Salt Pond, Block Island, 14.ix.1913, M. L. Fernald, Bayard Long & G. S. Torrey, 10252, (PH).

Connecticut

- New Haven, 1859, D. C. Eaton, (F).
 Moist ground, West river, New Haven, 23.vi.1873, F. N. Pease,
 1, (NY).
 Oxford, 1879, E. B. Harger, in herb. William E. Safford, 478, (US).
 Meadow, Easton, 3.vii.1883, L. N. Johnson, 2172, (F).
 Border of salt marsh, Groton, 18.viii.1932, K. P. Jansson, (GB).

New York

- * State of New York, vii.1884, Julia Ball, in herb. John Ball, (E).
 Roadside, Sing Sing, 2.viii.1888, John Hendley Barnhart, 183, (NY).
- * Staten Island, New Dorp, 29.vi.1890, N. L. Britton, (NY).
- Van Cortlandt, vi.1893, C. L. Pollard, (US).
 Vicinity of Oneida, brushy bank, 24.vii.1895, William R. Maxon, (US).
- Roadside, Scarborough, 22.vii.1896, J. H. Barnhart, 1510, (NY).
 'Barcelona', shore of Lake Erie, 11.viii.1896, J. R. Churchill,
 (GH, MO).
- Babylon, southern Long Island, 4-5.vii.1898, Willard N. Clute,
 119, (NY).
- Near Unionport, New York City, 21.vi.1901, T. W. Edmondson, 2022,
 (NY).
- * West Rockaway, Long Island, 16.vi.1903, E. P. Bicknell, 7240, (PH).
 Cape Vincent, vii.1905, Dr. I. A. Keller, (PH).
 Shore Black Lane, Morristown, 1.vii.1914, Orra Parker Phelps,
 786, (GH, NY).
- * Long Beach, Long Island, climbing on shrubbery, 16.vii.1914, E. P.
 Bicknell, 72532, (NY; sub Con. repens).
- Lake Shore near Charlotte, 15.vi.1915, Edwin B. Bartram, (PH).
 Wayne Co., sedgy marsh, around salt pond, west of Howland Island,
 Savannah, 3.vii.1916, A. J. Eames, (GH).
- * Nassau Co., edge of salt marsh, Long Beach, 27.viii.1916, Francis
 W. Pennell, 8312, (PH; sub Con. repens).
- Nassau Co., gravelly soil, Garden City, 14.vi.1918, Francis W.
 Pennell, 9434, (PH).
- Suffolk Co., border of brackish marsh, vicinity of Riverhead,
 town of Southampton, 25.vii-3.viii.1920, Harold St. John, 2887,
 (GH, PH).
- St. Lawrence Co., thicket by sandy swale overlying Silurian
 (Beckmantown) rock by the St. Lawrence River, Morristown,
 29.viii.1922, M. L. Fernald, K. M. Wiegand & A. E. James,
 14420, (GH).
- Open places along ridges north of Petersburg Pass, Rensselaer Co.,
 2.vii.1933, H. D. House, 20427, (GH).
- * In salt marsh, Montauk Point, Suffolk Co., 22.vi.1947, Harold
 N. Moldenke, 18728, (NY, WTU).
- * New York, herb. Schreder, (M).

- Long Island, Miss Bullock, (K).
 - Buffalo, G. W. Clinton, (NY).
 - Near Buffalo, herb. Torrey, (NY).

New Jersey

- Hoboken, 1835, George Thurber, (GH).
 * Squaw, 6.vii.1850, I. F. Holton, (F).
 * Beach at Long Branch, 17.viii.1885, J. A. & H. F. Ruth, (PH).
 Soho, Essex Co., 22.vi.1891, Geo. V. Nash, 1090, (NY).
 Schraalenburg, vi.1890, A. Cuthbert, (FLAS).
 Woodbridge, 15.viii.1890, L. H. Lighthipe, (NY).
 Milltown, v.1891, Halsted's American Weeds, 56, (NY).
 'Island Hights', Barnegat Bay, coast of New Jersey, 22.viii.1893,
 J. R. Churchill, (MO).
 * Forked River, 29.v. - 2.vi.1896, Excursion of the Torrey Botanical
 Club, (NY).
 Wildwood, Cape May Co., 7.iv.1897, herb. Joseph Crawford, (PH).
 * Locust, 16.vi.1900, Emile F. Williams, (GH).
 * Pine Barrens of New Jersey, 30.vi - 4.vii.1900, Dr. & Mrs. Britton
 & Percy Wilson, (BR).
 Along railroad, Cranberry Lake, Sussex Co., 12.vi.1904, Kenneth
 K. Mackenzie, 740, (E, MO).
 Peermont, Cape May Co., 14.vi.1908, Witmer Stone, (PH).
 - Salem, 1.ix.1908, Witmer Stone, 10592, (PH).
 Atlantic Co., edge of brackish marshes, Island Beach, 9.viii.1913,
 Bayard Long, 9177, (PH).
 * Ocean Co., fresh marshes, bordering brackish marshes, s.e. Fox
 Island Knoll, Manahawkin, 3.vi.1914, Bayard Long, 9964, (PH; sub
Con. repens; det Con. sepium var. repens, Fernald 1942).
 - Bergen Co., Westwood, 16.vi.1918, Francis W. Pennell, 9427, (PH).
 Camden Co., cultivated field adjoining Mitcheson's Woods, 1 mile
 S. of Merchantville, 13.vi.1922, H. B. Meredith, (MO, PH).
 In moist ground, Pleasantville, 10.vii.1923, Ivar Tidestrom,
 11368, (GH).
 Cumberland Co., wet alluvial bank of Maurice River at Crowder Br.,
 Dorchester, 29-30.v.1926, J. W. Adams, 214, (PH).
 * Waste ground, Manasquan, coast of New Jersey, 20.vi.1929, J. R.
 Churchill, (TENN).
 * Ocean Co., thicket, salt marsh, island, 2 miles e. Cedar Grove,
 20.viii.1932, John M. Fogg Jr., 4850, (F, US).
 Cumberland Co., dryish margin of brackish marsh near West Creek,
 s.e. of Delmont, 22.vi.1933, John M. Fogg, Jr., 5625, (GH).
 * Cape May Co., dry open sand just n. of Stone Harbour, 16.vi.1935,
 Flora S. Feuder, 599, (MO).

Atlantic Co., moist sandy tidal shore along Mullica River at
 Clarks Landing, 31.vii.1938, Bayard Long, 52592, (PH).
 Somerset Co., low field, west of Middlebush, 8.vii.1945, M. A.
 Chrysler, (PH).
 Monmouth Co., wet road side, Matawan, 26.vi.1956, Vernon L.
 Frazee, (PH).
 Peapack, R. Perry, (MO).

Pennsylvania

Erie, vi.1880, P. Guttenberg, 1624, (M).
 Delaware Co., trailing on ground and twining over older bushes,
 Tinicum, 12.vi.1899, Alexander MacElwee, 526, (GH, MO).
 Darby Creek, 8.vii.1902, C. C. Stewart, 2487, (NY).
 - Frazer, Chester Co., 5.vi.1910, Edwin B. Bartram, (PH).
 - Folsom, Delaware Co., 16.vi.1911, Francis W. Pennell, 2800, (PH).
 Philadelphia Co., dumping-ground, alluvial meadows along Delaware
 R., Broad & Pattison Sts., Philadelphia, 10.vi.1915, Bayard
 Long, 12428, (PH).
 Bucks Co., Black Rock Terrace Station (Trolley line), Vacant Lot,
 2 miles S.E. of Yardley, 28.ix.1923, H. B. Meredith, (PH).
 - Philadelphia Co., river bank, Shawmont, 30.vi.1927, Francis W.
 Pennell, 13247, (NY).
 Slippery Rock, Berberis hedge, Waldron's Knob, 31.vii.1946,
 N. Russell, NR2251, H4037, (TENN).
 Philadelphia, comm. Gavin Watson, (E).

Delaware

Muddy banks of the Del., 1.vii.1863, (MANCH).
 River shore, Collins Beach, 6.vii.1874, A. Commons, (PH).
 Kent Co., Bowers Beach, 12.vi.1934, Esther L. Larsen, 518,
 (GH, MO, US).
 New Castle Co., coal wharf, Delaware City, 18.vii.1934, Esther
 L. Larsen, 631, (GH).
 * Sussex Co., by Indian River, Oak Orchard, 11.viii.1934, M. L.
 Fernald & Bayard Long, 4148, (GH).
 New Castle Co., fallow field, ca. $\frac{1}{2}$ mi. n. New Castle, 11.vi.1938,
 Walter M. Benner, 8122, (PH).
 Low sandfields among thickets of Myrica, near Rehoboth, Sussex Co.,
 12.vi.1940, H. A. Gleason, 8520, (NY).
 Moist sandy woods, near canal, Rehoboth Beach, 10.vii.1949,
 S. C. Hood, 2317, (FLAS).

Maryland

- Queen Anne Co., opposite Chesterton, 7.viii.1903, E. G. Vanatta, (PH).
 Queenstown, 15.vii.1904, Ella M. Jones, (F).
 Queen Anne Co., near Chesterton, 3.viii.1904, E. G. Vanatta, (PH).
 Along shore near lighthouse, Havre de Grace, 3.viii.1923, Ivar
 Tidestrom, 11590, (GH).
 Common on sand beach, Dr. Abbott's Farm, Elk Neck, 4.vii.1924,
 E. C. Leonard, 2721, (US).
 Cecil Co., margin of sandy gravelly tidal shore, Elk River, ca. 1½
 mi. s. Elkton, 25.vi.1932, Bayard Long, 37691, (PH).

Virginia

- Quantico, 12.vi.1886, F. H. Knowlton, (US).
 Near Virginia Beach, Princess Anne Co., 3.viii.1898, Thos. H. Kearney,
 2022, (US).
 Hampton, edge of salt marsh, 16.v.1903, Gerrit S. Miller, jr. (US).
 In nearly pure sand of sea beach, Buckroe, 16.v.1912, B. L.
 Robinson, 375, (GH).
 Princess Anne Co., grounds Princess Anne Co. Club, 21.v.1922,
 H. B. Meredith, (PH).
 Norfolk Co., vacant lot, Colonial Ave., Norfolk, 16.vi.1923,
 H. B. Meredith, (PH).
 Shore of Chickahominy River about 5 miles west of Toano, James City
 Co., 23.vii.1939, R. W. Menzel, 175, (GH).
 Princess Anne Co., moist sandy depressions back of the dunes, Sand
 Bridge, 15.vii.1940, M. L. Fernald & Bayard Long, 12440, (GH).
 Seashore State Park, Cape Henry, Tide Gate, in tidal marsh with
 Spartina, 25.vii.1940, Frank E. Egler, 40-186, (NY).

Ohio

- Oberlin, Loraine Co., 11.vi.1894, Alfred E. Ricksecker, (US).
 Ceder Point, 23.vi.1894, E. L. Mosely, (F).
 Huron, Erie Co., 13.viii.1896, E. L. Mosely, (GH).
- Cedar Point, Sandusky, 7.viii.1901, Chas. S. Mead, 2951, (F).
- Ottawa Co., Middle Bass Island, vii.1935, E. S. Ford, 225, (FLAS).

Michigan

- Belle Isle, Detroit, 3.vi.1894, O. A. Farwell, herb. Parke, Davis
 & Co., 7663, (M).
 Waste lot, Flint, 16.vii.1909, Earl E. Sherff, (F).
 Edge of Lake Huron, Welnonah Beach, Bay City, Bay Co., 9.vii.1927,
 R. R. Dreisbach, 5069, (PH).

- Cheboygan Co., vine on driftwood along Burt Lake, vicinity of University of Michigan Biological Station, 3.vii.1930, Frank C. Gates, 16386, (TENN).
- Bank of the Detroit River, Wyandotte, Wayne Co., 5.vii.1932, Carl O. Grassl, 4906, (NY).
 - Menominee Co., east edge of marsh near the new bridge, City of Menominee, 12.vii.1933, Carl O. Grassl, 2613, (NY).
Moist land along creek, back of State Park, Traverse City, 5.viii.1950, S. C. Hood, 3898, (FLAS; sub var. repens?).

Indiana

- Along ditches, Hammond, 28.vi.1898, O. E. Lansing Jr., 313, (F).
Fields, Whiting, 7.vi.1899, O. E. Lansing Jr., 599, (F).
- Railroad embankment, Clarke, head of Lake Michigan left by recedence of the lake, 18.vi.1903, O. E. Lansing, 1783, (F).
- Dyer, Lake Co., 15.viii.1925, D. C. Peattie, 2004, (F).
Tamarack Swamp, Mineral Springs, 7.ix.1930, Carl Buhl, 295, (L).
Diamond Lake, 35 mi. N. of Auburn, 30.vii.1933, Cora Shoop, (F).

Illinois

- Winnetka, 2.vii.1884, M. E. Taylor, (F).
Ravenswood, 23.vi.1887, herb. William H. Dunham, (F).
- Chicago, waste places, 13.vii.1895, W. S. Moffatt, M.D., 305, (QUK).
- Near Waterwork (s.e.), Worlds Fair, Chicago, vi.1897, M. C. Jansen, (MO).
Vacant lot, grassy, Stony Isl. Ave. & both St., Woodlaun, Chicago, 15.vi.1898, O. E. Lansing Jr., 248, (F).
North Chicago Area No. 53, Crawford Av. Niles, fences, 9.ix.1905, herb. F. Gates, 72, (F).
Prairie, Berwyn, 10.vii.1907, William Wirt Calkins, 41, (F).
Lake Co., waste ground, Zion City, Beach Region north of Waukegan and east of the glacial Glenwood Ridge, 19.vii.1909, Frank C. Gates, 3150, (F).
Stony Island, Chicago, 25.vii.1909, J. M. Greenman, 2820, (MO).
Along fence Jayne Rand, near Algonquin, McHenry Co., 18.viii.1913, William Abbott Nason, (F).
- Stony Island, Cook Co., 30.vi.1914, Huron H. Smith, S972, (F, GH, MO; det var. communis, Tryon).
- Marshes near Dead River, Moorlands, Lake Co., 29.vii.1934, herb. Carl Buhl, F40, (F).
Along r.r. track, near Urbana, Champaign Co., 16.vi.1940, George Neville Jones, 11512, (GH, NY).

Wisconsin

Islands of Bayshore slough, vii.1881, J. H. Schuette, (F, NY).
 Okauchee, vii.1894, herb. William H. Dunham, (F).
 Marsh, vicinity of Delavan, 20.vii.1919, N. Hollister, 61, (F).

Colorado (introduced)

* Pagosa Springs, 7000 ft., 19.vii.1893, Benjamin H. Smith, (PH).

AZORES

In insulae fayal silvestribus, vi.1838, C. H. (BM).
 Ad sepes ins. Fayal, vii.1838, C. Hochstetter, (BM, W).
 Acores, 1868, H. Drouet, (BM; sub var. rosea-maculata).
 Corvo, 18.vii.1894, Wm. Trelease, 606, (MO).
 Fayal, 19.vii.1894, C. S. Brown, 181, (MO, US).
 Flores, Sta. Cruz, 24.vii.1894, Wm. Trelease, 608, (MO).
 Flores, Ribeira da Cruz, 27.vii.1894, Wm. Trelease, 607, (MO).

The following specimen has no flowers and the leaves are poorly pressed, but probably belongs to this subspecies.

Flores, 1844, Dr. Mackay, 124 (263), (MANCH).

URUGUAY

Barra Santa Lucia, in fruticetis dumarum, 12.i.1913, Corn. Osten.,
 (US; sub var. maritima Choisy).
 In ripariis, dep. de Canelones, subsic.ill., Aguas Corrientes,
 6.xi.1930, herb. W. G. Herter 98067, (S).
 Rio de la Plata, aren. subsic. ill., dep. de San Jose, xii.1932,
 herb. W. G. Herter 91161, Plantae Urughayenses Exsiccatae 739a, (F).
 ibid., 91162, 7396, (M, US).
 Paso del Bote, aren./arg., hum.ill, alt.c.5, ad palud., dep. de
 San Jose, 16.ii.1936, herb. W. G. Herter, 96767, Plantae
 Uruguayenses Exsiccatae 739c, (M, MO).

ARGENTINA

Buenos Ayres, 1852, Anderson, (S).
 Swamps of the Rio de la Plata, Belgrano, B. Ayres, xii.1866,
 Dr. David Christison, (E).

- Chloris Platensis Argentina (Apuntes de Historia Natural, vol.II, 1910) 876 bis (NY: det. var. rosea Choisy, C. M. Hicken).
Delta, Rio Carabelas, Frente recreo Tiburon, xi.1925, A. C. Scala, (NY).
- Rincon de Nuario, entre Veronica y Monte Veloz, Buenos Aires, en los cangrejales sobre Spartina sp., 12.ii.1931, A. L. Cabrera, 1647, (NY).
- Partido de la Plata, Provincia de Buenos Aires, Punta Lara, 28.x.1939, A. L. Cabrera, 5381, (NY).
- Buenos Aires, La Plata, Punta Lara, subtrop. rain forest, 16.xi.1946, B. Sparre, E. Wall & B. Sparre Iter austroamericanum 331, (S).

TRISTAN DA CUNHA

- Sand hills, S.E. side island, not common, 21.vi.1909, K. Keytel, 1809, (K).
- Around ruined cottage, Salt Beach, Inaccessible Island, sea level, 4.iii.1962, James Dickson, 131, (herb. J. Dickson).

UNION OF SOUTH AFRICA

- Edge of reed swamp, Sand Vlei, 15.i.1927, 7497, (BM).

C. sepium subsp. nashii (House) Brummitt, ined.

UNITED STATES OF AMERICA

North Carolina

- Marsh land, Hobucken, Pamlico Co., 13.vii.1922, L. F. & Fannie R. Randolph, 878, (GH).
 New Hanover Co., drainage ditch at Carolina Beach, R. K. Godfrey, 4646, (GH).
 New Hanover Co., sand dunes, Fort Fisher on Lower Cape Fear Peninsula, 30.v.1938, R. K. Godfrey & Q. U. Shunk, 4099, (GH).
 Chowan Co., waste ground Edenton, 24.vi.1958, Harry E. Ahles with J. A. Duke, 44186, (NY).

South Carolina

- Morris Island, 1834, Dr. Grosvenor, (GH; det var. maritima, Syn. Fl. N.Am.; var. catesbeianus, Fernald).
 Sand dunes, Fripp's Island, S.E. of St. Helena Island, v.1906, A. Cuthbert, (FLAS).
 Georgetown Co., sandy waste land near Georgetown, 3.vii.1939, R. K. Godfrey & R. M. Tryon Jr., 266, (GH, MO, NY, PH, TENN, US).
 Millechamp, (GH; det. catesbeianus, Fernald; F. nashii, Tryon).

Georgia

- Georgia, 1817, Dr. Wm. Baldwin, herb. Smith 306.12, (LINN).
 Banks of the Savannah River along the path to the rice fields just below the city, 22.v.1847, herb. Bromfield, (K).
 Savannah, iv.1897, Thos. S. Githens, (PH).
 Darien, McIntosh Co., Coastal Plain, 28.v.1909, Huron H. Smith, 2127, (F).
 Big marsh south of Darien, 25.vi.1927, K. M. Wiegand & W. E. Manning, 2639, (GH).
 Ad ripas fluvii Savannah, (H, K).
 Georgia, L. Le Conter (?), (NY).

Florida

- In campis, prope St. Marks, vi.1833, Rugel, (BM, NY; sub Con. repens var foliorum auriculis productis sub dentato-sinuatis).

- Eastern Florida, Indian River, 1874, Edward Palmer, M.D., (MO).
 Everglades, Miami, vi.1877, A. P. Garber, (GH, US).
 Damp shaded banks of streams, south fork Haw creek, 26.iii.1882,
 C. Mohr, (US).
 Damp thickets, Haw creek, iv.1882, C. Mohr, (F).
 Merritts Island or vicinity, 17.iv.1889, G. L. Bates, (US).
 River-swamp, Duval Co., 26.iv.1893, A. Fredholm, 66, (US; sub var.
catesbeiana).
 Sareres, 30.vi.1893, P. H. Rolfs, (F, FLAS, MO).
 Vicinity of Eustis, Lake Co., swampy lake shores, flowers with
 white tube and pink border, 12-31.iii.1894, Geo. V. Nash, 44,
 (C, GH, K, MO, NY; paratypes).
 Near Jacksonville, 21.iv.1894, A. H. Curtiss, 4669, (K, MO, NY, US).
 Vicinity of Eustis, Lake Co., moist soil, climbing 3-4 ft. high,
 flowers pure white, 1-15.v.1894, Geo. V. Nash, 609, (GH, K, MO, P;
isotypes).
 Collected in the vicinity of Eustis in June and July, 1894, by
 A. S. Hitchcock, (F, FLAS, MO).
 Kissimmee Prairie, 25.iv.1901, Edgar A. Mearns, (US).
 Swamp, Okeechobee region, Brevard Co., 12.iii.1903, A. Fredholm,
 5715, (GH; det. var. catesbeianus, Fernald; f.nashii Tryon).
 Dade Co., Orange Glade, 8.xii.1903, A. A. Eaton, 821, (F).
 Climbing on rushes etc., Cape Canaveral, 2-5.iv.1904, Allen B.
 Burgess, Field Columbian Museum Expedition, (F, NY).
 Hammock, De Land Landing, 7.i.1910, herb. S. C. Hood, 23077, (FLAS).
 Deep Swamp near river, Perrine, 24.vi.1910, herb. S. C. Hood, 23080,
 (FLAS, MO).
 Hammocks on sand-ridge, eastern shore of Lake Okeechobee, Pelican
 Lake to Cypress Creek, 11-25.xi.1913, J. K. Small & G. K. Small,
 Exploration of the Everglades, 4338, (NY).
 Shores of Lake Hicpochee, De Soto Co., 7.v.1917, J. K. Small,
 Exploration of Subtropical Florida, Cruise of the Barbee, 8168,
 (GH, NY).
 Everglades along Tamiami Trail west of Miami, 21.v.1918, John K.
 Small, Exploration of Tropical Florida, 8826, (FLAS, GH, NY).
 Recent bottom (western side) of Lake Okeechobee, 8.v.1922, John
 K. Small, Exploration of Peninsular Florida, 10457, (NY).
 Pinellas Co., moist soil near creek, Lakewood Estates, St. Petersburg,
 19.iv.1926, Mary H. Williams, (PH).
 Winter Haven, on fairway of golf course, 25.v.1929, James B. McFarlin,
 1354, (FLAS).
 Dry bank, Kissimmee, 12.vi.1929, E. West, (FLAS).
 Climbing over tall weeds at edge of canal, along Tamiami Trail,
 east of Big Bend, 5.i.1930, Harold N. Moldenke, 338, (K, MO, NY).

- In dry sandy soil along roadside, climbing over tall weeds, Bell Glade, Palm Beach Co., 5.iii.1930, Harold N. Moldenke, 737, (K, MO, NY).
- Winter Haven, Polk Co., 23.iii.1931, James B. McFarlin, (FLAS).
- Sanford, 7.iii.1936, H. H. Hume & E. West, (FLAS).
- Roadside, Leesburg, 31.iii.1936, H. H. Hume, (FLAS).
- Hatchet Creek, Gainsville, 21.iv.1937, E. West & L. E. Arnold, (FLAS).
- Moist thicket bordering (airport) Welake, Putnam Co., 4.v.1940, A. M. Laessle, (FLAS).
- South side of Lake Jessup near Mineral Springs in open grass, 5.iv.1940, E. Perot Walker, 1741, (PH).
- Pine-barren, near Goodno, Hendry Co., 8.iv.1940, Don E. Eyles, 6821, (GH).
- Marion Co., roadside on east side of Ocklawaha River near Eureka, 11.iv.1940, E. Perot Walker, 1838, (PH).
- Salt marsh, Crescent Beach, St. Johns Co., 7.vi.1940, West & Arnold, (FLAS).
- Roadside ditch, Leesburg, Lake Co., 6.v.1941, W. A. Murrill, (FLAS).
- Cook's Hammock, road 50, West of Grady, Lafayette Co., 31.v.1941, J. M. Crevasse, (FLAS).
- Sandy creek bank in full sun, S. of Sebring, Highlands Co., 19.iii.1948, Ray Garrett, 92, (FLAS).
- Juniper Springs Trailer area in Ocala National Forest near Ocala, Marion Co., 4.iv.1949, D. W. Mather, M71, (FLAS).
- Climbing to 2-3 m. on roadside on muckland, south end of Lake Istokpoga, Highlands Co., 17.iv.1949, L. J. Brass, 20421, (US).
- Pine flatwoods, Rt.80, Lee Co., 8.iii.1950, S. C. Hood, 3437, (FLAS).
- Taylor Co., grassy roadside shoulder, sandy soil, near the Aucilla River, east of Newport, 2.vii.1955, R. K. Godfrey, 53557, (GH, NY).
- Shore of St. John's River, near Jacksonville, April, A. H. Curtiss, 2172, (F, GH, K, NY, P, US; sub C. sepium var. catesbyana).
- Eastern Florida, near Mosquito Inlet, June, A. H. Curtiss, (FLAS).
- Sandy sea shore, Apa, herb. John A. Lowell, (GH).
- Tarpon Springs, James B. McFarlin, (FLAS).

Louisiana

- Madisonville, 9.v.1888, J. F. Joor, (MO).
- Chandeleur Id., 30.v.1898, Tracy, 5022, (US).
- Battledore Id., 15.viii.1900, Tracy & Lloyd, 126, (E, F, GH, NY, PH, US, W).
- Louisiana, Prof. W. Carpenter, (NY; sub C. catesbyana?)

New Mexico

- Escondida, Rio Grande, 1848, Wright, (GH; det. var. catesbeianus Fernald; var. repens F.nashii, Tryon).

