

## A bibliography of plant teratology - 'science of wonders'

Pierre Binggeli

Teratology - an old-fashioned botanical topic of interest that had its heyday up to WW2. This bibliography is far from being exhaustive and reflects the compiler's interest in *Acer pseudoplatanus* and fasciations. Nevertheless, it provides an array of bibliographical references often from rather obscure journals.

Albertsen, M.C., Curry, T.M., Palmer, R.G. & Lamotte, C.E. (1983) Genetics and comparative growth morphology of fasciation in soybeans (*Glycine max* (L.) Merr). Bot. Gaz. 144, 263-275.

Arisz, W.H. (1927) On the heredity of teratological characters. Double flowered mutants in tobacco. Genetica 9, 39-100.

Astié, M. (1963) Tératologie spontanée et expérimentale. Ann. Sci. Nat., Sér. 12, 3, 619-844.

Aulin, F.R. (1913) Bildningsafvikelser hos *Cytisus alpinus* och *Acer platanoides*. Svensk Bot. Tidskr. 7, 306-309.

Bairathi, M.K. & Nathwai, G.S. (1978) Morphology and anatomy of fasciated plants of Sannhemp. Flora 167, 147-157.

Barnola, J. (1914) Samares triples de la Blada. Bull. Inst. Catalana de Hist. Nat. 11, 119-121.

Behera, N.C. & Patnaik, S.N. (1982) Histology of mutants in *Amaranthus hypochondriacus*. Indian J. Genet. Plant Breed. 42, 5-10.

Beille, L. (1900) *Acer pseudoplatanus* portant des fleurs à trois carpelles. Act. Soc. Linn. Bordeaux 6, sér 5, cvi.

Bernier, G. (1986) The flowering process as an example of plastic development. In Jennigs, D.H. et al. (Eds) Plasticity in plants, pp. 257-286.

Bessey, C.E. (1914) Tricarpellary ash-fruits. Am. Bot. 20, 21.

Binggeli, P. (1990) Occurrence and causes of fasciation. Cecidology 5, 57-20.

Binggeli, P. (1992) Patterns of invasion of sycamore (*Acer pseudoplatanus* L.) in relation to species and ecosystem

attributes. DPhil Thesis, University of Ulster.

Binggeli, P. & Rushton, B.S. (1983) Schizocarpic variation in sycamore (*Acer pseudoplatanus* L.) in Ireland. Ir. Nat. J. 21, 120-125.

Binggeli, P. & Rushton, B.S. (1988) Schizocarpic fruits in sycamore (*Acer pseudoplatanus* L.). BSBI News 49, 17-19.

Binggeli, P. & Rushton, B.S. (1988) Schizocarpic fruits in sycamore (*Acer pseudoplatanus* L.). Cecidology 5, 2-3.

Blaringhem, L. (1905) Action des traumatismes sur la variation et l'hérédité. Soc. Biol. xx, 456-457.

Blaringhem, L. (1905) Action des traumatismes sur les plantes ligneuses. Soc. Biol. lvii, 945-947.

Blaringhem, L. (1907) Mutation et traumatismes. Alcan, Paris.

Blaringhem, L. (1914) Les transformations brusques des êtres vivants. Flammarion, Paris.

Blaringhem, L. (1919) A propos de l'hérédité des fascies de *Capsella viciifera*. C. r. Acad. Sci. Paris 169, 298-300.

Blaringhem, L. (1919) Les problèmes de l'hérédité expérimentale.

Blaringhem, L. (1911) La transformations brusques des êtres vivants, Flammarion, Paris.

Blaringhem, L. (1913) Le perfectionnement des plantes, ibid. Flammarion, Paris.

Bloch, R. (1965) Abnormal development in plants: a survey. In Rhuland, W. (Ed.) Encyclopedia of Plant Physiology, Vol. 15(2), 156-183. Springer Verlag, New York.