Roswell, banks of North Spring River, 31.viii.1901, F.S. & Esther S. Earle, (NY).

Nevada

Along creek near R.R. Station, Las Vegas, 608 m, 23.v.1919, Ivar Tidestrom, 9569, (NY, US).

California

Swamp, San Bernardino, vii.1881, S.B. & W.F. Parish, 916, (F).

Swamps, San Bernardino, vi.1882, Samuel B. Parish, 916, (US).

Suisun Marsh, vii.1883, Edward Lee Greene, (F).

Swamp near Ballona, Los Angeles Co., 26.viii.1890, Dr. H. E. Hasse, (US).

Swamps near San Bernardino, 15.viii.1898, S. B. Parish, (NY).

Bouldin Island, San Jaquin Co., 2.ix.1902, J. W. Congdon, (US).

Vicinity of San Bernardino, alt. 1000-2500 ft., 15.x.1903, S. B. Parish, 5334, (F, PH).

San Bernardino Valley, alt. 1000 ft., 29.ix.1906, S. B. Parish, 5906, (W).

Damp ground, Cienega, near Los Angeles, 2.ix.1910, S. F. Blake, 871, (BR, F).

Suisun marshes, Solano Co., 28.viii.1938, John Thomas Howell, 14594, (NY).

Common climber in swamp with Scirpus sp., Salix sp., and Solidago confinis, China Ranch, eastern Mohave Desert, San Bernardino Co., alt. 1300 ft., 7.viii.1950, J. C. & A. R. Roos, 4919, (NY; sub var. communis).

U.S.A., others

Herb. A. Gray, Hort. Cantab.1852, (NY).

Herb. Chapman, Southern Flora, (NY).

Am. septentrionale, M. le Capitaine Leconte, (P).

MEXICO

Coahuila

Muzquiz swamp, 21.vii.1936, Ernest G. Marsh Jr., (F).

San Luis Potosi

Angostura, vii.1911, C. A. Purpus, Plantae Mexicanae Purpusianae 5447, (BM, MO, NY, US).

PERU

Tusula, San Lorenzo (Callao), 1852, N. J. Anderson, (S).

Lima, Dr. Barranca, com. Dr. Wawra, Erdumseglung S. M. Fregatte
"Donau" 1868-71, 505, (W).

Col. in Turco, ii.1873, M. Martinet, 67, 918, (P).

Depto. and Prov. Lima, swamp 10 km south of Chorrillos, on
borders of wet areas, full sun, soil somewhat saline, 10.iv.1939,
T. H. Goodspeed, University of California Second Expedition
to the Andes, 11341, (MO).

De Espanay de Lima, August, Pavon, (BM).

C. sepium subsp. angulata Brummitt, ined.

Specimens marked with an asterisk * have narrow leaves with the secondary angle not markedly inferior to the primary (as var. biangulo-sagittatus Ktze.), and are referred with some doubt to this subspecies (see p.).

CANADA

Manitoba

Fort Garry, Red River, 1858, Major Seton, (E).

Turtle Mt., recd. 1877, G. M. Dawson, British N. American Bound. Commission, (E).

Sunflower fields, SW 18 - T3 - R4, drainage good, fine sandy loam, 3 miles W & 1 $\frac{1}{4}$ miles N of Winkler, 1.viii.1949, C. Cranston, 10, (DAO).

Edge of sunflower field with southern exposure, fine sandy loam, 6 miles S. and 3 $\frac{1}{4}$ miles W. of Winkler, 2.viii.1949, C. Cranston, 14, (DAO).

Saskatchewan

Along the Prespyterian Creek, Runciman, flowers pink, 8.ix.1940, A. J. Breitung, 893, (MO).

Nipawin, sandy soil, common, 7.ix.1947, A. J. Breitung, 6062, (DAO; sub Con. americanus).

S.W. of Milestone, grain field, 6.vi.1949, W. D. Garrett, (DAO).

Alberta

Steep hillside of CNR roadside, $\frac{1}{4}$ mi. W. of N. end of CPR Highlevel Bridge, Edmonton, 17.vii.1947, G. H. Turner, 5818, (DAO).

Sloping CNR roadside a few rods west of the north end of the CPR Steel bridge, Edmonton, 25.viii.1947, G. H. Turner, 5999, (BM, DAO, F; det. var. communis, Bassett at DAO).

Steep east bank of creek just above CNR trestle, Fort Saskatchewan, 31.viii.1947, G. H. Turner, 6015, (DAO).

Near river bank, with shrubs, Athabasca, 7.vii.1950, E. H. Moss, 9229, (DAO).

British Columbia

(B.C.?) Oregon Boundary Commission, 1858, Frazer River, Dr. Lyall, (K).
Qualicum, Va. Island, 27.vii.1887, John Macoun, (NY; sub var.
americanus).

Canada, other (Ontario or Manitoba)

Lake of the woods, vi.1877, Dawson, (E).

UNITED STATES OF AMERICAMaine

* Aroostook Co., valley of the Aroostook R., river bank, Fort Fairfield,
10.viii.1909, M. L. Fernald, (GH, US; det. Con sepium typical,
Tryon).

Vermont

Newfane, 22.viii.1891, herb. Marshall A. Howe, (NY).

New York

* Adirondack Mountains, Hamilton Co., dry sunny field, Indian Lake,
17.vii.1929, Bertha B. Lambert, 23, (PH).
Twining over weeds on sunny roadside, Yonkers, Westchester Co.,
10.vii.1934, H. A. Gleason Jr., 1392, (L).
New York Botanical Garden, Bronx Park, Bronx Co., 24.vii.1934,
P. Wilson, 135, (GB, L).
New York, herb. S. B. Buckley, (MO).

Pennsylvania

West Philadelphia, fields, 17.viii.1899, Alexander MacElwee, 1094,
(GH, MO; det var. communis, Tryon).
Weed climbing over bushes in cultivated ground, North Warren,
Warren Co., 21.vi.1943, Harold N. Moldenke, 15134, (BR).
Bucks Co., rubbish dump and fill along Street Road, ca. 1 mi. s.e.
of Trevose, 29.vii.1944, Bayard Long, 61630, (PA).
Montgomery Co., rubbish dump along River Road, ca. 1.5 mi. e. of
West Conshohocken, 4.ix.1949, Bayard Long, 70047, (PA).
Northampton Co., barberry hedge, Lehigh University, Bethlehem,
8.viii.1952, R. L. Schaeffer Jr., 41312, (PA).

District of Columbia

In dry fields, Brookland, 5.vi.1894, Th. Holm, (MO, PH).

Wet fields, 7.v.1895, P.W.C.(?), in herb. J. H. Schuette, (PH).

West Virginia

Waste ground, Milton, 9.vi.1903, Biltmore Herbarium, 290d, (US).

Ohio

- * Cincinnati, U.St., 30.viii.1874, herb. Otto Kuntze, 2744, (F, K, as C. sepium var. angulatosagittata; NY, as var. biangulatosagittata mihi; types of Volv. sepium var. biangulosagittata, O. Kuntze).
- * South of Mayfield Road near Cleveland, 1896, J. M. Greenman, 1479, (MO).

Michigan

Fort Gratiot, 1829, Dr. Pitcher, (NY).

Indiana

- * Near Lake Maxinkuckee, 1900, J. T. Scovell & H. Walton Clark, 702, (229), under the direction of Dr. B. W. Evermann for the U.S. Fish Commission, (F).
- * Wells Co., along roadside near Fauvien Cemetery, 7.vii.1901, Chas. C. Deam, (NY).
- Along NYC RR just north of 30th Street, at Flackville, Marion Co., 17.vi.1944, Ray C. Friesner, 18164, (NY).

Illinois

- * Athens, Menard Co., 1861, E. Hall, (P).
- Athens, vii.1864, E. Hall, (F).
- Railroad, Burnside, vi.1892, H. L. Bray, (F).
- Open rich soil, Peoria, vii.1900, F. E. McDonald, (F).
- Open rich ground, Peoria, vii.1901, F. E. McDonald, (F).
- Open rich ground, Peoria, vi.1903, F. E. McDonald, (NY).
- In fields, Peoria, vii.1903, F. E. McDonald, (GH).
- In fields, Peoria, abundant, vi.1904, F. E. McDonald, (GH).
- Dunning, Chicago, arena iuxta RR, 23.ix.1905, Herb. Frank C. Gates, 998, (F).
- Morgan Park Ridge, 4.vii.1907, Royal A. Dixon & L. Cornelia Gage, 745, (F).
- Along the Rock Island R.R. near 91st Street, Chicago, 28.vii.1907, J. M. Greenman, 1961, (MO).
- * De Kalb, 28.vii.1918, H. C. Benke, 1679, (F).

Near Christopher, Franklin Co., 6.vii.1940, George Neville Jones, 12339, (NY).

Bottomland along the Ill. River, 3 miles south of Spring Bay, Woodford Co., 27.vii.1941, George Neville Jones, 14316, (GH, MO).

On prairie east of Camp Point, 12.viii.1941, Robert A. Evers, 730 (NY).

* Mason Co., between Kilbourne and Bath, 15.vi.1958, George Neville Jones, 22053, (K).

Fields, common, E. R. Boardman, (H, L).

Wisconsin

Camp Douglas, 14.vii.1890, E. A. Mearns, 487, (US).

Wisconsin, Summer of 1892, L. S. Cheney, (H).

Columbia Co., south shore of Swan Lake, Sect. 1, T12N, R9E, E. of Portage, 12.vi.1934, J. J. Davis & N. C. Fassett, 18423, (GH, MO).

Dane Co., roadside, Middleton, Sect. 7, T7N, R8E, 13.vii.1951, Wm. V. Grotjan, 38, (TENN).

Lacrosse Co., weedy roadside behind the La Crosse Country Club golf course, 30.viii.1956, Thomas G. Hartley, 2791, (NY).

Minnesota

St. Anthony, 20.vii.1888, J. H. Schuette, (F).

Fort Snelling, very common on the borders of thickets, 21.vii.1888, Edgar A. Mearns, 487, (NY).

Copses, viii.1890, herb. Geo. B. Aiton, Minneapolis, (NY).

Fort Snelling, 18.vi.1891, E. A. Mearns, (US).

Spicer, Kandiyohi Co., viii.1892, W. D. Frost, (F, TENN).

St. Cloud, ix. 1892, F. W. Dewart, (MO; sub var. americanus).

Lake Sareh, Currie, vii.1922, F. P. Metcalfe, 1880, (US).

Itasca Park, Headwaters of the Mississippi River, roadside, loam, Clearwater Co., along N. boundary rd., 4.vii.1933, J. B. Moyle, 721, (GH; det var. communis, Tryon).

Abundant along Chicago, Milwaukee & St. Paul railroad, one mile west of Sumter, McLeod Co., 27.vi.1940, C. O. Rosendahl & J. W. Moore, 13299, (GH; sub var. americanus).

Douglas Co., Camp Carlos for Boys, Alex., vii.1940, E. D. McDonald Jr., (US).

In marsh, Detroit Lakes, 10.viii.1948, S. C. Hood, 1273, (FLAS; sub Con. americanus).

Edge of moist thicket, Long Lake, near Detroit Lakes, 13.viii.1948, S. C. Hood, 1294, (FLAS; sub Con. americanus).

Iowa

- Emmet Co., 1880, R. I. Cratty, 2172, (F).
 Ames, 1887, A. S. Hitchcock, (MO).
 Fayette Co., 2.vi.1894, B. Fink, 164, (GH, US).
 Field, Ames, 23.ix.1897, W. L. Johnson, (MO).
 Decatur Co., open woods, fields, common, 1.vii.1898, Fitzpatrick
 Collection, (F).
 Fields and thickets, Decatur Co., 13.vii.1904, J. P. Anderson, (MO).
 Ames, vii.1909, J. R. Campbell, 43, (GH, MO).
 Alluvial prairie S. of Amana, Iowa Co., 9.vii.1910, B. Shimek,
 (MO, NY).
 Prairie along C.R.I. & P. Ry., Spirit Lake to West Okoboji Station,
 Dickinson Co., 6.viii.1910, B. Shimek, (NY).
 Prairie border along road N. of Milford, Dickinson Co., 29.vii.1916,
 B. Shimek, (MO).
 High bank, clay soil, Iowa City, 22.vi.1932, Myrtle Dorland, 47, (MO).
 Allomakee Co., near New Albin, growing in thicket, 29.vi.1933,
 N. L. Jolstead, (MO).

Missouri

- Margin of woods, meadows, St. Louis, 30.vi.1860, George Engelmann M.D.,
 (MO).
 Fields env. of St. Louis, 1.vii.1860, (MO).
 Fence corners near St. Louis, 1.vii.1860, (MO).
 St. Louis, 1892, herb. N. M. Glatfelter, (MO).
 St. Louis, 27.viii.1894, herb. N. M. Glatfelter, (MO).
 St. Louis, 9.ix. 1902, N. L. T. Nelson, 27156, (FLAS).
 Courtney, low bottoms, 19.vi.1906, B. F. Bush, 3978, (GH, MO, NY;
 sub Con. americanus).
 Palmyra, Marion Co., waste soil, 6.ix.1912, Rev. John Davis, 3004, (MO).
 St. Louis, 30.iv.1914, W. H. Emig, 274, (MO).
 Courtney, low ground, 28.viii.1916, B. F. Bush, 7753, (MO; sub
Con. americanus).
 Gray Summit, Franklin Co., 10.viii.1927, John H. Kellogg, 1115, (MO).
 Gray Summit, Franklin Co., 31.vii.1928, John H. Kellogg, 1944, (MO).
 In old fields, federal wild life area east of Ashfield, Boone Co.,
 3.vi.1936, Francis Drouet, 3114, (GH).
 3 miles east of St. Peters, St. Charles Co., 9.viii.1939, Bill Braner,
 727, (MO).
 Holt Co., swales in bottoms of Missouri River valley, dominated by
Typha latifolia, T59N, R38W, SW sect. 14 and north part of sect.23,
 4-4 $\frac{1}{2}$ mi. south of Oregon, 20.vii.1952, Julian A. Steyermark,
 73846, (F; sub var. repens).
 (ibid) 73847, (F).

North Dakota

- Alluvial Red g, Sheyenne, 5.vii.1859, Dr. Hayden, Capt. Raynolds Exped., (MO).
 In the vicinity of Fargo, alt. 905 ft., soil black alluvial loam, 23.viii.1901, (E, GH).
 In thickets, Peninsula of Lake Ibsen, Benson Co., 7.viii.1909, Dr. J. Lunell, (NY).
 In open woods, Devils Lake, 2.viii.1912, H. F. Bergman, (NY; sub Con. americanus).
 Sweetwater Lake, Valley City, 6.viii.1917, D. C. Mabbott, 275, (NY).

South Dakota

- Custer, 5500 feet, viii.1892, P. A. Rydberg, Flora of the Black Hills, 904, (US).
 Fall River Co., common flood plains, Ardman, 2.viii.1911, S. S. Visher, 2696, (F).
 Belle Fourche, river bank, (with) Quercus, Salix, 29.vii.1926, Herman E. Hayward, 2, (NY; sub Con. americanus).
 Northern Black Hills, low flood plain, lower spearfish valley, alt. 3400, 10.vii.1941, F. L. Bennett, Herb. Black Hills Teachers College, (PH).
 Northern Black Hills, weedy roadside in deciduous woods, mouth of Spearfish Canyon, alt. 3600, 25.vii.1942, F. L. Bennett, Herb. Black Hills Teachers College, (MO).

Nebraska

- Above Council bluffs along banks of Missouri, 17.vi.1853, F. V. Hayden, (MO).
 Fort Union, vii.1853-54, F. V. Hayden, (MO).
 Ash Grove, 21.vi.1888, T. A. Williams, (US).
 Cheyenne Co., roadside east of Potter, 17.viii.1891, P. A. Rydberg, 262, (NY).
 On canon banks and in thicket form., Nuckolls Co., 17.vi.1899, Geo. G. Hedgcock, (MO).
 Nebraska, Marie Andersen, (C).

Kansas

- Manhattan, 1892, herb. Kansas State Agricultural College, (MO).
 Low ground, Riley Co., 18.vi.1895, J. B. Norton, 353, (GH, MO, NY, US).
 Town Reservoir, Pleasanton, Linn Co., 19.vi.1929, P. A. Rydberg & Ralph Imler, 67, (NY).
 1 mi. S. Baldwin, alt. 840 ft., sandy loam, hedgerow, 2.viii.1941, R. L. McGregor, E401, (FLAS, GH, US).

Montana

- Meadows, Snowy Mts., viii.1882, R. W. Springer, Northern Transcontinental Survey, XLV (E; sub var. americanus).
- Mouth of Hound Creek & Smith River, 3600', 2.viii.1883, F. Lawson Scribner, Northern Transcontinental Survey, (GH).
- Great Falls & Judith Basin, 4.vii. & 5.ix.1886, R. S. Williams, 665, (US).
- Helena, vii.1891, F. D. Kelsey, (F).
- East Gallatin Swamps, alt. 5000 ft., 24.vii.1896, J. H. Flodman, 730, (NY, US).
- Bozeman, 1897, Mrs. J. A. Henshall, 196, (F).
- Gallatin Co., Bridges Canon, 5.viii.1901, W. W. Jones, (GH).
- Park Co., 1901, Mrs. Emma W. Scheuber, 59, (NY).
- Bozeman, low thickets, 26.vii.1905, J. W. Blankinship, 406, (US).
- Prickly Pear Creek, 19.vii.1909, B. T. Butler, 4287, (NY).

Wyoming

- Fremont's Exp. to the Wind River Mts., 2.vii.1842, (NY).
- La Bonte River, NW of Laramie Peak, 8.viii.1858, Capt. Simpson's Exped. (MO).
- Sheridan Co., Dayton, 4000 feet, ix.1899, Frank Tweedy, 2279, (NY).
- Climbing in thickets, Glenrock, Converse Co., 13.vii.1901, Aven Nelson, 8392, (MO, P).

Colorado

- Manitou, 11.viii.1833, R. W. Woodward, (GH).
- Canon City, 1872, T. S. Brandegee, B423, (NY).
- Pleasant Park, 29.vi.1873, J. M. Coulter, Hayden's U.S. Geological Survey, (PH).
- Denver, 18.vi.1887, Tracy & Evans, 845, (NY).
- Overland Park, 25.vi.1891, E. C. Smith, (MO).
- Near San Miguel River, Montrose Co., long. 108W, lat. 38N, 2000 ft., 1892, Cardell Lees, (MANCH).
- Neighborhood of Pike's Peak, Colorado Springs, 6000 ft., 17.vii.1894, Ernst A. Bessey, (NY).
- Plains, Colorado Springs, 6000 ft., 19-21.ix.1895, Mrs. S. L. Clarke, (NY; sub Con. americanus).
- Climbing over bushes in the Cheyenne Canon, El Paso Co., 20.vi.1896, Biltmore Herbarium 290b, (US).
- Walsenburg, 11.vii.1896, C. L. Shear, 4776, (NY).
- Moist soil, Montrose, Montrose Co., 5.viii.1896, Biltmore Herbarium, 290a, (US).
- River flats east Fort Collins, 23.viii.1898, 1631, (NY).

Banks of the Cache la Poudre river near Fort Collins, alt. 5000 ft.,
23.viii.1898, C. S. Crandall, (US).
Cucharas Valley near La Veta, fields, alt. 7000 ft., 14.vii.1900,
F. K. Vreeland, 628, (NY).
New Windsor, Weld Co., 26.vii.1901, Geo. E. Osterhout, (GH, PH).
Piedra Creek, 13.viii.1904, E. O. Wooton, 2900, (US).
Shaded moist river bottom, alt. 5150, Bedrock, Montrose Co.,
2.viii.1912, Ernest P. Walker, 377, (E, US).

New Mexico

Abiquiu, 18.vii.1859, Newberry in McComb's Exped., (US).,
Mesilla Valley, Dona Ana Co., 7.vi.1895, E. O. Wooton, (NY).
Mesilla, Dona Ana Co., alt. 3900 ft., 21.vi.1897, E. O. Wooton,
(E, K, MO, NY, US).
In the Mesilla Valley, Dona Ana Co., 19.vii.1902, E. O. Wooton, (US).
In the Mesilla Valley, Dona Ana Co., approx. altitude 3850 ft.,
6.viii.1907, E. O. Wooton & Paul Standley, (US).
Along ditches, vicinity of Farmington, San Juan Co., altitude 1550
to 1650 meters, 18.vii.1911, Paul C. Standley, 7031, (US).
Low meadow, vicinity of Ute Park, Colfax Co., altitude 2200 to
2900 meters, 26.viii.1916, Paul C. Standley, 13853, (US).

Utah

Among willows on river banks, Cache Co., 17.viii.1897, Jas. N.
Linford, (US).
Jordan Valley, 4800 ft., vii.1869, Sereno Watson, 935, U.S. Geological
Exploration of the 40th Parallel, (US).
Wahsatch Mts., 6000 ft., vii.1869, Sereno Watson, 935, U.S. Geological
Exploration of the 40th Parallel, (NY).
Salt Lake City, altitude 4300 feet, 22.viii.1880, Marcus E. Jones,
2040, (BM, BR, F, GB, MANCH).
Salt Lake City, Salt Lake Co., in swampy places, alt. 4500, 5.ix.1905,
A. O. Garrett, 1692(a), (NY).
Frequent, field near O.S.L. Depot in Logan, Cache Co., 16.vii.1944,
A. H. Holmgren, 3573, (NY).

Idaho

Lake Pend d'Oreille, Kootenai Co., 8.viii.1889, Edw. L. Greene, (K,
US).
Lake Pend d'Oreille, Kootenai Co., 23.viii.1892, J. H. Sandberg,
D. T. MacDougall & A. A. Heller, 944, (US).

Moist rocky shores of Lake Pend d'Oreille, near Hope, 16.viii.1897,
Louis F. Henderson, 4111, (GH).

Moist thickets, climbing, alt. 2,200, Falk's Store, Canyon Co.,
28.vi.1910, J. Francis Macbride, 318, (MO, holotypus; E, GH,
NY, US, isotypi).

Oden Bay, lake shore, 11.vii.1929, J. H. Christ, 471, (NY).

Bonnors Ferry, on dike, 6.viii.1929, J. H. Christ, 630, (NY).

Payette, banks of Snake River, at bridge crossing river at north
edge of city, growing on Solidago, 22.vii.1945, J. H. Christ
& W. W. Ward, 15031, (NY).

Idaho, J. A. Allen, herb. College of New Jersey, (NY).

Washington

Wawawai, 31.vii.1893, C. V. Piper, 1694, (F).

Fish Hook Ferry, Franklin Co., alt. 210 meters, 18.ix.1894,
J. B. Leiberger, (US).

In fields, Natup, Almota, 9.viii.1896, C. V. Piper, (GH; det. var.
communis, Tryon).

Okanagan Co., twining about dense thickets along banks of Okanagan
River, Ophir, vii.1897, A. D. E. Elmer, 607, (MO, NY, US).

W. Klickitat Co., at Bingen, 19.viii. & 24. ix.1902, Wilhelm N.
Suksdorf, 2771, (F, L, MO, NY, US).

Oregon

Multnomah Co., vii.1877, T. J. Howell, 335, (GH; det. var. communis,
Tryon).

Hamis Ranch, Hood River, viii.1885, Drake & Dickson, (F).

Howells, Sunvies Island (?), ix.1890, Drake & Dickson, (F).

On old shell mound at site of ancient Indian Summer village, 500 yds.
N.E. of Columbia Boulevard Stn., Portland; undoubtedly cultivated
here by the Indians, 23.ix.1915, herb. J. William Thompson, 3648,
(WTU).

Wasco Co., dry ground at The Dalles, 2.vii.1927, J. William
Thompson, 2781, (WTU; sub Con. arvensis).

North America, others

Turkey Creek, 11.vii.1845, Fremonts 3rd Exped., 108, (MO).

Bottom of Moro River, 15.viii.1847, A. Fendler, *Plantae Novae-*
Mexicanae, 666, (MO).

Red River of the North, 1857, Robert Kennicott, (F).

Loup Fork (?), 24.vii., Senace (?), 142, (MO).

Banks of the Missouri river, 29.viii.1883, F. Lawson Scribner,
Northern Transcontinental Survey, 180, (US).

R.R. tracks south of Ithaca, v.1899, G. T. Hastings, Flora of the Northern United States, (NY).

The following specimens were seen by the author at the beginning of his research when insufficient information on them was recorded. They are probably referable to subsp. angulata but are cited now with some doubt as they would indicate a more easterly distribution of the subspecies than is indicated by the above specimens. They are marked on the map, as small circles.

CANADA

New Brunswick

Kings Co., river bank (St. John R.), Ingleside, Westfield, 8.viii.1909, M. L. Fernald, (GH; var. typica, Fernald).

10 miles S.E. of Fredericton, Sunbury Co., waste lot, sandy clay soil, 22.vii.1953, I. J. Bassett & G. A. Mulligan, 2869, (DAO).

St. Andrews, Charlotte Co., near no.1 highway, waste lot, sandy soil, 24.vii.1953, I. J. Bassett & G. A. Mulligan, 2887, (DAO).

Quebec

Ile a deux tetes, 12.vii.1926, F. Marie Victorin, 25611, (GH).

Ontario

Frontenac Co., Oso Township, Sharbot Lake, sedge meadow in seldom grazed pasture, vine on Hypericum and Vicia, 31.vii.1952, J. M. Gillett & W. G. Dore, 6728, (DAO).

U.S.A.

Maine

Around the old building site, S. Berwick, 21.viii.1898, J. C. Parlin, (GH; det. var. communis Tryon).

New Hampshire

Thickets, Jaffrey, 15.vii.1897, B. L. Robinson, (GH; det con. sepium typical, Tryon).

Vermont

Roadside, Mechanicsville, 30.vii.1906, Miss I. W. Anderson, (GH;
det var. communis, Tryon).

Roadside, Norwich, 15.vii.1910, Emile Francis Williams, (GH;
det var. communis, Tryon).

C. sepium subsp. spectabilis var. spectabilisFINLANDAhvenanmaa

- Jomala, Mockelo, Godselhog, 30.vii.1936, Ernst Hayren, (H).
 Maarianhamina, Harannan pensaivorra ja taytemaakentalla linja,
 autoaseman kokdalla, 19.viii.1957, Jaakko Jalas, (H).
 Mariehamn, scrambling on roadside grasses, Skillnadsgatan,
 9.viii.1959, R. K. Brummitt, 59.S.165, (LIVU; sub C. sepium
 var. americana).
 Between Jomala and Golby, straggling on roadside grasses about
 3 miles south of Golby, 9.viii.1959, R. K. Brummitt, 59.S.187,
 (LIVU).
 Mariehamn, very prolific on waste ground and piles of sawdust on
 shore near main bus station, 9.viii.1959, R. K. Brummitt,
 59.S.202, (LIVU).

SWEDENMalmohus

- Lund, 24.vii.1949, Th.Brandt, (LD).
 Halsingborg, Ramlosa jostn. fra utfyllning, 17.vii.1950, Th.Lange,
 (UPS; sub C. silvestris; det. videtur sepium var. americana,
 N. Hylander).
 Halsingborg, Braungrofen vid Ringstorp, 7.x.1950, Th. Lange, (LD).

Kristianstad

- Bastad, Malen, forvildad utanfor tradgard, 25.viii.1949, Carl Blom,
 (GB; sub C. silvestris).

Blekinge

- Torhamn, Grebbegarden, 10.vii.1951, Bjorn Berglund, (LD, UPS).

Halland

- Fjaras socken, Lii forvildad vid vag, 8.x.1950, Folke Lundberg, (GB).
 Varberg, a tomter etc. taml. allman, 20.ix.1953, Folke Lundberg, (GB).
 Fjaras, Tjolohohn, a strandang bland Phragmites soder om slottet,
 23.vii.1959, Folke Lundberg, (GB).

Kronoberg

Vexio Systiabo, viii.1934, A. S. Trolander, (LD; sub Con. sepium
F. colorata).

Jonkoping

Uncultivated place in Tenhult, alt. 200 m., 14.viii.1940, Leva
Ostrand, (LD; sub Con. sepium F. coloratus).

Kalmar

Flora alen Vastervik, 8.viii.1908, Albert Flink, (LD).

Vastervik, growing mixed with + identical but white-flowered plants
(same leaf shape, occasional twin flowers etc.) at edge of Baltic
inlet near main harbour, 2.viii.1959, R. K. Brummitt, 59.S.113,
(LIVU).

Vastervik, waste ground at roadside about $\frac{1}{2}$ mile west of town,
2.viii.1959, R. K. Brummitt, 59.S.120, (LIVU).

Gotland

Klintehamn, utkasthog vid station, 23.viii.1919, E. Th. Fries, (LD).

Klintehamn, 17.viii.1924, E. Th. Fries, (LD; sub C. sepium var.
coloratus).

Klintehamn, utkasthog vid station, 25.viii.1948, E. Th. Fries, (GB).

Goteborg och Bohus

Stromstad, utkastplatsen a Valemyr, 18.viii.1938, Krister Bokman,
(GB; sub C. sepium var. colorata).

Bohuslan, Herrestads sin Mln Buvattnet och Stora Kolnevattnet pa
odetomt, 10.vii.1939, Nils Grimvall, (GB; sub Con. sepium F.
coloratus).

Boh., Odsmars sin, Abacka mandelstradgard v. jordhammar, 30.vi.1945,
Emil Almquist, (GB; sub C. sepium F. colorata).

Vinga, 30.vii.1948, Harald Fries, (GB, S).

Backa, Brunnsbo, in ruderatis, 10.ix.1949, Carl Blom, (GB, LD).

Molndals ovre bangard, 15.vii.1952, Carl Blom, (GB).

Goteborg, Hogsbotorpen, dikekant utanfor tradgard, 16.vii.1958,
Carl Blom, (GB).

Molndal, Kickas, in ruderatis, 5.viii.1959, Carl Blom, (GB).

Goteborg, Hogsbotorpen, border of a ditch, 9.viii.1958, Carl Blom,
(GB; paratype).

Molndal, prope Papyrus, in ruderatis, 13.viii.1958, Carl Blom, (GB).

Molndal, Krokslatt, in ruderatis, 13.viii.1958, Carl Blom, (GB).
 Molndal, Lackareback dikeskant, 15.viii.1958, Carl Blom, (GB).

Alvsborg

Skallsjo, Tollered, 15.vii.1899, August Bagge, (US; sub Con. sepium
 b. coloratus).
 Skallsjo socken, viii.1900, C. G. H. Thedenius, (US; sub Con.
sepium b. coloratus).
 Skallsjo, Tollered, 1901, (C.G.H. Thedenius, (S).

Skaraborg

Vid Skagern, 20.viii.1892, K. Kronquist, (GB).
 Skofde, skoltradgard (forv.), vii.1906, C. M. Ryden, (FI; sub
Con. sepium b. coloratus).
 Skofde, skoltradgard (folvild.), viii.1906, C. M. Ryden, (S; sub
Con. sepium var. colorata).
 Skofde, viii.1901, C. M. Ryden, (LD; sub C. sepium var. colorata).
 Skofdetrahten, 1917, A. Heulphers, (S).

Ostergotland

Ombergsturisthotell, 1908, J. Erdmann, (S).
 Lingstad, 2.viii.1922, P. A. Tusen (?), (LD; sub C. sepium var.
colorata).
 Norrkoping, 30.viii.1923, Bengt Flach, (LD, S; sub C. sepium var.
colorata).

Orebro

Sorby, 1908, G. Hjort, (S).
 Kimla, Sorby: ... busk snar, vii.1913, Gaufr. Hjort, (LD).
 Svennevad, Sorgarden, 23.vii.1940, Gosta Kjellmert, (LD).
 Orebro, 1940, Sven Petterson, (S).
 Svennevad, Gropen, 26.vii.1942, Gosta Kjellmert, (GB, LD).
 Svennevad, sorgarden, 23.vii.1946, Gosta Kjellmert, (NY).
 Svennevad, Sorgarden, 25.vii.1947, Gosta Kjellmert, (LD).

Sodermanland

Nykoping, hamnen nara fullkammaren, 13.viii.1918, Carl Blom, (GB;
 sub C. sepium var. colorata).
 Sartsjo-Davasas (?), 1932, N. Johnsson, (S).

Stockholm

- Bevuksdal, 1894, S. Velander, (S).
 Stockholm, 1895, H. T. Benckert, (S).
 Osmo ... Yedo, 18.viii.1911, Ernst. Nordstrom, (GB).
 Sigtuna, 1912, A. L. Segerstrom, (S).
 Hammarby, 23.viii.1924, G. A. Ringselle, (LD; sub C. sepium var. colorata).
 Stockholm, 1924, Langerkranz, (S).
 Lidingo, near Stockholm, 1925, S. Grapengeisser, (S).
 Oregrund, 1925, Carl Pleijel, (S).
 Stockholm, riksmuseum, 1927, J. R. Jungner, (S).
 Stockholm, 1930, C. Pleijel, (S).
 Lidingo, vid Vasavagen, 16.viii.1931, Fredr. Sundstedt, (GB, LD; sub C. sepium var. colorata).
 Nacka, 3.viii.1932, Artur E. Swensson, (S).
 Nacka, 26.viii.1932, Artur E. Swensson, (S).
 Tanto, the lake Arsta, Stockholm, 26.viii.1932, Aron Valentin, (NY).
 Strand Nor Malarsko, 1935, M. Essen, (S).
 Sodertelje Blombacka, 1935, Lundstrom, (S).
 Stockholm, Hagersten, sydostra hornat av L. M. Eson, cult., 1.ix.1951, R. Ohlsen, (LIVU, UPS).
 Stockholm, waste ground alongside Naturhistoriska Riksmuseet, Frescati, 7.viii.1959, R. K. Brummitt, 59.S.128, (LIVU).

Uppsala

- Uppsala, Sandhalan, potatisakron, viii.1907, Arne Fries, (GB, LD).
 Uppsala, sect.II, sandgrop vid Sjukhusvagen, 4.vii.1946, Lars Fagerstrom, (H; sub Con. sepium f. coloratus).
 Gamla Uppsala, 30.vi.1948, Axel Ekstedt, (LD).

Vastmanland

- Farnobo, Rosbro, vii.1926, Nils Johnsson, (S; sub C. sepium var. colorata).

Gavleborg

- Gavle station, 8.viii.1899, K. Stenhoff, (GB).
 Soderhamn vid hamnen, viii.1907, Gustaf H. J. Dahl, (S; sub C. sepium var. colorata).
 Ljusdals sin Barr by, 30.vii.1920, Gottfrid Lidman, (S; sub Con. sepium f. coloratus).
 Bjuraker sn., Skalsvedja vid N. Dellen, 6.viii.1948, Magnus Engstedt, (S).

Delsbo sn. vid Stommesjons sydostra anda, 24.viii.1948, Magnus Engstedt, (S).

Ovanakers sn. ruderatmack vid Edsbyns, jogstn., 2.ix.1949, Sven Kilander, (UPS; holotype).

Vasternorrland

Harnosand, viii.1924, Nils Johnsson, (LD; sub C. sepium var. colorata).

Harnosand, ix.1924, Nils Johnsson, (S; sub C. sepium var. colorata).

Norrbottn

Pitea backastplats, 1-7.viii.1939, Gosta R. Cedergren, (S; sub Con. sepium f. coloratus).

Sweden, others

Uppland, 1887, S. J. Ohlsson, (S).

Smaland, Madesjo Kyrkogard, 22.vii.1908, Sigfrid O. Medelius, (LD; Con. sepium f. coloratus).

Uppland, Lofata Jarfalla, 1913, J. S. Mafelgylas (?), (S).

Uppland, Varmdosa Trasno, 1925, H. Dahlstedt, (S).

Vastergotland, Stugunas, 1926, G. Neander, (S).

Vastergotland, Ganerasen, 1929, G. Neander, (S).

Vastergotland, Karleby, nara kyrkan, 11.ix.1934, Axel Hillestrom, (UPS; sub Con. sepium var. coloratus).

Ob skogsbacka nara Ensjon, 13.ix.1936, Harald Mohlins, (LD; sub C. Sepium var. colorata).

Vastergotland, Karleby, nara kyrkan, 9.ix.1939, Axel Hillestrom, (LD; sub Con. sepium var. colorata).

Skane, St. Hammer, 28.vii.1949, Henning Nilsson, (LD).

Skane, Lackalange, Nils Johnsson, (LD; sub C. sepium var. colorata).

Jarfalla, Lofata, Uppland, A. L. Segerstrom, (S).

NORWAY

Sogn og Fuordane.

~~Aurland~~, by cottage garden, 1963, Eliz.A.Pilling (LIVU).

~~Laerdal~~

GERMANY

Bayern

Munchen - Neulustheim in einer Kiesgrube (a.d.Bot.Gart.verwildert, 15.vii. 1928, Weisenbeck (M).

GREAT BRITAIN

48. Merionethshire.

Arthog, south-west of Dolgellau, waste garden and on railings, Bron Fegla, neat Barmouth Junction (Morfa Mawddach) Station, 23/632147, 15.vii.1961. P.M. Benoit (LIVU).

C. sepium subsp. spectabilis var. Fennica Brummitt, ined.

FINLAND

Turku ja Pori

Dragsfjärd, Langvik, backe, 27.vii.1929, Jarl Heikel, (H).
Taalintehdas, in fruticeto ripario, ca. 200 m. a Fabrica, 19.viii.1960,
Hannu Aarnio, (H).
Kaatopaikka Otettu.

Uusimaa

Helsingfors, Fillnadsplats, Tavastvag., Gamm. viken, 9.viii.1942,
Elis F. af Hallstrom, (H).
Helsingfors, strandsluttning nara Gammelstadsviken, 1.viii.1943,
L.S.G. (?), (H).

Hame

Latakunta, Ylojarvi socken, Lielhti, akertappa, 6.viii.1939, Gosta
Foman, (H).
Tampere, Vuohanoja Niilty, 17.viii.1951, Prami Talvitee, (H; sub
var. americanus).
Asikkala, Vaarsky, Ranhala gammal tradgard, 17.viii.1951, Ernst.
Hayren, (H; sub f. coloratus).
Riihimaki, Etukasarmi, Kaatopaikka, 7.vii.1951, Erkki Vilpa, (H;
sub var. americana).
Latakunta, Ylojarvi socken, Lielhti, akertappa, 6.viii.1958, Gosta
Foman, (H).
Kouvola, vid bangarten i sandjord pa assluttningen, cp., 23.vii.1961,
F. W. Klingstedt, (H).

Kuopio

Kuopio, escaping through garden fence from semi-cultivation in
Niemenkatu (in cultivation trained round doorway 50 yards away),
15.viii.1959, R. K. Brummitt, 59.S.255, (LIVU).

Finland, others

Kaatopaikka Otettu, Faalintehdes, 19.vii.1950, Ali Turuner, (H).

SWEDENVarmland

Karlstad, 27.vii.1899, A. Hulphers, (H, LD, S; sub. Con. sepium var. coloratus).

Molkom, viii.1910, N. A. Johanson, (GB; det. C. sepium var. americana, N. Hylander, 1949).

Sunne N. Amberg, 5.ix.1916, Oscar Ohlin, (LD).

Karlstad, 14.vii.1933, Ragnar Ohlsen, (H; sub. C. Sepium var. colorata).

Karlstad, kulturreat., 24.vii.1933, Ragnar Ohlsen, (H; sub C. sepium var. colorata).

Alvsborg

Nodinge, Surte, 20.viii.1927, Harald Fries, (GB, LD, S; sub f. colorata).

C. sepium subsp. appalachiana Brummitt, ined.

Specimens with an asterisk * have no indication of flower colour and could include some with white corolla (see p.).

UNITED STATES OF AMERICA

North Carolina

- * Biltmore, ix.1894, Biltmore Herbarium 290, presented Mrs. George W. Vanderbilt, (US).
 The Pinnacle, Black Mountains, alt. 5000-5693 ft., 17.vii.1925, P. A. Rydberg, 9421, (NY, PH; sub Con. americanus).
 Pisgah Mountain, S. B. Buckley, (NY).
 In montibus Carolinae et Georgiae, S. B. Buckley, (MO, TCD; probably same collection as preceding specimen).

Kentucky

Climbing in shrubs, top of Big Black Mountain, near the state line, Harlan County, 17.vi.1936, W. H. Camp, 1513, (NY; sub Con. americanus).

West Virginia

Raleigh Co., common on weeds along New River at Hinton, 28.vi.1941, John Paul Tosh, 826, (US).
 Davis, Canaan Valley, Tucker Co., alt. 900-1200 meters, a vine used extensively in this town as a porch climber ..., 6.viii.1943, H. A. Allard, 10978, (US; sub Con. japonicus).
 Near Dolly Sods, Canaan Valley, Tucker Co., alt. 900-1200 meters, 4.viii.1950, H. A. Allard, 19748, (US; holotype).

Virginia

Peaks of Otter, vi.1895, J. R. Swinnerton, (M).
 Virginia Blue Ridge, Bedford Co., Blue Ridge Parkway Proj. J. Sta. 84, on Apple Orchard Mt., 24.vii.1947, Ruskin S. Freer, 1716, (GH).

New Jersey

- Franklin, vii.1879, herb. H. H. Rusby, (MO).
 * Fredon, roadside, Sussex Co., 5.vii.1907, N. L. Britton, (PH).
 * Roadside thickets, Netcong, Morris Co., 21.vi.1908, Kenneth K. Mackenzie, 3169, (MO).

Pennsylvania

- Mtville, vii.1890, A. F. Eby, herb. Mrs. A. F. Eby, Lancaster Co., (MO; sub Ipomaea lacunosa).
 Vicinity of Dillerville, Lancaster Co., 25.vii.1890, John K. Small, (US; sub var. americana).
 * Pocono Plateau, Monroe Co., near Naomi Pines, 25.vii.1893, Dr. & Mrs. N. L. Britton, (NY).
 * Bushkill, Pike Co., river shore, 26.vi.1914, Edwin B. Bartram, 3570, (PH).
 * Bushkill, Pike Co., river flat, 14.vii.1917, Edwin B. Bartram, (PH).
 Climbing over weeds along fencerows, North Warren, Warren Co., 7.vii.1945, Harold N. Moldenke, 17691, (BR).
 Lehigh Co., cinders, 1 mile s.e. of Vera Cruz, 31.viii.1951, R. L. Schaeffer, jr., 38175, (PH).
 Nazareth, Schulenberg 1325, in herb. Schreber, (M).

New York

- * Wurtsboro, Sullivan Co., vi.1873, H. Eggert, (MO).
 * Broome Co., Binghamton, moist banks, 27.vii.1884, C. F. Millspaugh 187, (F).
 * Pine Cottage (Port Chester), 22.vi.1886, Louise Merritt Stabler, (GH).
 Emerson, 11.vii.1887, herb. J. Fowler, (MO, QUK; sub var. americanus).
 * Cooperstown, 21.vii.1888, herb. Mrs. L. M. Parker, (GH; det var. communis, Tryon).
 * Fleishmanns, Delaware Co., 15.vii.1892, Hermann Schrenk, (MO).
 Lake George Region, east of Vaughns, north of Hudson Falls (Sandy Hill), Washington Co., 19.vi.1896, Stewart H. Burnham, (GH; det var. communis, Tryon).
 Schroon River, 8.ix.1900, Dr. & Mrs. N. L. Britton, (NY).
 Edge of woods, Valley Mills, Madison Co., 7.vii.1905, H. D. House, 1145, (MO; sub Con. americanus).
 Lake George Region, meadow north of Vaughns schoolhouse, north of Hudson Falls, Washington Co., 15.vii.1913, Stewart H. Burnham, (PH).

Connecticut

- So. Glastonbury, 10.vii.1890, Frances Wilson, (WTU; paratype).

Massachusetts

- * Amherst, 11.vi.1877, Ladd, (F).
- * Amherst, vi.1890, (WTU).
- Berkshire Co., hedgerow, Mt. Washington, 12.vi.1923, H. B. Meredith, (PH, TENN; det var. americana, O'Donell).

Vermont

- * Peacham, 21.viii.1881, Ferdinand Blanchard, (MO, PH).
- * Peacham, 27.vii.1883, Ferdinand Blanchard, (MO).
- Peacham, troublesome in cultivated grounds, 19.vii.1884, Ferdinand Blanchard, (F, MO, NY).
- Manchester, 14.vii.1898, M. A. Day, 122, (US).
- * Proctor, creek bank, vii.1898, H. J. B., 276, (NY).

New Hampshire

- * Holderness, vi.1890, T. G. White, 75-4-1, (NY).
- Coos Co., scandent on rose hedge N. of Monadnock House, dry soil, Colebrook, 17.vii.1907, A. H. Moore, (GH; det var. communis, Tryon).
- * Merrimack, open roadside, 22.viii.1921, Charles Foster Batchelder (TENN; det var. americana, O'Donell).
- Hillsborough, open roadside, 17.vii.1925, Charles Foster Batchelder, (MO).

Maine

- Roadside, Hartford, vii.1885, J. C. Parlin, (GH; det var. americanus, Tryon).
- Machias, 30.vii.1897, P. L. Ricker, 281, (US).
- Washington Co., roadside thicket, Pembroke, 23.vii.1909, M. L. Fernald, (GH; det var. communis, Tryon).
- Waldo Co., valley of Marsh Stream, alluvial thicket, Frankfort, 21.vii.1916, M. L. Fernald & Bayard Long, 14417, (PH).
- * Washington Co., dry thicket, old house-site, Wesley, 15.viii.1917, Clarence H. Knowlton, (PH).
- In a wet meadow, Machias, 14.viii.1954, K. P. Jansson, (GB).

Michigan

- Near Port Huron, 5.vii.1896, Chas. K. Dodge, (E).

Minnesota

- N. P. Junction, vii.1889, F. F. Wood, (US).
- Thompson, vii.1891, J. H. Sandberg, 389, (GH, US).
- Itasca Co., aspen woods at Blythes, 3 miles N. of Inger, 1.vii.1928, A. M. Johnson, 3139, (GH).

Cass Co., along road to Cedar Beach, Big Thunder Lake, 9 mi.
south of Remer, 29.viii.1940, Donald Richards, (F).

CANADA

New Brunswick

St. Andrews, 1932, Mrs. C. D. Walcott, (US).

C. sepium subsp. erratica Brummitt, ined.

CANADA

Ontario

1 mi. w. of St. Davids, Lincoln Co., edge of cultivated field,
27.vi.1945, W. J. Cody, 100, (DAO).
St. Davids, Lincoln Co., roadside clay, 27.vi.1945, W. J. Cody,
107, (DAO; sub Ipomaea pandurata).

UNITED STATES OF AMERICA

New York

Cayuga Lake R.R., 22.vi.1877, William Trelease, (MO).
Watkins, viii.1887, G. McCarthy, (US).
Watkins Glen, viii.1887, G. McCarthy, (US).
Greatsingers Corner, Chemung Co., moist soil or along streams,
6.vii.1895, herb. Dr. T. F. Lucy, 7663, (F).
Tioga Co., 189? C. F. Millspaugh, (F).
Field, east of East Ithaca station, Ithaca, Tompkins Co., 12.vi.1908,
H. B. Brown, (W).
Ithaca, 1.vii.1923, F. Maidl, herb. H. Zerny, (W).
North Bend, Washington Co., 24.vi.1934, J. A. Drushel, 9313, (MO).
In field near Forest Home, N.E. of Ithaca, Tompkins Co., 2.x.1940,
E. S. Ford, 584, (FLAS).
Otisco Valley, F. C. Straub, (US).

New Jersey

Burlington Co., sandy gravelly tidal shore, s.w. along Delaware
River, Fieldsboro, 4.vi.1918, Bayard Long, 18898, (PH).

Pennsylvania

Cresson, vii.1890, A. F. Eby, (MO; sub Ipomaea pandurata).
Allegheny Co., Carnot, 10.vi.1899, John A. Shafer, (MO).

Troy, Bradford Co., 19-20.vii.1913, Edwin B. Bartram, (PH).
Mercer Co., swamp 1 mi. S. of Swamp Root, 14.vi.1937, L. K. Henry,
576, (F, PH, US).

Michigan

Alma, 13.vii.1889, Charles A. Davis, (MO; sub var. americanus).
Around deserted house, Schoolcraft, 6.vi.1903, A. B. Burgess,
51, (F; sub Con. repens).
Roadside, Schoolcraft, 30.ix.1903, A. B. Burgess, 392, (F).

Indiana

Along fences, common in Wells Co., 22.vi.1897, Chas. C. Deam, (F).

Illinois

Fields, Naperville, 28.vi.1898, L. M. Umbach, (F, US).
Lower Wabash Valley, about 10 miles n.e. of Olney, Richland Co.,
25.v.1925, Robert Ridgway, 2397, (F, MO).

Oregon (introduced)

In plowed field east of State Prison, Salem, 22.viii.1920, J. C.
Nelson, Introduced Plants of Western Oregon, 3313, (GH, PH).

C. silvatica (Kit.) Griseb. subsp. silvaticaTANGIER

- Tanger, 1889, Talcot Williams, 232, (US; sub C. sepium).
 Tanger, iv.1921, C. Pau, Viaje Botanico por la Mauritania, (MA;
 sub C. sepium var. tangerina Pau).

SPANISH MOROCCO

- Tetuan, 5.v.1921, C. Pau, Viaje Botanico por la Mauretania,
 (MA; sub Con. sepium var.).
 Xauen, 10.vi.1921, M. Vidal Lopez, (MA; sub Con. sepium var.
silvaticum ?).
 Malalien (El Haus), campos, 23.iv.1926, Vidal Lopez, 450, (MA;
 sub Con. sepium).
 Hab. juxta Xauen ad sepes, 650 m. alt. 28.v.1928, Font Quer, Iter
 Maroccanum 315, (BM, MA).

ALGERIAAlger

- Algir. (c.1756, Brander, Fide Savage, 1945) (LINN).
 Algiers, viii.1832, (BM; sub Con. sepium var.)
 Hab. in ditione urbis Alger, loco dicto Hussein-Dey, inter
 fruticetis et in arundinetis, 8.v.1879, M. Gandoger, Flora
 Algeriensis exsiccata 342, (FI; sub Con. sagittatus W.K.).
 Environs d'Alger, haies, Printemps 1869, C. - L. Durando, (P; sub
C. sepium).
 Algiers, Bove, 222, (FI, K, W).
 Alger, 1810, leg?, vom Botan. Garten Munchen 1932 Uebergeben, (M).

Constantine

- Env. Bone. iv.1833, (BR; sub C. sepium).
 La Calle, in dumetis umbrosis, 4.v.1841, herb. de la Commission
 scientifique de l'Algerie Recueilli Par les soins de M. Durieu
 1840-44, (P; sub C. sepium).
 El Arrouch, 1847, K. Guyon, (BR; sub Con. sepium).

TUNISIA

Murbeck (1905) indicates that *C. silvatica* is common in northern Tunisia, listing specimens.

Tunetia sept., Ain Draham, 8.vi.1903, Sv. Murbeck, (LD).

ITALYToscana

Elba. Marciana Marina, 22.v.1870, E. Marcucci, (FI).

Abruzzi e Molise

Teramo. Ponte d'Arno Presso Fano Adriano, in silvaticis, vii.1948, (BI).

Others. Abruzzan, 1847, Rabenhorst, (BM; sub *C. sepium*).