- Bolle, C. (1875) Ueber Früchte von *Acer pseudoplatanus* mit drei statt zwei Flügeln. Monatsschr. Ver. Bef. Gartenbau p 387.
- Bolle, C. (1878) Abnormitäten von *Acer rubrum* Ehr. und *Acer pseudoplatanus*. Sitzber. Ges. Naturf. Freunde, Berlin pp. 177-179.
- Bott, G. (1905) Abnormal foliage of sycamore seedling. Knowledge Sci. News, Lond. 2, 265-266.
- Bouché C.D. (1879) [Notices.] Notizen. Gartenflora 28, 61.
- Braun, A. (1871) Bemerkung über Doppelblätter. Sitzber. Ges. naturf. Freunde Berlin p. 6.
- Breuil, H. (1899-1900) Dédoublément des feuilles chez l'orme, l'ortie et le sycomore. Feuille jeun. Nat. 3 sér, 30, 59-64. (F, 0 ref)
- Compton, R.H. (1913) An anatomical study of syncotyly and schizocotyly. Ann. Bot. 27, 793-821.
- Cooke, P. & Robbins, J. (1995) Ascidia on *Philadelphus*: a new gall? Cecidology 10, 51-52.
- Cooper, J.I. (1979) Virus diseases of trees and shrubs. ITE, Cambridge.
- Cooper, J.I. (1993) Virus diseases of trees and shrubs. Chapman & Hall, London.
- Cotthem, W. van (1981) A preliminary note on the axillary buds of the cotyledons and epicotylar growth in *Acer pseudoplatanus* L. Biol. Jb. Dodonaea 49, 213-216.
- Cragg-Barber, M. (1997) An aberrant flora speculation (and the green iceberg hypothesis). BSBI News 74, 19.
- Darrow, G.M. & Borthwick, H.A. (1954) Fasciation in the strawberry. Inheritance and the relationship of photoperiodism. J. Hered. 45, 299-304.
- Delavaud, M.C. (1861) Lettre à M. Duchartre. Bull. Soc. bot. Fr. 8, 286-288.
- De Vries, H. (1899) Sur la culture des fasciations des especes annuelles et bisannuelles. Rev. gen. Bot. 11, 136-151.
- Deroin, T. (1992) Quelques inflorescences tératologiques de *Calystegia sepium* (L.) R.Br. (Convolvulacées) et leur signification morphologique. Bull. Soc. Bot. Centre-Ouest, NS 23, 29-34.
- Driss-Ecole, D. (1981) Fasciation from excised shoot apices in *Celosia cristata* (Amaranthaceae) cultivated in vitro. Can. J. Bot. 59, 1367-1373.
- Duchartre, P. (1848) Mémoire sur les embryons qui ont été décrit comme polycotyles. Ann. Sci. Nat. (Bot) Ser III 10, 207-237.
- Duffield, J.W. & Wheat, J.G. (1963) A common fasciation in Douglas fir. J. Hered. 54, 240+252.
- Dupuy, P. (1963) Contribution à l'étude de quelques problèmes de morphologie et de tératologie chez les angiospermes. Thèse, Poitiers.
- Dupuy, P. & Guédès, M. (1980) Teratological documents for use in the morphological study of angiosperms. Bull. Mus. Ntl. Hist. nat., 4 sér., 2 sect. B 83-144.
- Eenink, A.H. & Genetsen, F. (1980) Research on the inheritance of fasciation in lettuce (*Lactuca sativa*). Euphytica 29, 653-560.
- Eyster, W.H. & Burpee, D. (1936) Inheritance of doubleness in the flowers of the Nasturtium. J. Hered. 27, 51-60.
- Fambrini, M., Bonsignori, E., Rapparini, F., Cionini, G., Michelotti, V., Bertini, D., Baraldi, R. & Pugliesi, C. (2006) stem fasciated, a recessive mutation in sunflower (*Helianthus annuus*), alters plant morphology and auxin level. Ann. Bot. 98, 715-730.
- Ferre, Y. de (1979) Apport de l'étude des plantules dans la connaissance du Pin sylvestre. Bull. Soc. Bot. France, Actual. Bot. 126, 217-226.
- Focke, W.O. (1875) Ueber tricotylische Ahorn-Keimlinge. Sitzber. Bot. Ver. Prov. Brandenburg
- Fortier, E. (1909) Simples observations sur la fasciation des organes axiles. Bull. Soc. Amis Sci. nat. Rouen p 245-259.
- Gagnepain, M. (1894) Nouvelles notes tératologiques. Bull. Soc. Bot. Fr. 41, 650-611.
- Gagnepain, M. (1925) L'origine probable des variétés monophylles ou hétérophylles des feuilles multifoliolées. Bull. Soc. Bot. Fr. 72, 123-125.
- Gallo, L.A. (1985) Über genetisch und umweltbedingte Variation bei Aspen. 1. Keimung und Gewicht der Samen. Silvae Genet. 34, 171-181.
- Garavel, L. (1961) Anomalies florales chez les noyers. Rev. for. fr. 11, 733-735.
- Georgescu, C.C. (1927) Beiträge zur Kenntnis der Verbänderung. Bot. Abhandl. 11, 1-120.
- Gerard, W.R. (1880) Samaras of maple. Bull. Torrey bot. Club 7(5), 56.