Lazio

Roma. Romae, 1828, Mauri, (P).

Circa Tibur (Tivoli), 7.vii.1848, (W).

Roma, 20.vi.1873, Dr. Marchesetti, (FI).

Villa Gregoriana, Tivoli, nella macchia, 7.vi.1891, Mari, (FI).

Albaner-gebirge, zu Marino & Grotteferrata an Berghangen, 23.v.1905, C. J. Mayer, (M; sub *Con. sepium*).

Circa Romam, G. Cuhoni, (COI; sub *Con. sepium*).

Tivoli, 325, (E).

Roma, (BR).

Campania

Caserta. 10 km N.E. of Caserta, 29.v.1959, D.A. Webb, (TCD).

Napoli. 'Tenore misit a Napoli, Nov.1825' herb. J. Gay, (K; sub *C. sepium*).

Naples, vi.1829, herb. Maire, (P).

Ad sepes circa Neapolim, Tenore misit 1830, herb. J. Gay, (K).

Ex Monte S. Angeli, prope Neapolim, vi.1841, J. Ball, (E).

Ex Insula Caprearum, prope Neapolim, iv.1842, J. Ball, (E, MANCH).

Ad sepes prope Neapolim, da Tenore 1844, 131, (FI).

Sorrento, iv.1848, Puggand, (C).

Liseron des haies, Gulf of Naples, v.1851, (MO: sub *Con. sepium*).

Neapolis, prope lacum Fusaro, 30.v.1890, S. Sommier & E. Levier, (FI).

Ad sepes et in silvaticis, Insula Ischia, 12.v.1895, herb. Mary F. Spencer, (F).

Ad muros, ad sepes Insula Ischia, 22.v.1904, herb. Mary F. Spencer, (MANCH).

In nemoribus prope Portici, alt. 50 m, solo siliceo, 2.vi.1909, G. Pellanda, Flora Italica Exsiccata ser.II, Fiori & Beguinot, 1729, (BM, FI, K, OXF; sub *Con. inflatus* Desf.)

Portici, 8.vi.1909, G. Pellanda, (LD).
 Caxa dei Tirreni, in silvaticis, v.1913, Guadagno, (BM).
 Selve ad Agnono, vi.1922, M. Guadagno, (FI; sub Con. inflatus
 Desf.)
 Ad sepes in insula Caprearum, de Heldreich, (H).
 Prope Neapolim, G. Gasparrini, herb. Pittoni, (W).
 Neapoli, Heckel, (W).
 Neapolis, Gussone, herb. Richard, (P).
 Ischia, Guss., (P,W).
 Napoli, Gussone, (H).

Salerno

Ravello, walls, 2.vii.1883, herb. Lacaita, (BM).
 Ravello, in silvis versus Fontana Caruso, 17.vi.1908, herb.
 Lacaita, (BM).
 Monte Alburno, a monte di controne, 30.v.1951, A. de Philippis,
 G. Moggi, (FI).
 Persano, bosco sciafilo con farnia, presso il fabbricato, 31.v.
 1951, G. Negri, G. Moggi, (FI).
 Waste ground near Ravello, branded with pink, 1.vi.1959, D.A. Webb,
 (TCD).
 Roadside hedge 1 km. N. of La Vaccuta at head of Vallare del
 Marcellino, 15 km. E. of C. Palinuro, Cilento, 8.vi.1961,
 A. D. Chater, 4521, (LIVU, LTR).

Puglia

Foggia. Nella Basilicata nel Gargano, Tenore misit ix.1827, herb.
 J. Gay, (K; sub Con. lucanus nob.; det C. sylvestris, Webb;
 'obviously silvatica', Stace).
 Da Rodi a Peschieri, 19.v.1893, U. Martelli, Iter Garganicum, (FI;
 sub C. sepium).
 Gargano, bosco sfilze (tra Umbria e Vieste), suole calcare, alt.
 400-500 m, 23.v.1913, Adr. Fiori, (FI; sub Con. inflatus).
 Gargano, Foresta Umbra presso la casa forestale, suole calcare,
 alt. 800 m, 9-11.vii.1915, Adr. Fiori, (FI; sub Con. sepium v.
inflatus (Desf.)).
 Near Volturara Appula, 7.vi.1959, D. A. Webb, (TCD; see also
 possible hybrids).
 Gargano (Tenore) Hecke, herb. Endl., (W; sub Con. lucanus Ten.)
 In Lucania, Gargano, Giordan, (BR; sub Con. lucanus).
Taranto. Gravina delle Madonna della Scala, Massafra, 29.v.1953,
 V. Grimaldi, (BI).
Lecce. Foresta di Gallipoli-Cognato (Basilicata) in silvis,
 29.vi.1921, (BM).

Basilicata

Dintorni di Melfi, 9.vi.1898, Adr. Fiori, (FI).
 Potenza ad sepes prope rivam Gallitello, solo argilloso, alt. 1750
 m, vi.1911, O. Gavioli, 9831, (FI; sub Con. inflatus).

M. Vulture, in dumetis et in silvis, 18.vi.1924, C. Lacaita et O. Gavioli, 7501, (FI).

Monte Vulture, in silvis regionis media, 18.via.1924, herb. Lacaita, (BM).

In silva 'Monticobis' (?), loco 'Moncosa di S. Michele', alt. 700 m, 2.vii.1932, O. Gavioli, 17772, (FI; sub Con. lucanus Tan.).

Calabria

Ad sepes prope Palme (?) in Calabria, 23.v.1877, Arcangeli, (FI).
Alli, 26.v.1883, A. Fiori, (FI).

Sicilia

Lipari. Lipari, da Mandralissa in Ott. 1818, (FI).

Messina. Messina, vi.1846, Rev. M. D. Babington, (CGE, NY).

Between Messina and the promontory Pelorus, iv.1855, herb. John Stuart Mill, (K).

Capo S. Alessio, 5.v.1956, Arena, Rosso & Gramuglio, (FI).

Ganzirri, 10 km. N. of Messina, roadside weed growing on *Arundo donax*, sandy soil, 23.iv.1961, C.D.K. Cook, (LIVU).

Catania. Luoghi aridi vulcanici Catania ali Olivetti, 16.ix.1868, Parlattore, (FI).

Catania, waste ground on lava rock by sea, northern suburbs of town, climbing over *Rubus* bushes, 14.v.1960, R.K. Brummitt, 60.E.160, (LIVU).

Siracusa. Siracusa, da Cassia, vii.1845, (FI).

Hedge at Syracuse, iii.1855, herb. J. S. Mill, (K).

In sepibus, in dumetis et in locis humidis, Avola, iv.vi, Bianca, da Bianca in iii.1861, (FI).

Syracuse, 18.iv.1913, H. E. Fox, (OXF).

Ragusa. Ragusa, limestone bank by main road on south side of town, 21.v.1960, R. K. Brummitt, 60.E.474, (LIVU).

Ragusa Ibla, in valley below Ragusa, scrambling over *Rubus* etc. on limestone bank, 200 yards from pink striped form, 21.v.1960, R. K. Brummitt, 60.E.502, (LIVU).

Palermo. Presso Castelbuono, vi.1838, Parlattore, (FI).

Castelbuono, siepi, da Mina v.1846, 230, (FI).

Capaci, 18.v.1872, Aniti, (FI).

Agrigento. In monte Cammarata, collected by an unknown botanist about 1850, herb. C. Bailey, (MANCH).

Trapani. Castelvetrano, 20.vii.1888, Calcara, (CAT).

Sicilia, others. Sicilia, da Sorrentino, vii.1854, (FI).

Ex herb. R. diC. Alexander, 1845, (MANCH).

Inter Siracusa & Catania, Kamphduener, (C).

Sicilia, herb. Steven, (H).

Italy, others.

In Lucania et Apulia saepibus, Tenore, (W; sub Con. lucanus).

Nelle siepi e frutiveti, umidi, Mess. a Curcuran(?), Nicotra, (W (Hal.)).

Nelle siepi, Calabria, (H).

In Lucania, Gargano, F. Giordano, (BR; sub Con. lucanus).

In saepibus communis, Tenore, (W; sub Con. sylvaticus Kit.)

Lucania, Kingdom of Naples, Prof. Gasparini, 1839, (CGE).

JUGOSLAVIA

Hvratska

Spalato, Monte Marian, 1902, G.A. Poscharsky, (LD).

An Hecken bei Ogulin, herb. Dr. Jos. Calas, Schlosser, (W).

Bosnia-Hercegovina

Sutynska, 3.vi.1847, Dr. Sendtner, plantae Bosniacae 497, (M).

In ripis Bosnae fluminis prope Vranduk, 27.vii.1886, A. de Degen,
Iter Bosn.-Hercegovinum 78, (W).

Abhang der Colina Kapa gegen Sarajevo, 10.vii.1901, K. Maly, (W).

Im stenigerolle am abhange des Trebevic gegen Sarajevo, 15.vii.
1902, K. Maly, (FI).

Kalkgerolle der Colina Kapa bei Sarajevo, 800 m, 15.vii.1903,
K. Maly, (E, GB, W).

... bei Jablanica (near Sarajevo), 200 m, 30.vi.1912, E. Preissman,
(W).

Srbija

... Leskovatz, Pancic, (W).

Crna Gora

An rainen um Castelnuova (Herceg Novi), v.1876, K. Studniczka, (W).

Cattaro (Kotor), vi.1882, Dr. Marchesetti, (FI).

Prope Cattaro, v.1890, M. Heider, (W).

Cattaro, v.1891, C. Marchesetti, (FI; sub Con. sepium).

In silvaticis ad Tudjemili, distr. Primorije (prope Bar), 6.vi.
1898, Antonio Baldacci, Iter Albanicum (Montenegrinum) Sextum,
36, (BM, BR, K, P, W; sub Con. sepium; det C. x lucana, Stace
at BM).

Castelnuovo, an Hecken, 21.v.1904, G. A. Poscharsky, (COI, GB).

... Cattaro, 20.v.1905, herb. General J. Schneider, (W).

Dalmatia, in silvaticis inter ombla et Gravosa prope Ragusa,
21.v.1905, Harald Lindberg, (H).

Cattaro, 30.v.1905, herb. General J. Schneider, (W).

Inter Castelnuovo et Zelenika, 24.vi.1910, Aladar Richter, Flora
Dalmatica Exsiccata (Sh), (GB; see also p.).

An einer nasser an der Strasse von Mulla nach Perzagno, Golf von
Cattaro, 8.vi.1926, Dr. Ernest Korb, (LIVU, UPS, W).

Belvedere, v.1908, Bierbach, (BM; sub C. sepium).
In der Macchie bei Herzegnovi in der Bucht con Cattaro, 21.v.1928,
Wallender, (W).

Makedonija

Allchar (Alsar), 1891, R. Hofmann, (W).
In faucibus Fluvii Crni Drin inter Struga et Debar, 12.vi.1955,
K. H. Rechinger fil., Iter Aegaeum VII, 15992, (LIVU).

ALBANIA

Ad Kalza (Broja), distr. Klementi, in silvis, ubique, 14.vii.1900,
Antonio Baldacci, Iter Albanicum Septimum, (BM).
Cjerspen, frai, 3.v.1918, herb. General J. Schneider, (W).
Nr. Tirane, growing on hedge, alt. 900 m, 28.v.1934, Mrs. R. V.
Pennington, (K).

GREECE

Ionioi Nisoi

Kerkira (Corfu). Ad sepes Corcyro prope el Canon, Unger, (W).

Makedhonia

Mtn. Athos, vi.1908, Dimonie, (W (Hal)).
Near Salonica, probably Hortiae, autumn 1917, J. Ramsbottom, (BM).
Near Hortiae aqueduct, 29.v.1918, Kench & Tidy, (BM, GB).
Dova Tepe, on the railway 14 m. ENE of Doiran, 1918, Pte. Gooding,
(BM).
Armensko, N.W. Macedonia, dry hot bushes in bottom of valley, alt.
c. 3000', vi.1932, A.H.G. Alston & N.Y. Sandwith, 701, (BM, K).
Nestos River gorge, 20 m. NE of Kavala, alt. 150 m, in hedgerows
rambling amongst thick undergrowth, 17.v.1959, J.D.A. Stainton,
(K).
Naousa, roadside, alt. c.350 m, 28.v.1961, P.W. Ball, (LIVU).
Athos Peninsula, foot of cliff leading to Simo Petra monastery,
H.H.G. Chick, 64, (K).
Hortiasch, nr. Saloniki, Friedrichstal, hb. Maced. n.761, (W; sub
C. sepium).

Thraki

Xanthie, Soune Mahalla, alt. 200 m, climber of bushes etc. in
places where there is some shade and moisture, 20.v.1930, H.G.
Tedd, 307, (K).

Thessalia

Trikkala. Kalampaka (Kalabaka), in fruticetis ad Kastreiki, 2.vi.1896, P. Sintenis, Iter Thessalicum 514, (LD).

Magnisia. In m. Pelio, in regione inferiore occidentali, ad Paxetdes supra Volo, ad sepes, 8.v.1883, Th. de Heldreich et Timoleon Holzmann, (W; sub Con. sepium).

Stereia Ellas

Evvoia. In monte dirphye (Delphi hod.) Euboeae, 1-13.v.1876, de Heldreich, plantae Exsicc. Florae Hellenicae, (W).

In Euboa, Beck, (M; sub Con. sepium).

Evritania. Agrapha (Dolopia veterum), in regione inferiore m. Pindi circa monasterium korona, in nemorosis quercinis, alt. 3500-3700', substratu, schistosa, 20-28.vi.1885, de Heldreich, iter quartum per Thessalia, (W).

Peloponnisos

Arkadhia. Ad sepes Laconiae orientalis pr. Kastanitza, vii.1844, herb. de Heldreich, (MANCH).

Prope Zatuna Arcadiae, vi.1870, Theod. G. Orphanides, (P).

Rodhos

Dans les haies a Salakos, 3.vi.1870, E. Bourgeau, (BM, K, LD; sub C. sepium var. foliis angulatis).

Fra Fanez e Salakos, 4.v.1922, N. Mazzocchi-Alemanni, (FI; sub Con. inflatus).

Greece, others.

Friedrichstal 7135, (W; sub Con. sepium).

E Graecia, Schultes, (M; sub Con. sepium).

Graecia, herb. Zuccarini, (M; sub Con. sepium).

BULGARIAStara Zagora

Prope Sliven in dumetis humidis, 20.vii.1907, C. K. Schneider, 515, (BM, K, MO, W; sub C. sepium).

Stalin

In damp places in hills S. of Varna, 5.vi.1923, B. Gilliat-Smith, 185, (K).

Bulgaria, others.

In nemorosis ad Backovo, vii.1907, V. Stribrny, (E, FI, H, L, MANCH).

ROMANIATimisoara

- Ad Thermas Herculis (Baile Herculane) 1829, A.J. Lang, (BR).
 In nemorosis Banatin meridionalis, viii.1834, Dorner, (BM).
 Bei Hercules badern, 29.v.1846, (Wierzbicki), (F).
 In Waldern bei den Herkules badern, Banat, 30.v.1846, Wierzbicki,
 (W).
 ... Mehadia, 27.vi.1868, Dr. A. L. Reuss, (W).
 Ad margines silvarum Danubii traitu Banatus, vii.1869, Souklar, (K).
 In dumetis prope Orsovum, 31.v.1887, A. de Degen, Plantae Banatus
 Exsicc., (LD).
 Bazias, 1892, V. Lorenz, (W).
 ... Allion-Berges bei orsova, 22.vi.1905, Hayek, (GB).
 Mehadia, 6.vii.1911, M. Winkler, (BR).
 Baile Herculane, looshog pa kalk, 1.vii.1931, C. Skottsberg, (GB).
 Baile Herculane, bokskog, 1.vii.1931, Ernst Hayren, (H).
 In dumetis sylvisque ad Thermas Herculis, Heuffel, (BM, K, LIVU,
 M, W).
 E Banatu, (TCD).
 In nemoribus Banatus, comm. Kitaibel ipse, (M).
 Sylva, Banatus, Heuffel, (OXF).
 Fl. Banatus, M. Dorner, (OXF).
 In Banat Hungariae, Rochel, (CGE).
 Prope Kozan in Banatu, Dr. Steetz, (PH).
 In Banatu, herb. Steven, (H).

Hunedoara

- In umbrosis montis Varhegy, supra opp. Deva, 8.vi.1908, M. Peterfi
 et Z.Zsakj, (M).
 In dumetis montosis, Deva, Varhegy, 2.vii.1911, Albert Schuller,
 (M, W).
 In silvis, Deva, 4.vii.1911, J. Barth, (GB).
 In silvaticis umbrosis montis 'Cetate' prope oppidum Deva, solo
 trachyto, alt. cca. 300 msm., 11.lun.1920, M. Peterfi, Flora
 Romania Exsiccata 69, (BM, BR, C, E, GB, H, L, P, W).

Romania, others.

- Transsilv. alperna ... a Domeglad (?), 2.vii.1931, C. Skottsberg,
 (GB).
 (Transsilvania) ... Hungad ... Bmg. (Baumgarten) 294, (W (Hal)).

U.S.S.R.

- ... Kuban prov., 17.v.1907, N. Busch et B. Klopotow, (W).

Gruzinskaya

Abkhazskaya. Sukhumi, alt. 20 m. mixed deciduous forest, 11.vi. 1959, Davis, 33654, (K).

Gruziya. Imeretia, Opitsheti Rion, vi.1877, A.H. & V.F. Brotherus, (BM, sub C. sepium).

Imeretia, Opitsheti ad fl. Rion, A.H. & V.F. Brotherus, v.1877, (H; sub Con. sepium).

Yugo-Osetinsk. (translit) Iugo-Osetinska Ekspeditsi Akademii Nachk SSSR, les bliz (woods near) Dzhalabet uroch. Khusar 1300 m., 26.viii.1928, E. i H. Busch, (K, sub C. sepium).

Turkmenskaya

Turcomania, herb. Hockerianum, (K).

U.S.S.R., others.

Rossia austr., Maschuka, 1837, Chr. Steven, (H).

Reg. Caucasica, Guriel, herb. Steven, 234, (H).

Reg. Caucasica, Iberia, herb. Steven, (H).

TURKEYTurkey in Europe

Istanbul. Ortakoj, Constantinopel, 19.vi.1895, Nemetz, (LD).

Turkey in Asia

Istanbul. Inter Duros & Scutari, 1803, D. Seerea (?), (H).

Ex agro Byzantino secus Bosphorum, Unkiar Skelessi, vi.1877, J. Ball, (E).

Bursa. Broussa, vi.1862, herb. John Stuart Mill, (K).

Zonguldak. Prope oppidum Bender Erekli (Heracleia veterum) in rhododendritis; substrato arena f. carbon; ca. 50 m., 2.vii.1907, Dr. Heinr. Frh. v. Handel-Mazzetti : Reise in das pontische Randgebirge, 59, (W).

Rize. Environs de Rhize (Lazistan), haies, vi.1866, B.Balansa, Plantes d'Orient, (P).

Ikizdere, 600 m., with Smilax in scrub, 24.viii.Davis 20883 & Dodds, (K).

Coruh. Prov. Batum, distr. Artwin, loc. Tkhilasur, vii.1912, Otto R. Holmberg, Iter Transcaasicum 2241, (LD).

Hopa, near sea level, pontic scrub, 21.vi.1957, Davis & Hedge, D.29827, (E, K).

Borcka-Hopa, 450 m., ravine in Alnus-Castanea forest above Borcka, 21.vi.1957, Davis & Hedge, D.29850, (E, K).

Ardanuc-Kordevan dag (Artvin-Ardahan), 1450 m., edge of forest, 27.vi.1957, Davis & Hedge, D.30141, (E).

Hatay. Manoog Haradjian, Monts. Amanus, 2500', aestate 1906,
Ugley, *Plantae Syriae borealis*, (K).

Plantae Syriae prov. Antiochiae; damp thickets, Daphne, 15.v.1938,
J.E. Dinsmore, 20343, (K).

Daphne - (Harbiye), near Antakya, 300 m., hedges, 28.iv.1957,
Davis & Hedge, D.27202, (E, K).

Turkey, others.

Pontus, Ciganadagh, ad margin silvar. supra Hamskoei, 22.vii.1890,
P. Sintenis, *Iter Orientale* 1890, (LD).

In Asia minor inter Bursa & Scutari, vi.1803, D. Seerea, (H; sub
C. sepium).

EGYPT

Aegyptus, 1839, herb. Srm. Princ. Paul, Dux de Wurtemberg, (M).

IRAN

Cistara Pass, bed of stream, 4,500', 15.vi.1929, Cowan and
Darlington, 1682, (K).

Elbruz Mts., Mazanduan Prov., iv.1930, Dr. Bourke Burrowes, (K).

Lahijan, Guilan, 1936, Miss N. Lindsay, 894, (BM, K, W).

Prov. Gilan : inter Resht et Lahidjan, 13-14.v.1937, K.H.

Rechinger fil., *Iter Iranicum* 42, (US, sub C. sepium).

Gurgan, hedge, 11.vii.1940, Walter Koelz, 16140, (W).

Prov. Gorgan, Minudasht, v.1948, Sharif, 37, (W).

Prov. Gorgan : in silvis regionis litoralis prope Bander Gaz,
18.vi.1948, K.H. & F. Rechinger, *Iter Iranicum* II, *plantae*

P. Aellen et E. Esfandiari collaborantibus lectae, 5530, (E, K, W).

Ca. 1600', in hedge on edge of forest. Common in hedges at low
altitudes 0-1000 ft. in Mazanduan, Shabsavar and Gilan provinces,
also in Gurgan but not so common, 21.v.1955, H.F. Mooney, 6635,
(K, W).

CULTIVATED

Jardin des Plantes, Ecole, 9.viii.1816, in herb. J. Gay, (K; sub
Con. inflatus Desf.).

h.b. lov. (Hort. bot. Louvain?), 1840, herb. Martin Martens, (BR;
sub Con. sylvaticus Kit.)

Hort Maclean, vii.1870, Dr. Hooker, (K; sub C. sylvatica).

Anglia, herb. Foryth, in herb. Bentham 1854, (K; sub Con. sepium).

Conv. inflatus, n.sp., var? Conv. sepium, M. Poiret, *Am. sept.* (P).

Convolvulus, Ex Amer. Septent., affinis Conv. sepium, differt ..
bracteis concavis, foliis floribusque majoris, colitur in
horto paris ... (E).

GREAT BRITAIN, (introduced)

England and Wales

1. West Cornwall. Patch on roadside between Trengwainton and Madron, 5.vii.1921, E.T. (Thurston), (K; sub C. inflata).
2. East Cornwall. Bank near Bray Shop, Linkinhorne, 1.viii.1923, E.T. (Thurston), (K; sub C. inflata Desf.)
Established in hedges round Bodinnik, 16.vi.1949, J.P.M. Brennan, (K).
3. South Devon. Maidencombe, 21.vii.1932, M.E. Edmunds, (K).
Dawlish Warren, viii.1932, B.G.C. Bolland, 50, (K).
Over hedges and hedgebanks, Salcombe Hill Road, Sidmouth, 8.vii.1956, W. B. Turrill, (K).
Corner of Alma Lane, Salcombe Hill Road, Sidmouth, 24.viii.1956, E. Robinson, (K; fruit only).
Dawlish, 1.ix.1957, H. Gilbert-Carter, 57/66, (CGE).
Roadside debris near Tavistock, vi.1958, C. West, (CGE).
11. South Hampshire. Winchester, 1930, B.O. Corfe, (BM; sub Volv. sepium).
13. West Sussex. Saltings near Western Road, E. Worthing, 23.vii.1946, B. T. Lowne, (K).
16. West Kent. Blind Lane, Lamberhurst, 5.ix.1942, J.R. Wallis, (K).
17. Surrey. Bletchingley, between Godstone and Redhill, 27.ix.1952, B. A. Kneller, (MB).
The Stychens, Bletchingley, 51/35, 6.viii.1956, B. A. Kneller, 5856, (CGE).
19. N. Essex. C. 4 miles N. of Colchester, 20.ix.1958, S. M. Walters, (CGE).
23. Oxfordshire. South Stoke, near Reading, 5.vii.1945, E. A. Elliot, (K).
34. W. Gloucestershire. Newnham, viii.1935, H. J. Riddlesdell, (K).
35. Monmouthshire. $\frac{3}{4}$ mile W. of Abergavenny, hedgerow, 26.ix.1952, D. A. Webb, (CGE).
41. Glamorgan. Garden weed, Cogan Pill, near Penarth, v. old monastic house, comm. fresh, recd. 2.ix.1946, Miss E. Vachell, (BM).
44. Carmarthenshire. Eglwyscummin, near Tavernspite, 5.x.1959, T. A. W. Davis, 218, (LIVU).
45. Pembrokeshire. Crinow, Narberth, roadside hedgebank, 22/130138, Alt. 300', 18.iv.1959, T. A. W. Davis, 157, (LIVU).
49. Caernarvonshire. Tremadoc, hedgerow, 16.vii.1955, E.K. Horwood, (LTR).
Uwchmynydd, nr. Aderdaron, Lleyrn, hedgebanks, 2.x.1959, A. Conolly, (LTR).

Covering hedge by cottage above Aber falls, 2 miles south-west of Llanfairfechan, 23/669717, 1962, R. K. Brummitt, P. E. Gibbs & C. O. K. Cook, (LIVU).

Scrambling in long grass on wall, Penmaenmawr, 23/712763, 1962, R. K. Brummitt, P. E. Gibbs & C. D. K. Cook, (LIVU).

50. Denbighshire. Rubbish dump behind wall on Tan Penmaen Head, 2 miles east of Colwyn Bay, 23/879787, 1962, R. K. Brummitt, P. E. Gibbs and C. D. K. Cook, (LIVU).

Beside main road c. 2 miles south-west of Colwyn Bay, approx. 23/820780, 1962, R. K. Brummitt, (LIVU).

52. Anglesey. Near Red Wharf Bay, hedge by Bryn Tirion Hotel, 23/524808, 19.vii.1959, R. K. Brummitt, 59.619, (LIVU).

56. Nottinghamshire. Bawtry, 7.viii.1873, T. W. Nettleship, (CGE).

59. S. Lancashire. Aigburth, Liverpool, twining on Rubus sp. at roadside, Riversdale Road, 33/386853, 7.ix.1957, R. K. Brummitt, (LIVU).

Roadside hedge, Lowton, 3½ miles south-west of Leigh, 33/613963, 9.ix.1962, R. K. Brummitt & Eliz. Pilling, (LIVU).

69. Westmorland & N. Lancashire. 1 mile east of Coniston, hedge near How Head, 34/317974, 20.vii.1962, R. K. Brummitt, (LIVU).

Isle of Man

71. Ramsey, 1891, (LIV; sub Con. sepium; with fragment of C. pulchra apparently added later).

Closkakewin, near Sandygate, by roadside, 25.vi.1950, E. Milne-Redhead, 6205, (K).

Scotland

89. E. Perth. Rattray, near Blairgowrie, 5.viii.1962, Elizabeth A. Pilling, (LIVU).

95. Moray. Elgin, by the River Lossie near the Cooper Park, 13.viii.1960, M. McCallum Webster, 3846, (LIVU).

IRELAND, REPUBLIC OF, (introduced)

H 3. West Cork. Roadside just outside Bandon on west side, 18.viii.1961, R. K. Brummitt, 1099, (LIVU).

H 4. Mid Cork. Ballymaheery, 7 miles north-east of Macroom, 1.vii.1961, M. Goodfellow, 61.1538, (LIVU).

H 8. Limerick. Ardanoir, Foynes, viii.1906, C. G. O'Brien, (DBN).

H 16. West Galway. Letterfrack, an extensive patch in the village, 22.ix.1960, R. K. Brummitt, 60.812, (LIVU).

H 20. Wicklow. Roadside hedge, 3 miles north-east of Roundwood, 16.viii.1961, R. K. Brummitt, 1058, (LIVU).

H 21. Dublin. Bride's Glen, 18.vii.1943, C. Pearson, (TCD).

H 23. Westmeath. Athlone, roadside, east outskirts of town, 24.ix.1960, R. K. Brummitt, 60.813, (LIVU).

- H 26. E. Mayo. 94/369622, M. Anderson, (CGE).
 H 28. Sligo. North of L. Gill, hedge by house, 22.viii.1952,
 T. G. Tutin, 52197, (LTR).
 E. of Dromard, 4.viii.1953, D. A. Webb, (LTR, TCD).
 H 29. Leitrim. Hedge by road E. end of Lough Gill, 22.viii.1952,
 S. M. Walters, 52.272, (CGE).
 H 30. Cavan. $\frac{1}{2}$ mile south of Shercock, 04/76, 4.x.1953, D. A.
 Webb, (CGE, TCD).
 H 31. Lough. Roadside in northern outskirts of town, Dunleer,
 16.viii.1961, R. K. Brummitt, 1056, (LIVU).
 H 35. W. Donegal. Roadside hedge about 1 mile west of Donegal,
 27.viii.1961, R. K. Brummitt, 61.1423, (LIVU).

PORTUGAL (introduced)

Beira Littoral

Coimbra, Cerca de S. Bento, 13.v.1954, F. Sousa, (BM, COI).

AUSTRALIA (introduced)

Victoria

Melbourne, xi.1929, Alfred Meebold, 6290, (M).

C. silvatica subsp. disjuncta Brummitt, ined.

In the following citation of specimens those plants which occur within the geographical range of the subspecies but have acute bracts and might possibly be hybrids with C. sepium (see p.) are preceded by an asterisk. See further discussion, p. .

SPAIN, including BALEARES

Cadiz

✱ El Cobre, 3.v.1912, Wolley-Dod, (BM).

Almeria

Rago-Almeria, 18.v.1929, E. Gros, Caroli Pau herbarium hispanicum 517, (MA).

Ragd, 18.v.1929, F.Q. (Font-Quer), (BC).

Castellon

Castellon de la Plana, 29.vi.1852, E. Bourgeau, pl. d'Espagne, (P; sub C. sepium).

Pinar de Castello de la Plana, 21.vii.1922, (BC).

Barcelona

✱ Bois des bords du Besos, 24.v.1914, Fre. Sennen, (BM).

✱ An miderem Gebusch nahe 'Pantano' b. Barcelona, 2.vii.1926, G. Krekhum (?), 577, (S).

✱ Vores del Besos entre Montrenda i Mollet, 6.vii.1941, A. de B. (de Bolos), (BC).

Baleares

Menorca. Font den Simon, 27.vi.1898, herb. A. Pons y Guerau, Mahon, (MA; sub Con. sepium).

Spain, others.

✱ Riera de l'Obac de Vallvidrera, 30.vi.1940, A. de B. (de Bolos), (BC).

FRANCE (including Corsica)Provence

- Alpes Maritimes. Mentone, 3.vi.1866, J. Traherne Moggridge, (K).
 Mentone, 15.v.1871, G. C. Joad, (K).
 Along the Loup near its mouth, west of Nice, 19.vi.1935, Ivar
 Tidestrom, 13703, (NY; sub Con. sepium).
 Roadside near Castellar, Menton, 13.vi.1961, A. O. Chater, 4603,
 (LIVU, LTR).

MONACO

- Presqu'ile de la Vecchia pres Monaco, in dumetis, 30.v.1876,
 herb. S. Sommer, (FI).

ITALYLiguria

- Ponte Decimo, viii.1856, (FI).
 Comune negli olivetti, nelle siepe, Diano Cervo, da Ricca in
 Agosto 1861, (FI; sub Con. sepium).
 Bordighera, v.1893, J. F. Hamilton, (E; sub Con. sepium).
 Bordighera, 17.vi.1897, C. Bicknell, (MA, holotypus; H, M, isotypi).
 Rapallo, vi.1900, M. v. Biberstein, (M).
 Varazze Cava, 10.vi.1908, Santarelli, (BI).

Toscana

- Toscana, da Puccinelli in Gennaio 1844, (FI; sub Con. sepium).
 Ex radibus Apuanarum juxta Massa Ducale, v.1848, J. Ball, (E).
 Siepi di Sammarcello nell Appenino, 1865, (BR).
 Environs di Pisi, 1868, Henri van Heurck, (BR, MANCH).
 Ad sepes prope oppidum Massa, ad radi, Alpi Apuanarum, 15.vi.1873,
 E. Levier, (FI).
 San Donato pr. Florentiam, ad sepes lauri, vi.1873, E. Levier, (BR).
 = ibid, (BM, FI).
 Ad sepes Agri Florentini hic inde (San Donato), 20.vi.1874,
 E. Levier, (BR, W(Hal)).
 = ibid, (E, FI, M, P, W).
 = Siepi alla Concezione, 12.vi.1881, Tanfani, (FI; sub Con. sepium).
 = Casal Guidi, sud di Pistoia, 1.vii.1886, Santarelli, (BI).
 = Pescia, lungo il rio di Sto. Stefano sopra la villa Pacini,
 vii.1886, Pietro Fantozzi, (FI).
 Tra Pietrasanta e Vallechia via provinciale, viii.1891, Santarelli,
 (BI).
 = Cascine di Firenze lungo l'Arno, 17.vi.1892, herb. Biondi, (FI).
 = Prope Florentiam tra Santa Brigida e Sportigallo, 24.vi.1902,
 Stephen Sommer, (FI).

Lazio

Roma, Lejeunii, (BR).

A few km. N. of Rome, 29.v.1959, D. A. Webb, (TCD).

Marche

Per la Salita di Monterendo, 28.vi.1905, herb. A. Bettini, (FI).

✱ S. of Porto S. Giorgio, Ascoli Piceno, 11.vi.1959, D. A. Webb, (TCD).

Abruzzi e Molise

✱ Ad sepes, Teramo, vi.1945, Zodda, (BI).

Roseto degli Abruzzi, ad sepes, v.1950, Zodda, (BI).

✱ In silvaticis, Civitella del Tronto alla Fortezza, 600 m, v.1952, Zodda, (BI).

Puglia

Sepibus & dumetis prope Hydruntum (Otranto), vii.1875, H. Groves, (FI).

Calabria

Damp ground immediately S. of F. Noce, 500 m. from sea and 3.5 km. NNW of Praia a Mare, on Populus bushes, 29.v.1961, A. D. Chater, 4262, (LIVU, LTR).

Sicilia

Palermo, 1845, ex herb. Alexander Prior, (K).

Mondello, presso Palermo, 20.v.1872, Aniti, (FI; sub C. sepium).

TANGIER

Tangiers, iii.1937, A. W. Trethewy, 240, (K; sub C. sepium).

MOROCCO

Entre Mehedia et l'Oued Sebou, 27-29.iv.1887, Grant, (P; sub C. sepium).

15 miles up R. Sebu, Grant, vi.1887, (K; sub C. sepium).

Fez, iii.1933, A. W. Trethewy, 121, (K; sub C. sepium; det C. x lucana, Stace 1960).

ALGERIA

Djebel Edough, prov. Constantine, 17.iv.1864, Dr. Dukerley, (BR; sub C. sepium).

Kauba (?), 4.v.1879, A. Carrier, (MANCH; Sub Con. cherleri).

JUGOSLAVIA (see page , paragraph).

- Dalmatia, Spalato, 1847, Petter, (W).
 ✕ Istria, Parenzo, vi.1886, Dr. Marchesetti, (FI; sub Con. sepium).
 Inter Castelnuovo et Zelenika, 24.vi.1910, Prof. Dr. Aladar
 Richter, Flora Dalmatica Exsiccata (Sheet 2), GB).
 ✕ An hecken bei Ogulin, Dr. Jos. Calas Schlosser, (K).
 Hercegovina, Mostar, 19.vii.1911, General J. Schneider, (W).

GREAT BRITAINChannel Islands

- Sark. Little Sark, hedgeside, on Galium Mollugo, 9.vii.1953,
 B. Sowerby, 74, (BM).

England and Wales

3. South Devon. Teignmouth, waste ground caused by bombing,
 15.ix.1952, K. Bigg-Wither, (BM).
 Teignmouth Docks, 9.v.1953, H. Gilbert-Carter, (CGE).
 Large popn., waste ground, Totnes, 20/8060, 27.viii.1957, S. M.
 Walters, 57.56, (CGE).
7. N. Wiltshire. Hedgerow, Melksham, 31/9164, 3.ix.1957, S. M.
 Walters, 57.75, (CGE).
13. W. Sussex. Tillington - escape, 14.vii.1926, H. J. Riddlesdell,
 (K).
14. E. Sussex. Glynde, in and around vicarage garden, 21.vii.1955,
 D. A. Webb, (CGE).
15. E. Kent. Cliffe Woods, Rochester, 23.ix.1959, M. J. Kearsey,
 (ABS; sub C. sepium).
16. W. Kent. Scrambling over low bushes etc. near the Recreation
 Ground, Brasted Chart, Brasted, 51/467532, 15.vii.1959, J.
 Braybrooke Marshall, (herb. J. B. Marshall).
 Waste land by railway, High Brooms, Tunbridge Wells, 12.ix.1960,
 C. A. Stace, (BM).
17. Surrey. Kew, 19.viii.1888, English Plants collected by Dr.
 and Mrs. N. L. Britton, (NY; sub C. sepium).
 Palewell Meadows, N.W. corner, climbing on Ulmus montana, 13.x.1932,
 V. S. Summerhayes, E. Milne-Redhead, (K; det. C. x lucana, Stace).
 Ham Gravel Pits, on waste ground in great abundance completely
 covering all low vegetation over considerable areas, 30.vi.1950,
 B. L. Burtt, S. Ross-Craig & J. R. Sealy, 1648, (K).
 S. London, Upper Norwood, vii.1953, A. S. de Bats, (L).
 Chalkpit Lane, Dorking, 12.viii.1955, D. A. Webb, (TCD).
 Between Chelsham and Warlingham, 12.viii.1955, D. A. Webb, (TCD).
 Lane near Kew Meadow, Mortlake, 12.viii.1956, W. B. Turrill, (K;
 det C. x lucana, Stace).

- Downs farm, Ewell, Rubbish tip on market garden, 51/26/81, 12.ix. 1959, D. P. Young, 6874, (herb. D. P. Young).
- Godalming, waste ground by river, 41/975440, 4.vii.1960, R. K. Brummitt, 60.611, (LIVU).
- Along the side of the Thames Tow Path west of Chiswick Bridge, Mortlake, 23.vii.1961, J. L. Gilbert, 411, (K; sub C. x lucana).
- Mitcham Common, 430807G, A. J. Wilmott, (BM).
18. South Essex. By River Lea, Bromley-by-Bow gasworks, 19.vi. 1956, J. E. Lousley, (E; 'intermediate between C. sepium and C. silvatica - dimensions nearer to C. sepium but bracteoles like C. silvatica', R. K. Brummitt 1958; 'I think this is almost certainly poorly developed C. silvatica (Kit.) Griseb.', R. K. Brummitt, 2.iii.1960).
19. North Essex. By bridge over R. Chelmer NE of Howe St., c. 6 m. SE of Dunnov, 12.x.1958, D. McClintock, (CGE).
21. Middlesex. Chiswick, Dukes Meadows, 15.viii.1937, E. B. Bangerter, (BM).
- Chiswick, on waste ground by Thames, 4.ix.1941, N. Y. Sandwith, 2891, (K).
- Chiswick, by side of railway, abundant, 19.viii.1944, S. Ross-Craig, J. R. Sealy, 1034, (BC, K).
- Hanwell, 28.ix.1947, A. H. G. Alston, (BM, sub C. inflata).
- Holborn, on few sites, AA2426, 28.vi.1950, J. Whittaker, (BM).
- Bombed site, Shadwell, Highway Cooperage, vi.1951, A. Henson, (BM).
- Bombed site, Shadwell, the Highway, near 'New Gun Boat', 21.vii. 1952, A. Henson, (BM).
- Chiswick bridge, roadside, 6.viii.1958, M. B. Gerrans, 685, (BM).
- Disused railway between Muswell Hill Station and Alexandra Palace, 25.vi.1961, Peter H. Raven and E. B. Bangerter, 16170, (BM).
22. Berkshire. Englefield, (OXF; sub Volv. sepium).
23. Oxfordshire. Chipping Norton district, at base of wall, Over Norton, 19.vii.1944, W. B. Turrill, (K).
- Rambling over bushes by tennis courts near Lady Margaret Hall, 25.vii.1944, F. Ballard, C. E. Hubbard, (K).
- Roadside between Bix and Henley on Thames, Bix parish, 25.ix.1961, M. B. Gerrans, 1005, (BM).
24. Buckinghamshire. Near Chalfont St. Giles, 14.ix.1942, H. Wallis Kew, (OXF; sub Con. sepium).
- Gravel pits, Bolter End, H. Wallis Kew, (OXF; sub Con. sepium).
27. East Norfolk. Ormesby Broad, among bushes etc. on roadside, 15.viii.1954, P. W. Richards, (UCNW).
28. West Norfolk. Near Snettisham, over bushes at edge of grassy heath, 21.vii.1933, W. B. Turrill, (K).
29. Cambridgeshire. Near Kings hedges, Cambridge, 11.ix.1888, (CGE; sub Con. sepium; mixed collection).
- Cambridge Botanic Garden hedge, ix.1946, T. G. Tutin, (LTR).
- Cherryhinton, 19.vii.1950, H. Gilbert-Carter, (CGE).

- Abandoned hedgerow by ruin of house, Eversden Wood, 52/341533, 7.vii.1956, S. M. Walters, (CGE).
- Hedge near childrens bathing place, Cambridge, 1.vii.1957, Ann Martin, (CGE).
- Hedge in Storeys Way, Cambridge, 1.viii.1957, Ann Martin, (CGE).
- Waste ground near Waterbeach aerodrome, 22/489658, 24.ix.1958, H. Gilbert-Carter, W. B. Gourlay, P. D. Sell, 58.255, (CGE).
31. Huntingdonshire. Bythorn, 5.viii.1954, D. A. Webb, (CGE).
- Catworth, hedgerow near 'The Fox', 26.vii.1958, J. L. Gilbert, 319, (K).
- Great Staughton, hedgerow, bend of road near Claylands Farm, parents not seen with it, 3.viii.1958, N. Y. Sandwith, J. L. Gilbert, 337, (K; sub C. x lucana).
33. East Gloucestershire. Haresfield Hill, 13.ix.1934, H. J. Riddlesdell, (K; det. C. x lucana C. A. Stace).
34. West Gloucestershire. Nr. Bishops Palace Bristol, viii.1923, H.J.J.F. Gibbons, (LTR; sub C. sepium).
- Railway bank, Ashley Hill, Bristol, flowers and buds flushed pale pink, 26.ix.1935, Cecil Sandwith, (K; sub C. sepium f. rosea; This is the pink form of C. sylvestris (Willd) R & S., anon.; 'No pink sepium - bracts large, but no other characters of C. dahuricus Herb.' D. A. Webb).
- Rubbish tip at Ashley Hill, Bristol, ix.1941, C.I. & N.Y. Sandwith, (K).
36. Herefordshire. Hereford, waste patch by railway, 28.ix.1952, Miss V. Muller, (BM).
38. Warwickshire. Circa 6 mls. N.E. of Henley-in-Arden, bank of road between Preston Green and Henley-in-Arden, SO (32) 15-17, 65, P. E. Gibbs, 61.965, (LIVU).
39. Staffordshire. Approx. 2 miles N.W. of Brownhills, south embankment of Cannock Chase Reservoir, 43/0307, 20.vii.1961, P. E. Gibbs, 61.963, (LIVU).
41. Glamorgan. Cathays Park, Cardiff, over a roadside fence, viii.1947, A. E. Wade, (CGE, K, MANCH, OXF; det. ?sylvestris x sepium, D. A. Webb; det. C. x lucana C. A. Stace - both at K).
- Maesteg, mtn. hedgerow twining on Rubus fruticosus, 10.vii.1959, Ann M. Hodges, (ABS; sub C. sepium).
45. Pembrokeshire. Haverfordwest, Crundale, on roadside hedgebank, 12/967178, alt. 125', 3.x.1959, T. A. W. Davis, 215, 216, 217, (LIVU).
47. Montgomeryshire. Roadside, Pen-y-Garnedd, 33/105237, 16.viii.1955, Bot. Sch. Exped. Wales, (CGE).
- Llanrhaidr-ym-Mochnant, 33/124262, 16.viii.1955, Bot. Sch. Exped. Wales, W44, (CGE).
- Hedge at N. side of road, W. side of village, Pen-y-Bont Fawr, near Llanrhaidr-ym-Mochnant, 7.viii.1958, R.K.Brummitt, 58.114, (LIVU).

- Llanrhaidr-ym-Mochnant, near Llanfyllin, waste ground at west end of village, alt. 500', 26.ix.1959, R. K. Brummitt, 59.833, (LIVU).
- Over bushes on waste ground near quarry, Breidden Hill, 33/288146, 13.vii.1961, Janet D. Butler, 156, (BM).
48. Merionethshire. Barmouth Junction, south side of Mawddach Estuary, roadside hedge, 23/629135, 24.ix.1959, P. M. Benoit & R. K. Brummitt, 59.810, (LIVU).
49. Caernarvonshire. Pwllheli, refuse tip, 23/3634, ix.1958, A. P. Conolly, (LTR).
- Llandudno Junction, opposite Conway, on tip of cinders outside station, 23/795778, 4.vii.1959, Richard K. Brummitt, 59.415, (LIVU).
- Betws-y-Coed, tip of light clay soil by recent road works, 23/792570, 4.vii.1959, J. M. & R. K. Brummitt, 59.480, (LIVU).
- Betws-y-Coed, behind wall by Miners bridge, by A5, 23/780509, 5.vii.1959, J. M. jnr. & R. K. Brummitt, 59.517, (LIVU).
- Hedgebanks, Uwchmynydd, W. Aberdaron, Lleyn, 2.x.1959, A. Conolly, (LTR).
- Abersoch, Lleyn, 23/306278, 1961, A. Conolly, (LTR).
- Efail Newydd, Lleyn, 23/350359, 1961, A. Conolly, (LTR).
50. Denbighshire. 2 miles N.N.E. of Denbigh, 13.viii.1955, D. A. Webb, (CGE, TCD).
- Llanferres, 6 miles N.E. of Ruthin, roadside hedge outside Druid Hotel, 33/188605, 12.vii.1959, C. N. Butterworth, G. W. Stirrup, R. K. Brummitt, 59.549, (LIVU).
- Near Colwyn Bay, waste ground beside 83 Coed Coch Rd., Old Colwyn, 23/869779, 4.ix.1959, R. K. Brummitt, 59.712, (LIVU).
- Colwyn Bay, foot of limestone rocks above main road, Tan Penmaen Head, Old Colwyn, 23/880786, 19.vi.1960, R. K. Brummitt, 60.380, (LIVU).
- Abergele Station, waste ground, 23/945787, 20.vi.1960, R. K. Brummitt, 60.442, (LIVU).
- Llanddulas between Colwyn Bay and Abergele, railway embankment, 23/916783, 20.vi.1960, R. K. & Barbara Brummitt, 60.471, (LIVU).
- Trefnant, 3 miles north of Denbigh, abundant, waste ground by railway, 33/054706, 9.ix.1961, R. K. Brummitt, 61. , (LIVU).
51. Flintshire. Bodelwyddan, roadside hedge, 23/997757, 4.ix.1959, R. K. Brummitt, 59.713, (LIVU).
- Bodfari, roadside hedge, 33/097701, 4.ix.1959, R. K. Brummitt, 59.714, (LIVU).
- Greenfield, with Urtica dioica on waste ground by Basingwerk Abbey, 33/195773, 15.vii.1959, J. Cullen, R.K. Brummitt, 59.572, (LIVU).
- Bagillt, near Flint, waste ground, 33/213758, 15.vii.1959, J. Cullen, R. K. Brummitt, 59.580, (LIVU).
- Talacre, Point of Air, sandy ground in bungalow estate, 33/122845, 15.vii.1959, J. Cullen, R. K. Brummitt, 59.586, (LIVU).

- Meliden, near Prestatyn, roadside bank by limestone quarry,
33/057805, 15.vii.1959, J. Cullen, R. K. Brummitt, 59.596, (LIVU).
- Near Mostyn, railway embankment alongside the estuary of the river
Dee, 33.169801, 29.v.1961, R. K. Brummitt, J. Cullen & P. E.
Gibbs, 61.446, (LIVU).
52. Anglesey. Menai Bridge, in graveyard on small island in
Menai Straits, 23/552717, 19.vii.1959, R. K. Brummitt, 59.616,
(LIVU).
55. Leicestershire. Syston, 17.vii.1927, F. A. Sowter, 1417, (BR;
sub C. sepium).
- Freeman's Common, Leicester, 12.vii.1945, E. K. Horwood, (LTR).
Freemans Estate, 28.viii.1946, T. G. Tutin, (LTR).
Groby Rd., Leicester, 1.ix.1955, E. K. Horwood, (LTR).
Roadside near Tilton, 7.ix.1955, E. K. Horwood, (LTR).
Hungerton, bank on side of road between Houghton-on-the-Hill and
Ingarsby, 22.viii.1959, E. B. Bangerter, 757, (BM).
56. Nottinghamshire. Bawtry, 7.viii.1873, T. W. Nettleship, 208,
(CGE).
57. Derbyshire. $3\frac{1}{2}$ miles from Burton on Trent on road to Ashby
de la Zouch, 5.viii.1954, D. A. Webb, (TCD).
58. Cheshire. Hedge, Willaston, (E. of Neston), 30.vii.1910,
Ellis, (LIV; sub C. sepium).
- Capenhurst, Wirral, roadside hedge on New Chester Road by mile
post marking 5 miles from Chester, 33/384737, 12.viii.1958,
R. K. Brummitt, 59.117, (LIVU).
- Birkenhead, climbing railings at corner of Borough Rd. and Thornton
Rd., Tranmere, 33/317861, 1.vii.1959, R. K. Brummitt, 59.347,
(LIVU).
- Ness, Neston, long established in hedge by Botanic Gardens, top of
experimental field, 33/303757, 3.ix.1959, R. K. Brummitt,
56.697, (LIVU).
- Tarvin, near Chester, hedge by lay-by on A54, 33/496678, 6.ix.1959,
R. K. Brummitt, 59.722, (LIVU).
- Frodsham, large patch in hedge beside road B5152 near Newton Hall,
33/534758, 6.ix.1959, R. K. Brummitt, 57.724, (LIVU).
- Between Neston and Bromborough, hedge, Willaston Road, 33/320797,
28.viii.1960, R. K. Brummitt, 60.737, (LIVU).
- Neston, hedge by disused Little Neston Station, 33/297773, 28.viii.
1960, R. K. Brummitt, 60.741, (LIVU).
- Bebington, near Birkenhead, waste ground at top of Storeton
Quarry, 33/315844, ix.1960, R. K. Brummitt, 60.734, (LIVU).
59. South Lancashire. On waste ground in Knowsley Road, Southport,
3.viii.1896, Charles Bailey, (MANCH).
- Aintree, 15.ix.1949, (LIV).
Melling, 24.ix.1949, (LIV).
Formby, 9.ix.1951, V. Gordon, (LPL).
Tarbock, near Liverpool, climbing on bush on bin tip near Cronton
Colliery, 33/479893, 4.ix.1957, R. K. Brummitt, (LIVU).