- Godron, D.A. (1874) Nouveaux mélanges de tératologie végétale. Mém. Soc. Nation. Sci. nat. et math. de Cherbourg 18, 318-352.
- Gorter, C.J. (1949) The influence of 2,3,5-triiodobenzoic acid on the growing points of tomatoes. 1. Proc. Kon. Ned. Akad. Wetensch. Ser. B. 52, 1185-1193.
- Gorter, C.J. (1951) The influence of 2,3,5-triiodobenzoic acid on the growing points of tomatoes. 2. The initiation of ring fasciations. Proc. Kon. Ned. Akad. Wetensch. Ser. B. 54, 181-190.
- Gorter, C.J. (1965) Origin of fasciation. In Rhuland, W. (Ed.) Encyclopedia of Plant Physiology, Vol. 15(2), 330-351. Springer Verlag, New York.
- Groenendaal, J.M. van (1985) Teratology and metameric plant construction. New Phytol. 99, 171-178.
- Guédès, M. (1966) Stamen, carpel, and ovule. The teratological approach to their interpretation. Adv. Front. Pl. Sci. 14, 43-108.
- Guédès, M. & Dupuis, P. (1978) Teratological modifications and the meaning of flower parts. Vistas Pl. Sci.
- Gunckel, J.E. (1965) Modifications of plant growth and development induced by ionizing radiations. In Rhuland, W. (Ed.) Encyclopedia of Plant Physiology, Vol. 15(2), 364-375. Springer Verlag, New York.
- Gurney R (1947) Our trees and woodlands. The Medici Society, London.
- Haasis, F.W. (1963) Polycarpellate fruits in bifleaf maple. Leaflet. West. Bot. 10, 29.
- Haccius, E. (1953) Somatisch induzierte Veränderungen der Keimblattzahl bei *Eranthis hiemalis* durch Röntgenstrahlen. Die Naturwiss. 40 (20).
- Harrison, B.J. (1963) Factors affecting the frequency of tricotyly in *Antirrhinum majus*. Nature 201, 424.
- Heslop-Harrison, J. (1952) A reconsideration of plant teratology. Phytol. 4, 19-34.
- Hus, H. (1906) Fasciation in *Oxalis crenata* and experimental production of fasciations. Rep. Missouri bot. Gdn 17, 147-152.
- Jacobash, E. (1895) Ueber Fasciation. Allg. bot. Z. 5, 129-134.
- Jacobash, E. (1910) Fasciation und fission und deren Wirkungen am Spargel. Allg. bot. Z. 16, 189-191.
- Jeune, B. (1978) Sur le déterminisme de la forme de feuilles de dicotylédones. Adansonia 18, 83-94.
- Johansson, K. (1915) Nagra exempel pa fyllomorphi hos *Ulmus*, *Fraxinus* och *Acer*. Svensk Bot. Tidskr. 9, 241-247.
- Jonsson, G. (1974) Localisation nucléaire et cytoplasmique de particules d'allure virale chez des sujets fascié de fusain (*Euonymus japonica* Thunb. et *Euonymus japonica* Thunb. var. *microphylla* Jaeger). Rev. gen. Bot. 81, 135-150.
- Jussieu, A. de (1841) Fleurs monstrueuses d'une Erable. Ann. Sci., Paris 8, 4p.
- Karley, S.L.M. (1972) *Acer* - Unusual fruits. Watsonia 9, 43.
- Keifer, H.H. et al. (1982) An illustrated guide to plant abnormalities caused by Eriophyid mites in North America. Agric. Handb. No. 573. USDA Forest Service, Washington.
- Kennedy, D. (1987) Observations on abnormal shoot growth in *Betula pendula* Roth. Silvae Genet. 36, 144-148.
- Kienholz, R. (1932) Fasciation in red pine. Bot. Gaz. 94, 404-410.
- Klater, H. (Ed.) (1983/84) Issues and reviews in teratology, vol. 1&2. Plenum.
- Knox, A.D. (1908) The induction, development and heritability of fasciation. Publ. Carnegie Inst. (Wash.) No. 98, 3-21.
- Kr ljk, J., Seb nek, J. & Kljcov, S. (1979) Morphological atavisms and rhizogenesis in woody species. Prirodoved Pr. Ustavu Cesk. Akad. Ved. Brne 14(5), 1-28.
- Krause, K.E.H. (1880) Drei Cotyledonen. Archiv Vereins Freunde der Naturgeschichte in Mecklenburg 34, 236-237.
- Kubitzki, K. (1987) Origin and significance of trimerous flowers. Taxon 36, 21-28.
- Kubitzki, K., Sengbusch, P.V. & Poppendieck, H.H. (1991) Parallelism, its evolutionary origin and systematic significance. Aliso 13 (1).
- Kulkarni, D.K., Kumbhojkar, M.S. & Phatak, M.S. (1991) Fasciated inflorescence axis of *Cassia fistula* L. Biovigyanam 17, 51-54.
- Kumar, A. & Lal, J. (1984) Inflorescence aberration in three species of angiosperms. J. Econ. Tax. Bot. 5, 206-207.
- Lakon, G. (1916) Kleinere teratologische Mitteilungen, II. Z. Pflanzenkrankh. & Pflanzenschutz 26, 46-48.
- LaMotte, C.E., Curry, T.M., Palmer, R.G. & Albertsen, M.C. (1988) Developmental anatomy and morphology of