- Kirkby, near Liverpool, garden hedge beside E. side of main road, 33/403996, 5.viii.1958, R. K. Brummitt, 58.91, (LIVU).
- Kirkby, near Liverpool, tall hawthorn hedge by footpath to Waddicar, 33/402997, 5.viii.1958, R. K. Brummitt, 58.92, (LIVU).
- Freshfield, Formby, climbing Populus thicket beside railway, 200 m. N. of station, 34/292085, 14.viii.1958, R. K. Brummitt, 58.122, (LIVU).
- Freshfield, Formby, Salix thicket on Formby Golf Course just south of Fisherman's path, sandy ground, 34/289090, 14.viii.1958, R. K. Brummitt, 58.136, (LIVU).
- Gateacre, Liverpool, 10 m. from corner of Wood Lane and Netherley Road, in Acer hedge, 33/442883, 20.viii.1958, R. K. Brummitt, 58.167, (LIVU).
- Near St. Helens, among Arrhenatherum elatius on old shale tip now colonised by Salix, Betula, Pteridium etc., Gillars Green, 33/475947, 21.viii.1958, R. K. Brummitt, 58.174, (LIVU).
- St. Helens, hedge of garden of house under construction, opposite Christs Church, Eccleston, 33/483954, 21.viii.1958, R. K. Brummitt, 58.182, (LIVU).
- Roadside hedge one mile north of Parbold, near Burscough, 34/496128, 20.ix.1958, R. K. Brummitt, 58.306, (LIVU).
- Broadgreen, Liverpool, entry between Thingwall Hall Drive and Thingwall Avenue, 33/409911, 12.vi.1959, R. K. Brummitt, 59.178, (LIVU).
- Climbing in scrub on sandy soil, Birkdale, near Southport, 34/323164, 12.vi.1959, J. Cullen, (LIVU).
- Liverpool, climbing on planted shrubs, Otterspool Prom., 33/376858, 24.viii.1959, R. K. Brummitt, 59.644, (LIVU).
- Newton-le-Willows, east of St. Helens, roadside Leigh - Newton road, 33/613963, 9.ix.1959, R. K. Brummitt, 59.740, (LIVU).
- Atherton, between Leigh and Bolton, railings on main road, 34/688049, 9.ix.1959, R. K. Brummitt, 59.741, (LIVU).
- Adlington, between Chorley and Horwich, roadside hedge between Houses, 34/610132, 9.ix.1959, R. K. Brummitt, 59.743, (LIVU).
- Tontine, near Upholland, roadside hedge, 34/525037, 9.ix.1959, R. K. Brummitt, 59.750, (LIVU).
- Seaforth, Crosby, waste ground by timber storage yards, 33/325966, 24.vi.1960, R. K. Brummitt, 60.491, (LIVU).
- Appley Bridge, 4 miles north-west of Wigan, Canal bank, 34/524093, 25.vi.1960, R. K. Brummitt, 60.548, (LIVU).
- Gateacre, Liverpool, hedge at corner of Wood Lane, and Netherley Road, 33/442883, 7.viii.1960, R. K. Brummitt, 60.811, (LIVU).
- Liverpool, railway embankment by Edge Lane, 33/384909, 31.vii.1961, R. K. Brummitt, 61.981, (LIVU).
- Covering hedge by farm entrance near Hightown, between Crosby and Formby, 34/311032, 14.viii.1961, R. K. Brummitt, (LIVU).

- 1½ miles south-east of Ormskirk, corner of small lane near Scarth Hill, 34/426060, 8.ix.1961, R. K. Brummitt, 61. (LIVU).
Between Aintree and Maghull, north of Liverpool, abundant in hedge beside main road, 34/370003, 11.ix.1961, R. K. Brummitt, 61.1805, (LIVU).
Woolton, Liverpool, waste ground, Vale Road, 33/416868, 12.ix.1961, R. K. Brummitt, 61. (LIVU).
2 miles west of Rainford, scrambling over low hedge by potato fields, 34/441015, 25.ix.1961, R. K. Brummitt, 61.1430, (LIVU).
Wingates, 2½ miles south of Horwich, hedge by main road, 34/64 07, 9.ix.1962, R. K. Brummitt & E. A. Pilling, (LIVU).
60. West Lancashire. Morecambe, twined round fence on waste ground, SD(34)452651, 21.vii.1960, M. Goodfellow, 35, (LIVU).
61. South-east Yorkshire. Huggate, in the village, 24.vii.1957, R. d'O. Good, (BM).
Between Pocklington and Barnby Moor, disused airfield, grassy waste ground, 5.ix.1958, E. B. Bangerter, 680, (BM).
62. North-east Yorkshire. Railway station, Pinchingthorpe, 24.vii.1897, Charles Bailey, (MANCH, sub Volvulus sepium).
Roadside, Easingwold, 25.viii.1925, T. J. Foggitt, (BM; sub Volvulus sepium, det. C. sylvestris, Bangerter 1951).
64. Mid-west Yorkshire. Otley, climbing on bushes and creeping on ground, Grove Hill Park, Bradford Road, x.1960, Flora Houseman, (LIVU).
Otley, waste ground between River Wharfe and Otley Mills, (Wm. Ackroyds) Goit, Ilkley Road, x.1960, Flora Houseman, (LIVU).
Baildon, near Shipley, near Bradford, rampant over waste ground and bushes on Coach Road tip, x.1960, Flora Houseman, (LIVU).
69. Westmorland & North Lancashire. Coniston, hedge by house, 9.vii.1946, T. G. Tutin, (LTR).
4 miles south west of Levens, roadside hedge, abundant, 34/4382, R. K. Brummitt & P. E. Gibbs, (LIVU).
70. Cumberland. Lane near Village House, Dalston, near Carlisle, 18.viii.1949, Dennis Graham, (GB).

Scotland

90. Angus. Invergowrie, 29.ix.1956, U. K. Duncan, (herb. U. K. Duncan; det. ?sepium x sylvatica S. M. Walters).
Marsh by the River Tey, Errol, 5.ix.1958, U. K. Duncan (herb. U. K. Duncan; det ?sylvatica or sepium x dahurica, S. M. Walters).

Northern Ireland

- H 36. Tyrone. Strabane, vii, M. C. Knowles, (DBN).
H 38. Down. Bank above shore of Carlingford Lough, Rostrevor, abundant, 16.viii.1961, R. K. Brummitt, 1055, (LIVU).

IRELAND, REPUBLIC OF

- H 9. Clare. Roadside south of Ballyvaughan on Lisdoonvarna road, 93/27, 7.vii.1962, A. P. Conolly & G. Halliday, (LTR).
 H 28. Sligo. In ruins by upper fish ladder at Ballysadare, 6.ix.1953, D. A. Webb, (TCD).

UNITED STATES OF AMERICAOregon

Just east of Corvallis, across Van Buren St. bridge, along roadside, vi.15.1960, La Rea J. Dennis, 2227, & George Van Vechten, (NY; sub Con. sepium).

Washington

Fields, Marysville, vii.1927, J. M. Grant, (US; sub Con. sepium).
 Bank of the river Spokane Wash, vii.1931, Sister Mary Milburge (WTU; sub Con. sepium).

Dumping ground at end of Green Lake, Seattle, 28.vii.1933, J. William Thompson, 9619, (NY; sub Con. sepium).

Port Blakely, in a thicket, 17.vi.1934, W. J. Eyerdam, (L, MO; sub Con. sepium var. americanus).

Birch Bay, Whatcom Co., 19.vii.1937, W. C. Muenscher, 8343, (DAO; sub Con. sepium).

Fort Lawton, King Co., in roadside hedges, 25.vii.1937, W. J. Eyerdam, (F, MO; sub Con. sepium var. americanum).

Near Sand Point, $\frac{1}{2}$ mile N.E. of Seattle, in a thicket, 10.vi.1949, Walter J. Eyerdam, (BM).

Shelton-Hoodsport road, moist sandy soil, 30.vii.1950, Phillips B. Freer, 320, (WTU; sub Con. sepium).

CANADABritish Columbia

16 Marine Drive, West Vancouver, roadside, 6.vii.1955, Colonel William Bird, 1239, (BM).

Bush Crown/25 Av., Vancouver, 5.v.1956, Wm. Bird, 2008, (BM).

Roadside, 1871, Fulton Ave., W. Van., 31.v.1956, Wm. Bird, 2008, (BM).

Canoe Pass Delta, Vancouver, on bank between road and river, 1.ix.1957, William Bird, 3533, (BM).

The following two specimens from eastern N. America may be C. silvatica subsp. disjuncta. Both are poorly pressed; the first has scarcely any leaves, while the second has no mature flowers.

Connecticut

Litchfield-Morris Wildlife sanctuary, Litchfield, roadside opposite Camp Townsend entrance, (with) *Asclepias syriaca*, *Thalictrum dasycarpum*, fls. white, 9.vi.1941, J. Dwyer, 2614, (NY).

New York

Garden City, Long Island, waste ground, 23.vi.1906, E. P. Bicknell, 7269, (PH).

C. fraterniflora (Mack. & Bush) Brummitt, ined. Subsp. fraterniflora

Vermont

Peacham, 13.vii.1892, Ferdinand Blanchard, (MO).
Rutland, Rutland Co., 1.ix.1899, Willard W. Eggleston, 1506, (GH;
det var. communis, Tryon).

Connecticut

Sandy field, Plainville, 18.vi.1903, C. H. Bissell, (GH; det var.
communis Tryon).

New York

Fall Creek Flats, Ithaca, Tompkins Co., viii.1876, (W).
Flora of New York State, 24.vi.1898, Frank W. Johnson, (BR).
Moist Field, Montauk, Long Island, 20.vii.1937, K. P. Jansson, (GB).

Pennsylvania

Meadow, Mercersburg, 1850, T. C. Porter, (PH).
Montour Co., cultivated field, Danville, 27.vii.1880, H. B.
Meredith, (PH).
Mifflin Co., in cornfields, 16.vii.1881, Dr. J. T. Rothrock, (F).
Island opposite Harrisburg, 6.vii.1888, John K. Small, (F).
Vicinity of Safe Harbour, 26.vi.1889, John K. Small, (F).
Along Little Conestoga, 1 mile S. Millersville, 12.viii.1889, John
K. Small, (C, F).
Lancaster Co., 25.vii.1890, John K. Small, (F; sub Con. sepium var.
americana).
Berks Co., in cornfield along road $1\frac{1}{2}$ miles southeast of Vinemont,
14.viii.1930, Hans Wilkens, 738, (PH).

District of Columbia

Rock creek, near Georgetown, 22.ix.1858, Schott, (F).
River flats, 25.vi.1896, E. S. Steele, (E, GH, S; det var repens,
Tryon).
Sandy shores of the Potomac, near Scotts Runn, 1.vii.1898, Th.
Holm, (MO; sub var. americana).
Variously situated but constantly supplied with water, between the
Chesapeake and Ohio Canal and Potomac River from Georgetown to
Plummers Island, 1.ix.1899, E. L. Morris, 289, (F).
Sandy field below Anacosta, 5.ix.1904, Jos. H. Painter, 1139, (MO).

Four Mile Run, ix.1904, A. S. Hitchcock, (GH; det var. repens, Tryon).

Potomac Flats, 22.ix.1905, H. D. House, 1632, (MO; sub Con. japonicus L.).

Waste ground, Le Droit Park, Washington, 26.ix.1905, Agnes Chase, 3029, (GH).

Trailing in open place at junction of 14th and Tacoma Park, lines Tacoma Park and Sligo Branch, 29.vi.1917, A.S. Hitchcock, 12935, (F).

Maryland

Roadside among brush, Chevy Chase, 16.viii.1905, Agnes Chase, 3004, (GH).

Ammendale, 26.vi.1916, F. G. Asseri, 389, (MO).

Ammendale, Prince George Co., 1918, Brother F. Hyacinth, 1669, (MO).

Virginia

Lynchburg, ix.1870, A. H. Curtiss, (GH; det. var. repens, Tryon).

River Pond, field, gardens, 6.x.1934, E. Puette, M. Ellyson, (GH; det. var. communis, Tryon).

Sandy thicket by James River, Jordan Point, Prince George Co., 16.viii.1938, M. L. Fernald & Bayard Long, 9129, (GH; sub var. repens).

Rich alluvial thicket back of sand-beach of James River, Jordan Point, 16.ix.1938, M. L. Fernald & Bayard Long, 9410, (F, GH, MO, NY, US; sub var. repens).

Henrico Co., margin of a canal from James River, Richmond, 6.vi.1940, M. L. Fernald & Bayard Long, 12171, (US; as var fraterniflorus).

West Virginia

Monongalia Co., 7.vi.1890, C. F. Millspaugh, 206, (F).

Monongalia Co., rocky wooded banks, Little Falls, 14.vi.1890, C. F. Millspaugh, 206, (NY).

Ohio River Bank, near Sistersville, 17.vi.1930, Earl E. Berkley, (MO).

Along Blue Stone River near mouth, Summers Co., 16.vii.1930, Earl E. Berkley, 1107, (MO).

Berkeley Springs, 25.viii.1933, E. J. Alexander, T. H. Everett, S. D. Pearson, Southern Appalachian Expedition, (NY).

Cabell Co., climbing on wire fence, Roland Park, 30.vi.1940, Frank A. Gilbert, 855, (GH).

Ohio

Cincinnati, 1860, P. F. Mohr, (US).

Mill Creek, Hamilton Co., donated J. M. Lea, 1870, (PH).

Oxford, along railroad, 28.vi.1907, M.E.J., (MO).

Hamilton Co., Addyston, stream bank, 20.x.1930, Bernice C. Stephenson, (MO).

In dry barren roadbank, North Appalachian Experimental Watershed near Coshocton, 22.vi.1942, Harold N. Moldenke, 12941, (BR; sub Con. americanus).

State of Ohio, B. Matthes, 365, (W).

Michigan

Railway banks at Taylor, 7.x.1930, O. A. Farwell, 8836, (GH; as Volv. sepium var. fraterniflorus ined.)

Indiana

C'ville, vi.1886, Harvey Thomson, (F).

Liberty, 14.vii.1886, herb. J. N. Rose, (F).

Mishawaka, vii.1891, E. B. Uline, (F).

On road by Phidelt Mail box back of Daily student office, 4.vii.1923, Stacey Hawkins, (FLAS).

On fence along road, 5 miles west of Greencastle, Putnam Co., 3.vii.1941, Winona H. Welch, 6912, (GH).

Kentucky

Lexington, 1837, C. W. Short, (K).

1840, C. W. Short, (NY).

Near Race Course S. of Louisville, 18.viii.1892, herb. L. S. Bergman, (MO; sub var. americanum).

Bowling Green, field, 13.vii.1900, Sadie F. Price, (MO).

Bowling Green, 19.vii.1900, S.F.P. (MO; sub Ipomaea pandurata).

Pastures and roadsides, Burgin, Mercer Co., 28.vii.1916, Anna King, 173, (F).

Open fields and roadsides, Burgin, Mercer Co., 30.viii.1916, Anna King, 319, (F).

Open fields and roadsides, Burgin, Mercer Co., 30.viii.1916, Anna King, 319, (F).

Roadsides, Paris, Bourbon Co., 14.ix.1916, Anna King, 341, (F).

Roadside 1 mile west of Junction City, Boyle Co., 30.vi.1938,

Mary E. Wharton, Plants of Black Shale Region of Kentucky, 2918, (NY; as var. fraternifolius).

North American Plants collected in the State of Kentucky by B. Matthes, 361, (W).

Tennessee

Moist (soil) and along streams, Knoxville, 10.ix.1892, A. Ruth, (TENN; sub var. americanus).

Knoxville, open grounds, 10.vii.1897, Albert Ruth, 839, (TENN).

Cades Cove, Blount Co., climbing vine in sandy loam about 1800' 7.vii.1937, J.G.S. & H.M. Jennison, 3657, (TENN; sub Con. americanus).

Railroad bank below Univ. of Tenn., Knoxville, 9.ix.1946,
N. Russell, NR3044, (TENN).

East of Harris, roadside ditch, Obion Co., 14.viii.1947, A. J.
Sharp, E. Clebsch, A. Clebsch, 6224, (TENN).

S. of Prospect, Elk River Valley, Giles Co., 14.vii.1948, S.
Fairchild, E. Clebsch, A. J. Sharp, 9847, (TENN).

Georgia

Barton Co., on first terraces on N. side of Etowah R. below
Allatoona Dam, 19.vii.1948, Wilbur H. Duncan, 8534, (GH; sub
Con. americanus).

Illinois

Woods, 1842, S. B. Mead, (MO).

At Riverside, 4.ix.1876, A. W. Grassly, (F).

Decatur Co., Macon, 22.v.1896, Allan Gleason, 361, (GH; det var.
communis Tryon).

Fields, Wheatland, 26.viii.1896, L. M. Umbach, (F, US).

Near mouth of Rock Creek, Kankakee, 1.vii.1913, Judge Arthur W.
de Selm, 254, (F).

Lake Chicago Basin, railroad embankment, Riverside; that portion
of the head of the lake left by recedence of the lake, 22.vii.
1902, O. E. Lansing jr. 1443, (F).

Cornfields 3 mi. S.E. of Kankakee, 21.ix.1913, Judge Arthur W.
de Selm, 667, (F).

Richland Co., 6.ix.1924, Robert Ridgway, Plants of the Lower
Wabash Valley, 2234, (MO; as Con. fraterniflorus).

Olney (Learchmound), Richland Co., 16.vii.1925, Robert Ridgway,
Plants of the Lower Wabash Valley, 2432, (MO; as var. fraterniflorus).

Union Co., wet soil, 1.viii.1940, Geo D. Fuller, Ralph Fisher, 173
(F).

Decatur, 15.vii.1940, Ralph G. Mills (NY; sub Con. arvensis).

Decatur, 24.viii.1940, Ralph G. Mills, (NY).

Rich soil and cinders, 1½ mile east of De Soto, near Missouri
Pacific Railroad, Jackson Co., 10.vi.1941, John McCree Jr., 819,
(MO).

Roadside near Urbana, Champaign Co., 4.vii.1942, George Neville
Jones, 15276, (GH).

Peoria Co., Dr. J. T. Stewart, (F).

Iowa

Bentonsport, ix.1935, E. W. Graves, (TENN).

Davis Co., Lick Creek Twp., sec 26, on the Hill Culture
Experimental Farm, 1 mile west of Floris along Lick Creek,
24.vi.1939, Ada Hayden, 9592, (NY; sub var. pubescens Fern.).

Missouri

- Bottom, vi.1835, Dr. George Engelmann, 410, (MO).
 St. Louis, George Engelmann, (GH; sub var. pubescens; det var. repens, Syn. Fl. N. Amer.)
 Bridgeton, 25.vi.1859, J.Q.A. Fritchey, (MO).
 Cass Co., in field, 1.vi.1864, G. C. Broadhead, (MO).
 Bottoms, Cass Co., 23.vi.1864, G. C. Broadhead, (MO).
 Cass Co., on brush, 24.vii.1864, G. C. Broadhead, (MO; sub var. pubescens).
 Jefferson City, ix.1871, Dr. P. Krause, (MO).
 St. Louis Co., waysides, Forest Park, 7.vii.1875, H. Eggert, (GH, MO).
 St. Louis Co., an dammen & hecken, 7.vii.1875, H. Eggert, (MO; sub var. americanum).
 Jeff. Barr. (Jefferson Barracks), 17.vi.1890, Costo (MO; sub var. repens).
 St. Louis, vii.1884, H. Eggert, (QUK).
 Benton, St. Louis Co., 21.vi.1885, herb. Frederick Wislizenus, 330, (MO).
 Roadside below Olanda House, Mine la Motte, 10.vii.1890, Monell, (MO).
 Twining on Veronica nr. Blacksmith Shop, Mine la Motte, 3.viii.1890, Monell, (MO).
 South St. Louis, 10.v.1896, John H. Kellogg, (MO; sub var. americanus).
 Allenton, 15.vi.1898, George W. Letterman, (MO).
 Cliff Cave, 26.viii.1899, J.B.S. Norton, (MO).
 R.R. south St. Louis, 8.viii.1901, John H. Kellogg, (MO; sub var. americanus).
 Jackson Co., common on prairies, Oak Grove, 30.vii.1902, Kenneth K. Mackenzie, 75A, (NY; as Con. fraterniflorus M. & B).
 Cass Co., common on dry prairies, West Belton, 4.viii.1902, Kenneth K. Mackenzie, 100, (GH, NY; as Con. fraterniflorus M. & B.)
 Cass Co., common on prairie, 4.viii.1902, B.F. Bush, 1769, (GH, MO, NY; as Con. fraterniflorus M. & B).
 Grandview, common on prairie, 5.viii.1902, B.F. Bush, 1772, (MO; as Con. fraterniflorus M. & B).
 Martin City, prairies, 28.vi.1905, B.F. Bush, 3037, (GH, MO; as Con. fraterniflorus M. & B).
 Webb City, fields, 31.vii.1910, E. J. Palmer, 3075, (MO).
 In wheat fields, Webb City, Jasper Co., 16.vii.1911, E. J. Palmer, 3428, (MO; sub Con. repens).
 Low fields along Center Creek, near Carthage, Jasper Co., 13.viii.1911, E. J. Palmer, 3451, (MO; as Con. fraterniflorus).
 Palmyra Junction, Marion Co., R.R.banks, 9.vi.1912, Rev. John Davis, 3004, (MO).
 Oakwood, Ralls Co., open fields, 2.vii.1913, Rev. John Davis, 3120, (MO).

Oakwood, Ralls Co., meadows, 8.vii.1913, Rev. John Davis, 2643, (MO).

Gascondy, 21.vii.1914, W. H. Emig, 205, (MO; as Con.fraterniflorus).
Mainland Park, near Oakwood, Ralls Co., 1.vii.1914, Rev. John Davis, 1560, (MO).

In dry field in valley 3 miles northwest of Festus, Jefferson Co., 20.vi.1929, Julian A. Steyermark, 1372, (MO; as var. fraterniflorus).
Pleasant Hill, vi.1935, Alfred Meebold, 24059, (M; sub var. repens).
Field 2 mi. east of Sligo, 24.vi.1937, Cora Shoop, (F; sub var. pubescens).

Davis Ford, Laclede Co., 5.viii.1937, George Moore, (MO).

Low alluvial woods at base of limestone bluffs (20-40 ft.) high along Big Barren Fork, sect.16, T39N, R13E, 5 mi. N.W. of Iberia, Miller Co., 19.ix.1938, Julian A. Steyermark, 6735, (F; sub var. americanus).

Gravel bar along creek in Salix thickets, Washington Co., along Indian Creek, Upstream from road crossing, ..., T39N, R1W, sect. 16, 1 mi. south of Northcut p.o. (Birdie), 12.vi.1941, Julian A. Steyermark, 41164, (F; as var. fraterniflorus).

Arkansas

Fields, N.W. Arkansas, ex herb. F.L. Harvey, 119, (GH; sub var. americanus; det var. fraterniflorus, Tryon).

S. of Greenland, 7.vi.1923, J. T. Buchholz, (NY; sub Con. repens).

?Kansas

Creek bottom north of Kansas River, 23.ix.1847, A. Fendler, *Plantae Novo-Mexicanae*, 667, (BM, MO).

U.S.A. - other.

The Chester Co. (?), N. J. Canby, 573, (US).

C. fraterniflora subsp. orientalis Brummitt, ined.

CHINA

The first specimen, marked by an asterisk [✱] is discussed on p.

Szechwan

[✱]Plantes de Chine (Thibet orientale), 1894, R. P. Soulie, 2076, (P).
Mt. Omi, vi.1904, E. H. Wilson for James Veitch & Sons, 5076, (K,P).
Szechuan austr., prope Woloho (?) in dumetis, 2600 m., 13.vi.1914, Camillo Schneider, *Iter Chinense*, 1538, (E).

Chia-ding, 8.vii.1937, S. S. Chion, Plantae Szechuanense 5976, (E).
 Min River, Faber, 8, 284, (K, MO, NY).
 Yangtze, Min Val., Omei, E. Faber, (K).
 Plantae chinenses in prov. Setchuan ab incolis collectae, a
 C. Bock et A. v. Rosthorn communicatae, (UPS; det C. subvolubilis,
 Koidzumi).

Yunnan

Bodinier et Ducloux, 1897, pl. du Yunnan, 420, (K; sub C. dahurica).
 Tchen fong Chan, plante s'attachant aux buissons, fl. blanches,
 29.vi.1901, Ducloux, 2031, (MANCH, P).
 Tong-tchouan, haies de la plaine, alt. 2500 m. fl. blanc-rose,
 viii.1910, E. E. Maire, (W).
 Plaine de Tong-tchouan, alt. 2900 m., fl. roses, E. E. Maire, (W).
 Yolinchan pres Song min, 1910, F. Ducloux, (K; sub C. hederacea).
 Ad viam Yunnanfu-Suifu, wasserscheidenhohe, 15.ix.1914, Rud. Mell,
 (W; det. C. japonica, ?Handel-Mazzetti; redet. C. sepium f.
 gracilis Koch, ?Handel-Mazzetti).
 Between Chienchuan plain and the Mekong drainage basin to Lachiming,
 6400-7800 ft., climber, fls. pink, v.1923, J. F. Rock, 8612,
 (E, US).
 Pai-Ching, Ping-Ti, red flower, received 13.iv.1936, McLaren's
 collectors, (E).
 Yunnanfu, Rev. Pere Ducloux, from Dr. A. Henry 1901, (MANCH).

Kweichow

Mts. de Lou tsong Kaan, 10.vi.1897, Emile Bodinier, 1619, (P).
 Environs de Kouy yang, 31.vii.1897, Emile Bodinier, 1726, (P).
 Ad viam Tschening-Huang-tsauba-Yunnan, in dumetis inter opp.
 Kwanling et Muyu, copiose, substr. calceo, 1050-1200m, 22.vi.
 1917, Dr. Heinr. Frh. v. Handel-Mazzetti (Diar.No.2030) 10408,
 (W; sub C. japonica).
 Tungtze, alt. 400 m, in open slope, scandent on ground, fl. pinkish,
 16.v.1930, Y. Tsiana, 4827, (NY).
 Tuyun, alt. 400 m, in light scrub, scandent on scrub, fls. white,
 pinkish-tinged, 11.vii.1930, Y. Tsiang, 5706, A, (NY).
 On shrubs in rocky canyon, twining vine, fl. white, alt. 1100 m,
 Liang Fen Yah, Tsunyi Hsien, 6.viii.1931, Albert N. Steward,
 C. Y Chiao & H. C. Cheo, 194, (NY, US).

Kwangsi

Yeo Moa Shan, N. Lin Yen, in open thickets, twining climber, flower
 white, height 10 ft., alt. 4500 ft., 26.viii.1928, R. C. Ching,
 7147, (NY, W).

Hunan

In monte Yun-schan prope urbem Wukang, in declivibus graminosis
 herbosis prope templum Gwanyingo, schisto argilloso, alt. 1200 msm,

fl. albi et rosi, 14.vii.1918, Dr. Heinr. Frh. v. Handel-Mazzetti (Diar. Nr. 2552), 12291, (C, E, W; sub C. japonica).

Hupeh

- Ichang and immediate neighbourhood, 1887, Dr. A. Henry, 1567, (E, K).
 Ichang, 1887, Dr. A. Henry, 1839, (P).
 Ichang, 1886, Dr. Henry, 722, (K).
 Prov. Hupeh, 1885-88, Dr. A. Henry, 4475, (US).
 W. Hupeh, Patung, vii.1900, E. H. Wilson for J. Veitch & Sons, 1361, (E, K, NY, W).
 Monte Cia-inen-ku presso Siang-yang, vii.1904, Pdre. C. Silvestri, 1888 & 1888a, (FI).
 Patung Hsien, vine, flowers red, 25.v.1934, Ho Ch'ang Chow, 319, (E, NY).

Kiangsi

- Mont Vallin, 1873, M.l'abbe A. David, (P).
 Kewkiang, Lushan Mts., white, faint pink inside tube, 25.vi.1892, T. L. Bullock, (E, US).
 Circa carbonis minas Pinghsiang, fl. albi, 600 m alt., 1920, Wang-Ter Hui, Plantae Sinenses curante Handel-Mazzetti, 186, (C, W).
 Near Lipeichiao, Tsoongjen, 300 m, in shrubs, scandent, fls. pink, 6.vii.1932, Y. Tsiang, 10166, (NY).

Anhwei

- Chiu Hua Shan, 27.vi.1925, R. C. Ching, 4066, herb.no. 8456, (US).
 Chiuwasham, 700-800 m, fruit, 21.viii.1933, S. C. Sun, 1281, (NY).
 Chiuwashan, 700-800 m, flower white, 29.viii.1933, S. C. Sun, 1410, (NY).
 Chiuwashan, 700-800 m, flower white, 29.viii.1933, S. C. Sun, 1427, (NY).
 Chiu Hwa Shan, 520 m, fls. white, 6.viii.1934, C. S. Fan & J. J. Li, 125, (E (isotype), NY (holotype); sub C. sepium).
 Chiu Hwa Shan, 560 m., fls. white, slightly purple at base, along field margin, 10.viii.1934, C. S. Fan & Y. Y. Li, 177, (E, K, NY).

Chekiang

- Ling Ying Sze, Hangchow, 20.vi.1922, A. N. Steward, 2398, (K, MO, US).
 Hangchow, vi.1922, E. D. Merrill, 11305, (K, NY).
 Tien Tai Shan, Huating, 23.vii.1927, C.Y. Chiao, 14449, (NY).

China, unlocalised.

- China, Faber, T-chang (?), (W).

C pulchra Brummitt & HeywoodCULTIVATION

- Vaila, Lips., 1846 (Leipzig, cult., fide K. Rechinger), herb. Reichenbach fil., (W; sub C. ruthenica).
- Cult. Balmute garden, 1870, J. Boswell Syme, (MANCH; sub Con. daduricus).
- Flora Silesiaca, cult., 15.viii.1883, Vimebel (?), (US; sub C. dahurica).
- Garten des rauhen Hauses zu Horn bei Hamburg, vii.1885, J. G. Hallier, (L; sub Con. repens L., C. repens m.; mounted with following specimen).
- Karthausgarten in Eisenach, J. G. Hallier, (L; sub Con. repens L., C. repens m.).
- Highfield Lyss, cult., ix.1901, J. S. Gamble, 27993, (K; sub Con. dahuricus).
- Cult. Bot. Garten (Hamburg oder Dresden), herb. Reichenbach, (W; sub C. davurica; det. C. sepium aut. b. rosea Choisy, J. G. Hallier, 19.x.1891).

IRELAND, REPUBLIC OF, (introduced)

- H.1. North Kerry. Near Castle Island, 29.vii.1958, Ursula Duncan, (herb. U. K. Duncan; sub C. dahurica).
- H 3. West Cork. Roadside, park wall, Glandor Castle, 13.ix.1957, D. P. Young, 6207, (CGE).
- H 10. North Tipperary. Moneygall, 6.viii.1958, C. M. Goodman & J. G. Dony, (BM; sub C. dahurica).
- H 12. Wexford. Newtownbarry (Bunclody), Giffs Lane, near the town, 30.viii.1960, M. McCallum Webster, 2796, (LIVU).
- H 21. Dublin. Vico, Killiney, among brambles at top of railway cutting, 13.viii.1946, C. Pearson, 226/46, (TCD).
- H 25. Roscommon. W. Suberbs of Athlone, 9.ix.1956, D. A. Webb, (TCD).
- H 26. East Mayo. Manulla Cross Roads, 94/311599, M. Anderson, (CGE).
- H 29. Leitrim. Near Manorhamilton, hedge, climbing over Crataegus and Symphoricarpus, 7.vii.1946, S. Ross-Craig & J. Robert Sealy, 1086, (K; sub C. sylvestris).

- H 30. Cavan. 1 mile N. of Buttersbridge, 4.ix.1953, D. A. Webb (TCD).
- H 31. Louth. Togher, viii.1957, D. McClintock, (BM; sub C. dahurica).

GREAT BRITAIN (introduced)

England and Wales

- 2. East Cornwall. Par, lane, 28.viii.1925, L. T. Medlin, comm. E. Thurston, G 275, (OXF; sub C. sepium F. bicolor).
- 3. South Devon. Roadside, Peter Tavy, 20/5177, 8.vii.1957, J. F. & P. C. Hall & B. Welch, 57/29, (BM; det. C. dahurica, S. M. Walters).
- 4. North Devon. Ilfracombe, 7.viii.1918, H. J. Riddlesdell (BM; det. C. dahurica (Herb.) G. Don, S. M. Walters).
- 1. West Cornwall. The Lizard, Housel Bay Hotel, garden weed, 25.vi.1956, P. H. Davis, (EGH; sub C. sylvestris).
- 5. South Somerset. Climbing over hedge at side of road opposite War Memorial, Minehead, 21/969467, 7.viii.1958, J. Braybrooke Marshall, (BM, herb. J. B. Marshall).
- 6. North Somerset. Som. side of Suspension Bridge, 17.vi.1944, E. Y. E. Bell, (LTR).
- 7. North Wiltshire. Wanborough Plain, disturbed ground growing with nettles etc., 20.ix.1961, Donald Grose, (LIVU).
- 8. South Wiltshire. Hedgerow, East Knoyle, nr. Salisbury, viii.1956, B. M. Stratton, (CGE).
- 9. Dorset. Near Shaftesbury, hedge by entrance to Cannfield Farm, 31/881213, 5.ix.1958, J. M. Brummitt jnr. & Barbara Downing, (LIVU).
- 13. West Sussex. Near Cuckfield, Anstye, in hedge, 20.vi.1952, T. Wooddisse, (BM; det. C. dahurica (Herb.) G. Don, S.M. Walters).
- 14. East Sussex. Bexhill, H. L. Green, (OXF; sub Con. dahuricus).
- 16. West Kent. Plumstead Marshes, 23.ix.1951, J. E. Lousley, (K; sub C. sylvestris Fl. rosea).
Growing up galvanised wire mesh fence near recreation ground, Brasted Chart, Brasted, 51/467532, 15.vii.1959, J. Braybrooke Marshall, (herb. J. Braybrooke Marshall).
- 17. Surrey. Greyswood, Witley, 6.x.1886, E.S.M., (CGE).
In a hedge north of Merstham, 10.ix.1916, J. Fraser (K; sub C. sepium b. rosea; det. sylvestris, anon.; det. C. dahurica (Herb.) G. Don, S. M. Walters).

- Palewell Common: S.W. corner, climbing over nettles, 15.ix.1931, V. S. Summerhayes, E. Milne-Redhead, N.Y. Sandwith, 781, (K; sub C. silvatica).
- Hog's Back, Wanborough, 4.ix.1932, herb. J. Fraser, (BM; sub C. sepium var. rosea DC; det. C. dahurica, S. M. Walters).
- Chelsham, 12.vii.1933, C. E. Britton, 4090, (K; sub Con. dahuricus Sims).
- Roadside near Box Hill Mill, 25.vii.1942, J. E. Lousley (K; sub C. sepium).
- Bullswater Common, 1.ix.1946, N.Y. Sandwith & Rex Graham (herb. Sandwith).
- Little Common Lane, Bletchingley, 51/35, 6.viii.1956, B. A. Kneller, 5857, (CGE).
- Fence by railway station, S. Nutfield, 1956, B. A. Kneller, 5918, (CGE).
- By Wey Navigation Canal, Wisley, 6.vii.1957, J. E. Lousley, (BM, K; sub C. dahurica (Herb.) G. Don).
- Kew: along the towing path climbing over brambles near the C.M.1., 17.vii.1958, J. L. Gilbert, 316, (K; sub C. dahurica).
- Leith Hill, near Dorking, 28.vi.1959, J. A. Ratter, (LIVU).
- Nutfield, near Redhill, fence of long uncultivated garden near station, 17.vii.1959, B. A. Kneller, (LIVU).
- Bletchingley, near Redhill, roadside verge, Great Common Lane, 17.vii.1959, B. A. Kneller, (LIVU).
- Botley Hill, between Warlingham and Oxted, garden fence, ix.1959, B. A. Kneller, (LIVU).
- Climbing on wire mesh fence between Kew Bridge and back of herbarium grounds, 1960, C. C. Townsend, (K).
- Hedge facing river, Kew side of Kew Bridge, 13.vii.1961, W. B. Turrill, (K).
- Capel, between Dorking and Horsham, 3.vii.1962, J. T. Knight, (LIVU).
- On hedge of grounds of Reedham Orphanage along Old Lodge Lane, Reedham, Purley, 23.vii.1962, Ann Conolly, (LTR).
21. Middlesex. Twickenham Park, 19.viii.1867, W. T. Dyer, (BM, K; sub Convolvulus; det. ?C. sylvestris, anon.)
- South Kensington, grounds of Natural History Museum, 15.vii.1951, E. B. Bangarter, (BM; sub C. sylvestris (Willd.) R. & Sch.; det. C. dahurica, S. M. Walters).
- Waste ground at Natural History Museum, S. Ken., London, 18.vii.1959, J. Braybrooke Marshall, (herb. J. B. Marshall).
- Climbing on wire mesh fence, Chertsey Road, Twickenham, 1.vii.1960, C. C. Townsend, (K).
22. Berkshire. Cholsey, single plant growing on a fence by the road just near the railway embankment, almost in the village, on chalk, J. C. Bretherton, (K; sub C. sylvestris).

23. Oxfordshire. Marston brick yards, viii.1920, G. C. Druce, (OXF; sub Volv. dahuricus).
In a cottage garden, South Stoke, near Reading, 5.vii.1945, E. A. Elliot, (K; det. C. dahurica Herb., nearly glabrous on older parts and bracts rather small, anon.)
24. Buckinghamshire. Hedges between Loudwater and Wycombe Marsh, 12.ix.1942, H. Wallis Kew, (OXF; sub Con. sepium).
By parish hall, Great Missenden, 7.viii.1954, D. A. Webb, (TCD).
28. West Norfolk. Hedgebank, Tottington, 18.vii.1918, Fred Robinson, (BM; sub C. sepium).
Hedge near Stow Bedon, viii.1918, G. C. Druce, (OXF; sub Volv. sepium var. coloratus).
29. Cambridgeshire. Stretham, in hedge by road to Wicken, garden escape?, 52/515743, viii.1954, T. F. Hering, (CGE).
Garden hedgerow, Panton Street, Cambridge, 17.ix.1954, S. M. Walters, 54.62, (CGE).
Stretham, 12.vii.1958, S. M. Walters, (CGE, LIVU).
Cambridge, garden hedge in Panton St., about 20m. from Bateman Street, 12.vii.1958, R. K. Brummitt, 58.13, (LIVU).
Roadside hedge, Comberton, 7.ix.1958, S. M. Walters, (CGE).
Comberton, 6.viii. P. F. Yeo, (CGE).
32. Northamptonshire. Peterborough, abundant on a disused site, Oundle Road, New Fletton, 1950, J. L. Gilbert, (K; det. C. dahurica, S. M. Walters 1958).
33. East Gloucestershire. Bledington to Stow, 12.viii.1925, H. J. Riddlesdell, (BM; sub Con. sepium fl. rubro; det. C. dahurica, S. M. Walters).
Glos.: on road to Cheltenham, coll. W. Mathieson, comm. Shepscombe in lit. 28.viii.1927, (K; sub Con. sepium with pink flowers; letter attached).
Near Stroud, verge of the Chalford road near Bisley, 20.ix.1959, Miss P. Smith, Dr. Marguerite Hughes, (LIVU).
35. Monmouthshire. Blaenavon, very long grass, S0260083, alt. 1,100', 22.viii.1961, W. Davies, 39, (ABS, sub Con. aruensis).
38. Warwickshire. Hedgerow near Dunchurch, 42/4772, 20.ix.1957, S. M. Walters, 57.77, (CGE).
39. Staffordshire. Rolleston, 31.viii.1956, E. S. Eedes, 12232, (CGE; sub C. sylvestris).
40. Shropshire. Amongst bushes at side of brook against a lane near houses, Strefford, near Craven Arms, 33/446855, 12.vii.1958, D. P. Young, (CGE).
Bishop's Castle, in hedge on wall of derelict garden in centre of town, 7.x.1961, A. P. Conolly & A. O. Chater, (LTR).
41. Glamorgan. Hengoed, railway embankment, 8.viii.1959, Marjorie J. Brown, (ABS; sub C. sepium).
Bancffosfelen, G.R.490118, dry waste land, 30.vi.1959, Norma Evans, (ABS; sub C. sylvestris).

43. Radnorshire. Felindre, hedgerows, 32/1681, 7.viii.1956,
F. H. Perring, (CGE).
44. Carmarthenshire. Saron, E. of Newcastle Emlyn, 19.vii.1955,
D. A. Webb, (TCD).
Waste ground on river bank, Llandyssul, 22/413402, A. P. Conolly
& A.O. Chater, (LTR).
47. Montgomeryshire. Hedgerow near cottage on A490 near
Llanfyllin, 33/152185, 26.viii.1955, Bot.Sch.Exped. Wales,
W223, (CGE).
48. Merionethshire. Roadside, Betws Gwerfil Goch, 25.viii.1956,
V. Gordon, (herb. V. Gordon).
Corwen, climbing hedge outside railway station, 33/075434,
5.vii.1959, R. K. Brummitt, 59.518, (LIVU).
Llandderfel, in village near sewage works, 12.vii.1959, A. P.
Conolly, (LTR).
Near Bala, roadside tip by the lake, 24.ix.1959, P.W. Ball, J.A.
Ratter, J. Cullen & R. K. Brummitt, 59.784, (LIVU).
Covering rubbish tip behind Bont Newydd station, between
Dolgellau and Balla, 23/771201, 24.ix.1959, P.W. Ball, J.A.
Ratter, J. Cullen and R. K. Brummitt, 59.787, (LIVU).
Llandrillo, near Corwen, waste ground on river bank in centre of
village, 33/034372, 26.ix.1959, R. K. Brummitt, 59.816, (LIVU).
Bala, in hedge by hayfield on Festiniog road, 3.viii.1960, G.
Halliday, (LTR).
49. Caernarvonshire. Beddgelert, 26.viii.1915, W. C. Barton,
(BM; det. C. dahurica, S. M. Walters).
Llanberis, alley-way in town, 23/578602, 19.vii.1959, R.K. Brummitt,
59.614, (LIVU).
50. Denbighshire. Roadside near Creigiau Eglwyseg, nr. Llangollen,
33/217450, 21.viii.1955, Bot.Sch.Exped. Wales, W151, (CGE).
Cerrig-y-Druidion, roadside hedge on A5, about 200 m. west of
village, 23/950489, 17.vii.1959, R. K. Brummitt, 59.602, (LIVU).
Llanferres, 6 miles north-east of Ruthin, hedge by village school,
33/188610, 14.ix.1959, J.M. & J. A. Brummitt, (LIVU).
Near Llanellidan, 5 miles south of Ruthin, 29.vi.1960, Gigi Crompton,
(LIVU).
Near Wrexham, hedge near Gwersyllt on road to Gresford, 13.viii.
1960, M. E. London, (LIVU).
Wrexham, waste ground near the station, 33/328507, R.K. Brummitt,
(LIVU).
51. Flintshire. Small thicket on roadside by stream bank near
Rhyd-y-mwyn, 29.viii.1916, Chas. Waterfall, F.L.S., C. E. Britton,
(BM, K; sub Volvulus sepium Medrc.)
Rhyd-y-Mwyn, 1 mile along the Denbigh road near cottage gardens,
13.viii.1955, D. A. Webb, (CGE).

- Gwernaffield, near Mold, climbing *Symphoricarpos rivularis* in garden hedge, 100 m. east of cross roads in village, 33/208645, 15.viii.1958, R. K. Brummitt, 58.162, (LIVU).
- Gwernymynydd, near Mold, hedge on main road by last house of village, 33/221629, 27.viii.1958, R. K. Brummitt, 58.244, (LIVU).
- Cat Hole, near Mold, hedge beside new road, 20 m. from A494, 33/205627, alt. 700'-750', 15.ix.1958, Mr. & Mrs. J.M. Brummitt Snr., (LIVU).
- Gwernaffield, (Waen), near Mold, hawthorn hedge opposite houses at east end of village, 33/208645, 12.vii.1959, C.N. Butterworth, G.W. Stirrup, R.K. Brummitt, 59.542, (LIVU).
- Cilcain, 3 miles west of Mold, climbing on *Urtica Dioica* on shady stream bank of long-ruined cottage, 33/178649, alt. 600', 12.vii.1959, C. N. Butterworth, G. W. Stirrup, R. K. Brummitt, 59.543, (LIVU).
- Maeshafn, 19.vii.1959, V. Gordon, (herb. V. Gordon).
- 3½ miles north-west of Mold, on fence by cottages near limeworks a mile from Rhydymwyn, 9.ix.1961, R. K. Brummitt, 61. , (LIVU).
53. South Lincolnshire. Sincil Dyke, Lincoln, back of garden, (CGE).
54. North Lincolnshire. Stainton by Longworth, 26.ix.1957, J. Gibbons, (CGE).
- Elsham, by cottage near railway station, ix.1958, J. Gibbons, (CGE).
55. Leicestershire. Woodhouse Eaves, hedge, 1.ix.1945, T.G. Tutin, (LTR).
- Freemans Common, Leicester, 25.viii.1947, E. K. Horwood, (LTR).
- University Rd., Leicester, 16.vii.1957, P. W. Ball, (CGE).
- Roadside, ½ ml. on Hinckley side of Earl Shilton, 23.ix.1957, T. G. Tutin, (LTR).
- Woodhouse Eaves, 3 miles south of Loughborough, 1.viii.1960, J.M. & J.A. Brummitt, (LIVU).
58. Cheshire. Ringway, hedge, roadside, 15.ix.1949, J.G. Roger, KK1357, (MANCH).
- Thingwall, between Birkenhead and Heswall, on garden hedges and bushes, 33/275851, 10.ix.1957, James Cullen, (LIVU).
- Tarporley, covering garden hedges on main road A51, 33/551632, 20.ix.1959, R. K. Brummitt, 59.783, (LIVU).
59. South Lancashire. Bickerstaffe, 9.ix.1951, V. Gordon, (herb. V. Gordon, sub *C. sylvestris* (pink), redet. *C. dahurica*).
- Hedgerow near houses, Maghull, nr. Liverpool, 27.ix.1955, S. M. Walters, (CGE).
- Roadside, Westhead, 12.viii.1957, V. Gordon, (herb. V. Gordon; sub *C. sylvestris*, redet. *C. dahurica*).
- Liverpool, waste ground between houses, Northway, Wavertree Garden Suburb (with 'freak' flower and bracteoles), 14.viii.1958, R. K. Brummitt 58.119, (LIVU).

- Maghull, small patch with few stems climbing hedge at junction of Poverty Lane and Leatherbarrows Lane, 34/389012, 19.viii.1958, R. K. Brummitt, 59.164, (LIVU).
- Maghull, at intervals for c. 50 m. in hawthorn hedge, Deyes Lane, 33/380023, 19.viii.1958, A. V. Pullin & R. K. Brummitt, (LIVU).
- Westhead, 2 miles east of Ormskirk, among grasses and Rubus on steep bank by road below railway bridge, 34/444077, 20.ix.1958, R. K. Brummitt, 59.304, (LIVU).
- Prescot, waste ground at cross road, Eccleston Lane Ends, 33/474934, 20.vii.1959, G. W. Stirrup, (LIVU).
- Wavertree Nook, Liverpool, scrambling over waste ground between houses in Northway, city suburbs, 33/398899, 28.viii.1959, R. K. Brummitt, 59.657, (LIVU; PARATYPE).
- Westhead, near Ormskirk, roadside hedge, School Lane, 33/441074, 3.ix.1959, R. K. Brummitt, 59.702, (LIVU).
- Earlstown, near St. Helens, hedge beside main St. Helens-Earlstown road, near Sankey Brook, 33/558948, 9.ix.1959, R. K. Brummitt, 59.737, (K; HOLOTYPE).
- Appley Bridge, 4 miles north-west of Wigan, climbing bushes at roadside, 34/523103, 25.vi.1960, R. K. Brummitt, 60.526, (LIVU).
- Skelmersdale, outside Railway Hotel, 34/468062, 14.vii.1960, Jim Jeremy, (LIVU).
- Liverpool, rampant over unkept garden, Wood Grove, off Edge Lane, 33/385908, 31.vii.1961, R. K. Brummitt, 61.793, (LIVU).
- Clitheroe, in town, 8.vii.1961, V. Gordon, (LIVU).
- Woolton Village, suburban Liverpool, on bushes by bus stop to town, 33/425867, 10.viii.1961, R. K. Brummitt, 61. , (LIVU).
- 1½ miles north-west of St. Helens, roadside hedge, corner of Catchdale Moss Lane, 33/473971, 24.ix.1961, J.M. & J.A. Brummitt, 61.1438, (LIVU).
- Barrow Nook, 4 miles south-east of Ormskirk, in hedge, 34/449023, 25.ix.1961, R. K. Brummitt, 61.1429, (LIVU).
- Oldham, flowerbed weed, Alexandra Park, 14.viii.1962, Rev. C.E. Shaw, (LIVU).
- Climbing on shrubs, brambles etc. by railway, Collins Green, 3 miles east of St. Helens, 33/560943, 9.ix.1962, R. K. Brummitt & E. A. Pilling, (LIVU).
- Loc. class., 33/558948, 9.ix.1962, R. K. Brummitt, (LIVU).
- Roadside railings near Lowton St. Mary's Station, 2½ miles south-west of Leigh, 33/63 97, 9.ix.1962, R. K. Brummitt, (LIVU).
60. West Lancashire. Garstang, hedge near bridge on old main road, near junction with road to station, 34/498435, 31.viii.1958, R. K. Brummitt, 58.260, (LIVU).
61. South-east Yorkshire. Garden hedge, Old Rectory, Burnby, near Pocklington, 14.vii.1960, Miss S. Shorer, (herb.C.M. Rob).

63. South-west Yorkshire. Bank of Calder on S. side of rail br. at Mirfield - a wool mill yards bank of river to Goit, thoroughly established in plenty, 7.viii.1909, F. A. Lees, P. F. Lee and F. W. Whittaker, (BM; sub C. sepium var. repens Gray, syn. americanus (Sims), incarnata (Loudon); det. C. dahurica, S. M. Walters).
- Baildon, near Shipley, near Bradford, on shoddy tip and hawthorn hedge, 27.vi.1960, Florence Houseman. (LIVU).
- Frizinghall, between Bradford and Shipley, 20.ix.1960, H. D. Sutcliffe, comm. G. A. Shaw, (LIVU).
- About 2 miles south-east of Barnsley, main road near Dearne Garage, 13.viii.1962, Rev. C. E. Shaw, (LIVU).
64. Mid-west Yorkshire. York, boundary hedge of West Bank Park, Acomb Road, 44/55, 25.vii.1959, T. F. Medd, (LIVU).
- Near Grassington, in quantity in cottage garden and escaping onto waste ground nearby, by limeworks, 10.ix.1959, R. K. Brummitt, (LIVU).
- Between Wetherby and Tadcaster, rampant on hedge and bushes alongside garden of Mr. Kilby's farm, Allerton Park Estate, Thorp Arch, 100 yards from bridge over R. Wharfe opposite Jackdaw Crags at Boston Spa, ix.1960, Flora Houseman, (LIVU).
- Esholt, between Shipley and Otley, ix.1961, F. Houseman, (LIVU).
65. North-west Yorkshire. Garden hedge, Croft, near Darlington, 19.ix.1961, C. M. Rob, (herb. C. M. Rob).
66. Durham. S. Wylam, hedgebank, 31.viii.1954, B. Sowerby, 27, (BM; sub C. sylvestris).
68. Northumberland North. Berwick on Tweed, ix.1961, H. D. Sutcliffe, (LIVU).
69. Westmorland with North Lancashire. Roadside north of Cartmel, 8.viii.1948, Ann Conolly, Yll, (LTR).
- Arnside, 12.viii.1951, V. Gordon, (LPL; sub C. sylvestris).
- Near Hale, Arnside, 8.vii.1956, V. Gordon, (herb. V. Gordon; sub C. dahurica).
- Lindale, 27.vi.1959, J.M. & J.A. Brummitt, (LIVU).
- Broughton-in-Furness, hedge, 27.vi.1959, J.M. & J.A. Brummitt, (LIVU).
- Grizebeck, Furness, 27.vi.1959, J.M. & J.A. Brummitt, (LIVU).
- Near Windermere, junction of Thornthwaite Rd. and Park Road, Heathwaite, 34/415978, 25.viii.1959, Elizabeth Pilling, (LIVU).
- Grizebeck, near Broughton, hedgerow, 34.237853, 2.viii.1961, Anne Martin & Peter E. Gibbs, 61.989, (LIVU).
70. Cumberland. Hedgebank, Eden Town, Carlisle, vii.1876, herb. W. B. Waterfall, (K).
- Garden fence at foot of Stanwix Bank, Carlisle, 10.viii.1949, C. W. Muirhead, ex Carlisle Mus. Herb., (K).
- Forge Pond, Dalston, near Carlisle, 18.viii.1949, Dennis Graham, (GB).

Eskdale Green, 27.vi.1959, J.M. & J.A. Brummitt, (LIVU).
Near Ravenglass, 35/172008, 1959, P. Blundell, (LIVU).

Isle of Man

71. St. John's, 3 miles south-east of Peel, hedge in Lane,
10.viii.1961, J.M. Brummitt snr., 61.794, (LIVU).

Scotland

73. Kirkcudbrightshire. In hedges at Rockcliffe on shore of
Rough Firth, 13.vii.1899, Charles Bailey, (MANCH; sub Volvulus
sepium Junger).

Near Gatehouse of Fleet, roadside outside gates of Cardoness
Castle, 4.ix.1958, J.M. & J.A. Brummitt, (LIVU).

Twynholm, 25.vii.1959, J.M. & J.A. Brummitt, (LIVU).

Gatehouse of Fleet, outskirts of town on Castle Douglas road,
11.viii.1959, J.M. & J.A. Brummitt, (LIVU).

Tongland, by reservoir and waste works, 11.viii.1959, J.M. & J.A.
Brummitt, (LIVU).

Palnackie, near Dalbeattie, by disused saw mill, 11.viii.1959,
J.M. & J.A. Brummitt, (LIVU).

Dundrennan, hedge near Army Tank School, 11.viii.1959, J.M. &
J.A. Brummitt, (LIVU).

Castle Douglas, (common in the county hedgerows), 28.vi.1960,
M. McCallum Webster, 5040, (LIVU).

Dundrennan, hedge by Dundrennan Abbey, 10.viii.1960, J.M. & J.A.
Brummitt, (LIVU).

Between Laurieston and Ringford, 10.viii.1960, J.M. & J.A. Brummitt,
(LIVU).

74. Wigtownshire. Bladnoch, in ruined house, 25.vii.1959, J.M.
& J.A. Brummitt, (LIVU).

82. East Lothian. Near North Berwick, 36/58, E. Beattie, (CGE).

83. Mid Lothian. From a hedge at Easter Duddingston, ix.1884,
Arch. Gray, (E; sub Con. sepium; det? sylvestris anon.; det.
C. silvatica, R. K. Brummitt, 1958).

Ratho, in hedgerow, 300', 6.vii.1952, J. F. Haddow, (EGH; sub
C. sepium).

7½ m. S. of Edinburgh on the Dalkeith road, 18.viii.1954, D. A.
Webb, (CGE).

Duddingston Mills, Edinburgh, hedge, waste ground by stream (also
50 m. away on waste ground), 8.ix.1958, J. Cullen & R.K. Brummitt,
58.299, (LIVU).

Wallyford, near Musselburgh, hedge on S.W. side of road between
village and railway, 36/369724, 8.ix.1958, J. Cullen & R. K.
Brummitt, 59.298, (LIVU).

88. Mid Perthshire. Lochearnhead, 8.ix.1902, W. Edgar Evans, 1202,
(E; det.? sylvestris anon.; det. 'large form of C. dahurica',
R. K. Brummitt, 1958).

- Loch Tummel, hedge by garden, 7.vii.1947, T. G. Tutin, 47113, (LTR).
- 90 Angus. Errol, 38/22, 13.ix.1958, U. K. Duncan, (CGE).
Near the church, Kinnel, naturalised by roadside near cottages, 25.viii.1959, Ursula Duncan, (herb. U. K. Duncan; sub C. dahurica).
- Roadside nr. Greenmyre, Kirkton of Kingoldrum, 30.viii.1959, Ursula Duncan, (herb. U. K. Duncan; sub C. dahurica).
- Waste ground near Reswallie by Forfar, 13.ix.1959, Ursula Duncan, (herb. U. K. Duncan; sub C. dahurica).
91. Kincardine. Roadside near cottage by Laurencekirk, 30.ix.1958, Ursula Duncan, (herb. U. K. Duncan, sub. C. dahurica).
95. Moray. Forres, rough open ground in Greshop Wood, 8.vii.1960, M. McCallum Webster, 3848a, (LIVU).
- Elgin, by River Lossie near the Cooper Park, 13.viii.1960, M. McCallum Webster, 3848, (LIVU).
96. East Inverness with Nairn. Inverness, 4.vii.1959, V. Gordon, (herb. V. Gordon).
97. West Inverness. Roadside between Fort William and Spean Bridge, 12.viii.1959, E. K. Horwood, (LTR).
98. Argyll. Hedge near a cottage, Kilchrennan, 5.ix.1920, presented L. V. Lester-Garland, (K; sub C. sepium).
- Eriska, ix.1956, R. S. Fitter, (CGE).
102. South Ebudes. Scalasaig, Isle of Colonsay, garden fence, vi.1948, C. W. Muirhead, (E; sub C. sylvestris).
104. Skye. Wall facing beach, Broadford, Skye, 27.vii.1956, T. F. Hering, (CGE).
106. Easter Ross. Fortrose, 3.vii.1958, Ursula Duncan, (herb. U. K. Duncan; sub C. Dahurica).
108. West Sutherland. Back of the Inchnadamph Hotel, 29/253217, 27.vii.1959, P. D. Sell, 59.190, (CGE).

Northern Ireland

- H 38. Down. Holywood, 15.vii.1885, (DBN; det silvatica, D. A. Webb).
- By roadside at Isle-o-Valley near Strangford, viii.1959, R. K. Meikle, 2138, (K).
- Roadside hedge near Lisnacree, between Rostrevor and Kilkeel, 16.viii.1961, R.K. Brummitt, 61.1452, (LIVU).
- H 39. Antrim. Cushendall, hedge on outskirts of town on road to Waterfoot, 28.viii.1961, R.K. Brummitt, 61.1452, (LIVU).

Additional records of which specimens have not been seen by the author:

11. South Hampshire. Climbing over hedge near cottages, Fritham, R. D. Tweed, (UCNW; comm. R. D. Tweed in lit.).
27. E. Norfolk. Norwich, 1960, E. A. Ellis, (
48. Merionethshire. Llanfor, near Bala, in middle of village, 8.viii.1961, P. L. Pearson, (verbal communication).
51. Flintshire. Roadside at Greenfield near footpath to Basingwerk Abbey, 18.ix.1954, M. E. London (comm. in lit.).
63. South-west Yorkshire. Calder Bank Mills, Dewsbury, 1960, H. D. Sutcliffe, (comm. G. A. Shaw in lit.).
- H 38. Down. Roadside hedge 3 miles east of Killard, 1936, Praeger, (Praeger (1938)).
Rough ground at Killough, 1936, Praeger, (Praeger (1936)).
- H 39. Antrim. Hedges at head and foot of Glenariff, 1935-37, (Praeger, (1936)).
- H 40. Derry. Portstewart, Mrs. W. S. Wright, (Praeger (1936)).

Specimens seen by the author but not preserved as herbarium material:

59. S. Lancashire. Railings near Middleton Cricket Club, 22.viii.1962, C. E. Shaw.
60. West Lancashire. Garden weed, Poulton-le-Fylde, 22.viii.1962, C. E. Shaw.
58. Cheshire. Near Dutton, Weaver Valley, 21.vii.1962, V. Gordon.

FRANCE (introduced)

Isle de France

Seine et Marne. Thomery, dans une haie, 9.vi.1889, herb. E. Jeanpert, (F; sub C. sepium fl. ros.)

BELGIUM (introduced)

Hofstade, buisson, 5.vii.1931, V. Lambert, (BR; sub Con. sepium; det. ?sylvestris anon.)

HOLLAND

The following specimens are from only six difference localities, the earliest 1891.

Zuid Holland

Duischelling Noordwijk, vi.1891, (Collector illegible) (L; sub Con. sepium var. sylvestris; det. C. silvestris, van Ooststroom, 1933; det C. sepium p rosea Choisy = Con. repens L., anon.).

Heg by Noordwijk, 1892, (collector illegible), (L; sub Con. sepium var. sylvestris; det. C. silvestris, van Ooststroom, 1933).

Boschrijke duinpan by Noordwijk, 5.vii.1893, W.F.R. Piringar (?) (L; sub Con. sylvestris).

Noordwijk, Sisse, vii.1893, F.J. Struykenkamp, (L; sub Con. sylvestris).

In een duinboschje by Noordwijk, 1.vii.1894, L. Vuyck, (L; sub C. sylvestris).

Heure Stadwijk, Voorschoten, 13.vii.1897, L. Vuyck, (L; sub Con. sylvestris var. rosea; det. C. sepium aut. p rosea Choisy von Noord Amerika (= Con. repens l.), Hallier, 7.vii.1909).

Bekende gronplaats by Noordwijk, 18.vii.1897, L. Vuyck, (L; sub Con. sylvestris var. rosea; det. C. sepium aut. p rosea Choisy von Noord Amerika (= Con. repens L.), Hallier, 7.vii.1909).

Leer tabrijk verwilderd op Stadwijk onder Voorschoten, 20.vii.1897, Dr. Vuyck, (L; sub Con. sylvestris var. rosea; det. C. silvestris, S.J. van Ooststroom, 1933).

An Noorden van Noordwijk a/ Zee in een duinboschje, 12.viii.1899, F.A. des Tombe, (L; sub Con. silvestris var. roseus, syn. Con. dahuricus Sims?).

In "Boschje" in de duinen van Noordwijk, vi.1909, herb. Cath. Cool., (L; sub Con. sylvestris; det. C. silvatica, S. J. van Ooststroom, xii.1958).

Duinboschje Noordwijk, 18.viii.1916, van Soest, 18838, (L; sub Con. dahuricus Sims, det. C. silvatica (Waldst.) Griseb.).

Noord Holland

Haarlem: terrein van de Delft, 4.vii.1939, R. J. Roggeveen, (L; sub C. silvestris R. et Sch.).

Utrecht

Doorn, viii.1929, Jansen & Wachter, (L; sub Con. sepium L. fl. roseis; det. C. silvatica (Waldst.) Griseb., S.J. van Ooststroom, xii.1958).

Rhenen, ruderaat terrein, 25.ix.1956, M.T. Jansen, (L; sub C. sylvestris (Willd.) R. et Sch.).

Gelderland

Oosterbeek-Lorg, in massa op 1 plaats langs di Spoordijk, vii.1951, Jansen, herb. Jansen & Wachter 79096, (L; sub C. sylvestris R. et Sch.).

Bayern

Herrsching, ix.1907, Schmidt, (M; sub Con. sepium).
 Dachau, Oberbay., Verwildert an einem Zaun, 14.viii.1949,
 Suessengoth, (M; sub Con. silvaticus W & K; det. f. rosea
 Hylander, H. Scholz, 10.vi.1958).

Baden Wurttemberg

Baden Baden, vi.1909, Margit Heimbürger, (H; sub C. sepium).

Sachsen

Niederlossnitz, vii.1897, Felix Fritsche (M; sub Con. sepium
 flore roseo; det. C. silvestris f. rosea Hylander, H. Scholz,
 10.vi.1958: MANCH; sub Con. sepium var. roseus).
 Niederlossnitz, an weinbergen, 6.vii.1895, Felix Fritsche, (H,
 sub C. sepium flore roseo).

Additional records of specimens not seen by the author:

(Herbarium abbreviations, from Scholz (1960), - B = Herb. Bot.
 Museum Berlin - Dahlem; BF = Herb. Inst. Syst. Bot. Berlin-Dahlem;
 D = Herb. Saxonicum, Dresden; H = Herb. Hamburgisches Staatsinst.;
 MS = Herb. Landesmuseum F. Naturkunde Munster/Westfalen.)

Schleswig-Holstein

Bornsen, (Krs. Lavenburg), am Ortsavsgang, 12.viii.1957, H.Scholz,
 (BF; vide Scholz (1960)).
 Kiel, Düsternbrooker Weg, 20.viii.1957, H. Scholz, (BF; vide
 Scholz (1960)).
 Helgoland, 28.vi.1959, H. Scholz, (BF; vide Scholz (1960)).

Hamburg

Schutt im Winterhuder Bruch, ix.1891, J. Schmidt, (H (v.s.); sub
C. sepium var. coloratus; vide Scholz (1960)).

Westfalen

Munster, vii.1902, und ix.1902, Brockhausen, (MS, sub C. sepium
 v. roseum; 'I Menge hinter der Maver zum Guten Hirten auf St.
 Moritz', Vgl. Brockhausen 1926; 182 und Runge 1955 : 414; vide
 Scholz (1960)).
 Meiste b. Ruthen (Bez Arnsberg), o.D., (MS; vide Scholz (1960)).
 Siegen, Städtischer Müllplatz an der Achenbacher Landstr.,
 27.vii.1926, A. Ludwig, (herb. A. Ludwig, B; vide Scholz (1961)).
 Krs. Siegen, Schutt bei Buschhütten, 8.ix.1933, A. Ludwig, (herb.
 A. Ludwig, B; sub C. sepium "Bluteu rosa", vide Scholz (1961)).
 Tecklenburg (Teutoburger Wald), an einer Ruderalstelle, viii.1936,
 van Ooststroom, 6963, (herb. van Ooststroom, vide Scholz (1961)).
 Krs Siegen, Hecke beim Bahnhof Irmgarteichen, 23.vii.1951, A. Ludwig,
 (herb. A. Ludwig, B; sub C. sepium f. roseum, vide Scholz (1961)).

Siegen, auf dem Geiersberg an einem Gartenzaun an der Berleburger Str., 1.ix.1960, Hunerbein, (herb. A. Ludwig, vide Scholz (1961)).

Berlin

Zehlendorf, Podbielski-Allee, 20.vii.1955, Sukopp, (BF; eine ziemlich behaarte Form; vide Scholz (1960)).

Mariamfelde, Kirchstrasse, 19.vii.1958, H. Scholz, (BF; vide Scholz (1960)).

Sachsen

Niederlossnitz, an Weinbergen, 6.vi.1895, & vii.1896, Fritsche (Ms, D; sub C. sepium fl. rosea; vide Scholz (1960)).

Dresden, Eisenbahnschuttgelände in der Friedrichstadt, 23.vi.1932, Schöne, (D; sub C. dahuricus; vide Scholz (1960)).

Dresden, Wuster Platz an der Berliner Strasse, 23.vi.1932, Stiefelhagen, (D; sub Convolv. dahuricus; vide Scholz (1960)).

Thüringen

Bei Weimar, viii.1871, Haussknecht (B; sub C. dahuricus; "In Weidengebüschen"; vide Scholz (1960)).

AUSTRIA

Salzburg

Ket, Golling, 1.viii.1935, herb. General J. Schneider, (W; sub Con. silvaticus).

CZECHOSLOVAKIA

Moravia

.... Winkelsf., 16.viii.1912, herb. General J. Schneider, (W; sub Con. sylvaticus).

POLAND

Hirschberg, Gossindorf in Niederdorfe an Hecken, 27.viii.1895, E. Fiek, (LD; sub Con. dahuricus).

Leubus : am Weinberg mit Convolv. sepium, scheinbar wild, 4.viii.1896, C. Scholz, (LD, MA; sub Con. dahuricus).

DENMARKJylland

Hordum Skov, affaldesbunke i eng tabrig, 6.vii.1953, herb.

E. B. Hoffmeyer, (C; sub Con. silvestris Roem. & Sch.).

Moskov Station i Piold Skov, distr.11, 10.ix.1953, Erl Transtedt,
(C; sub Con. silvestris R. & S.).

Skallingen Peninsula, near Oksby, hedgerow, 23.vii.1955, Nora
Croin Michielsen, 133, (L; sub C. silvatica (Waldst.) Griseb.).

Fyn

Aero. Borgnæs Strand, Distr.33, 1928, L.P. Lauritsen, (C; sub
Con. sepium L. f. rosea DC; det. C. silvestris (Willd.) R. & S.
f. rosea, N. Hylander, 1949).

Distr.33, Skraent mod Have ved Borgnæs Krat, 1 Stor Koloni,
21.vii.1944, Johs. Grontved, 1157, (C; sub Con. sepium v. roseus
Lge.; det. C. silvestris f. rosea, N. Hylander, 1949).

Sjælland

Ordrup, 27.viii.1892, C. Raunkiaer, (C; sub C.s.v. coloratus).

Ruderat ved Yagtvejen, 22.ix.1900, K. Wiinstedt, (C; sub Con.
dahuricus Sims).

I Roret v. Birkerød Sos Nordostside, 25.viii.1901, H. Mortensen,
(C; sub Con. sepium p coloratus Lge.; det. C. silvestris f. rosea,
N. Hylander, 1949).

Amag.(er) nar(a) "Faste Batteri," 5.vii.1904, H. Mortensen, (C;
sub Con. sepium coloratus Lge.; det. C. silvestris f. rosea,
N. Hylander, 1949).

Falster

Stubbekobing Losseplads, 1.ix.1941, S.M.R., (C; det. Con. sepium -
Form, K. Wiinstedt, 1942; det. C. silvestris f. rosea, N.
Hylander, 1949).

Bornholm

Hasle, 10.vii.1933, Ova Ostrand, (S; sub Con. sepium f. coloratus
Lge.)

Klipper, Gudhjem, 19.vii.1953, Kai Larsen (C; sub Con. silvestris
Roem & Schult.)

SWEDENSkane

Halsingborg, i den branta kanten vid vagen till Helsan, forvildad,
31.vii.1867, C. Reuterma, (GB; sub C. silvestris; det C. silvestris
f. rosea, N. Hylander 1949).

- Helsingborg, vii.1874, A. Vinge, (GB; sub Con. sepium; det C. silvestris, Hylander 1949).
- Helsingborg, nara hamnen, 20.vii.1883, J. Thulin, (LD; sub Con. coloratus; det. C. silvestris f. rosea, N. Hylander 1949).
- Malmo, viii.1886, Johansson, (BM).
- Vaxtstalle, Skurup, vii.1891, C. Lofvander, (LD; sub Con. sepium; det. C. silvestris f. rosea, N. Hylander 1949).
- Lofvestad, 20.vii.1904, Olof J. Hasslow, (BM, GB, H, L, MO; sub Con. sepium b. coloratus; det. C. silvestris f. rosea, N. Hylander 1949 at GB & L).
- Kristianstad, 24.viii.1909, P. Tufvesson, (LD; sub C. sepium; det. C. silvestris f. rosea, N. Hylander 1949).
- Malmo, viii.1909, David Hylmo, (LD; sub C. sepium f. rosea).
- Helsingborg vid Vikingsberg, 20.vii.1913, Th. Sjoval, (GB).
- Malmo, ruderatplats, 7.vii.1920, Carl Blom, (GB).
- Horby, vii.1920, A. Edv. Gorton, (LD; sub Con. sepium; det. C. silvestris f. rosea, N. Hylander 1949).
- Eslov vid jarndagens korsnius av Trekaradag, viii.1922, Henning Nilsson, (LD; sub C. silvestris).
- Kullen, viii.1927, S. Torgard, (LD; sub C. sepium v. colorata; det. C. silvestris f. rosea, N. Hylander 1949).
- Kristianstad, utanfor nya kyrkogarden, 15.vii.1930, L. Lindquist, (GB; det. C. silvestris f. rosea, N. Hylander 1949).
- Ystad, sophog, 2.ix.1939, Per-Edwin Wallen, (LD; sub C. sepium v. colorata; det. C. silvestris f. rosea; Paratype of C. pulchra Brummitt & Heywood).
- Ivetofta sn: Strandvik vid en stenmur (sekt.3), 6.viii.1942, Olof Andersson, (LD; sub C. sepium; det. C. silvestris f. rosea, N. Hylander 1949).
- Hven, nordostridau i strand slutning nara Husvik, 22.vi.1946, Arvid Nilsson, (LD; sub C. silvatica).
- Brunnby sn, Nyhamnslage bland Lycium buskar pa avfallsplats norr hamnen, 14.vii.1949, C. A. Toren, (LD; sub C. silvestris f. rosea).
- Malmo, 16.viii.1949, Nils Hylander, (UPS; sub C. silvestris).
- Nyhamnslage, 18.vii.1949, C. A. Toren, (LIVU, UPS; sub C. silvestris f. rosea).
- Landskrona, Weibullshohn (?), 29.vii.1950, Th. Lange, (UPS; sub C. silvestris f. rosea).

Blekinge

- Carlskrona, Kronovarv., 1874, H. G. Lubeck, (C, GB, LD; sub Con. sepium v. colorata; det. C. silvestris f. rosea, N. Hylander 1949).
- C.krona a Kronovarfvat, 1874, H.G. Lubeck, (COI; sub Con. sepium coloratus).
- Karlskrona, vii.1897, A. Nordstrom, (GB; sub Con. sepium b. coloratus; det. C. silvestris f. rosea, N. Hylander 1949).

- Carlskrona, Kronovarfvat, viii.1901, Robert Zachrisson, (F, LD; sub Con. sepium b. coloratus; det. C. silvestris f. rosea, N. Hylander 1949).
- Augerum, viii.1915, Emil Rundkwist, (LD; sub C. sepium var. colorata; det. C. silvestris f. rosea, N. Hylander 1949).
- Hellcoih Mjaesby sn. (?), viii.1915, G. Johansson, (BM).
- Solvesborg, Valje, 17.vii.1932, Bj. Holmgren, (LD; sub C. sepium var. colorata; det. C. silvestris f. rosea, N. Hylander 1949).
- Karlskrona, Vamo skjutbana, 27.vii.1942, Bjorn Holmgren, (LD; sub C. sepium var. americana (Sims) Hyl.; det. C. Silvestris f. rosea, N. Hylander 1949).
- Forkala, Forstheim, 15.viii.1952, H. Wachtmeister, (UPS).

Halland

- Saro, vii.1902, Fr. Schlanbusch, (LD; sub Con. sepium b. coloratus; det. C. silvestris f. rosea, N. Hylander 1949).
- Fjords, Sokatrip, viii.1910, Sten Svensson, (LD; sub Con. sepium var. colorata).

Goteborg och Bohuslan

- Gbgs. skärgård Styrso vid Bravik, 20.vii.1908, Th.Lange, (GB, H; sub C. sepium var. coloratus; det. C. silvestris f. rosea, N. Hylander).

Stockholm

- Stockholm, vii.1885, K. Fr. Thedenius, (GB, H, LD; sub Con. sepium var. coloratus; det. C. silvestris f. rosea N. Hylander 1949).
- Saltsjobaden, horsuingen av Ravinvajen o. Vinbarsvajen, pa vaj att forvildas, 18.viii.1950, Nils Hylander, (UPS; sub C. silvestris f. rosea).

C. marginata R.Br.AUSTRALIA

- R. Brown, Iter Australiense 1802-5, 2770, Port Jackson, (presented by the direction of J.J. Bennett 1876) Ipomoea marginata, Calystegia marginata prod. 413, Nepean & Hawkesbury (n. 21).
 Parramatta, New South Wales, 1799-1810, G. Caley, Jan. 1801, 'I have never seen but little of this as yet' (K).
 Nova Holl., prope Port Jackson, Ferd. Bauer 212 (K).
 Gippsland, Victoria, F. v. Muller (K, UPS).
 Brisbane River, Ferd. Muller (K).
 Brodribb River, Ferd. Muller (K).
 Maclean River, Beckler, F. Muller, 1860 (K).
 New England, G. Moore, recd. v. 1847, (K, UPS).
 East Australia, Enag era, i. 1823, J.J. Slatter (K).
 Toowoomba, Queensland, H. Longman, presented 1931, (K).
 Leaps Gully, 3 miles south east of Bungonia Caves (ca. south of Warulan) 24.1.1956, E.F. Constable (K).
 Mount Barney slopes, Macpherson Ranges, Queensland, growing on trees in creek bed, 210m., granite, E.F. Constable 2/357 (K).
 Nova Hollandia, Insul. Norfolk, Caley (K).

NEW ZEALAND

- Kopelma, 18.i.1902, herb. H.B. Mathews, 171 (MO).
 North Island, Omaha, herb. T. Kirk, 117 (B).

C. affinis Endl.NORFOLK ISLAND

- Insula Norfolk, Ferd. Bauer (K, UPS).
 Norfolk Island, 1805, Caley (BM, B, UPS).

LORD HOWE ISLAND

- Lord Howe Island, a few feet above high water mark, 1939, Capt. J.D. McCormish, 77A (K):

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