- fasciation in the soybean (*Glycine max*). Bot. Gaz. 149, 398-407.
- Latter, J. (1931) Schizocotyly and genetic variation in *Acer*. New Phytol. 30, 66-68.
- Leger, L.J. (1890(-89?)) Note sur les germinations anormales d'*Acer platanoides*. Bull. Soc. Normandie Sér 4, Tome 3, 199-225.
- Lloyd, F.E. (1902) Displacement of leaves. Torreyia 2, 173-174.
- Lohrmann (1927) Verbänderung on *Pinus silvestris* L. Mit. dtsh. Dendrol. Ges. 38, 65-66. + pl.23&24
- Mabberley, D.J. & Hay, A. (1994) Homoeosis, canalization, decanalization, 'characters' and angiosperm origins. Edinb. J. Bot. 51, 117-126.
- Magnus, P. (1876) Ueber Keimpflanzen von *Acer platanoides* mit verwachsenen Keimblättern. Sitzber. bot. Ver. Prov. Brandenburg p. 73.
- Marcet, E. (1969) Untersuchungen an schizocotylen Nachkommenschaften eines Bergahorns. (*Acer pseudoplatanus* L.). Beih. Zn. schweiz. Forstver. 46, 289-301.
- Martin-Sans, E. (1929) Fascies chez le *Fraxinus escelsior* L. Quelques remarques sur la fasciation. Bull. Soc. Bot. Fr. 76, 740-757.
- Marx, G.A. & Hagedorn, D.J. (1962) Fasciation in *Pisum*. J. Hered. 54, 240+252.
- Maters, M.T. (1869) Vegetable teratology. Ray Society, London.
- Meehan, T. (1876) Fasciated branches. Proc. Acad. Nat. Sci. Philadelphia, 154-155.
- Meehan, T. (1881) [Note.] Proc. Acad. nat. Sci. Phil. 1880, 353-354.
- Menninger, E.A. (1995) Fantastic trees. Timber Press, Portland.
- Meyer, V. (1966) Flower abnormalities. Bot. Rev. 32, 165-195.
- Meyer, V.G. (1967) Multiple carpel of cotton - a mutant regulator gene? J. Hered. 58, 218-219.
- Meyerowitz, E.M., Smyth, D.R. & Bowman, J.L. (1989) Abnormal flowers and pattern formation in floral development. Development 106, 209-217.
- Molliard, M. (1900) Cas de virescence et de fasciation d'origine parasitaire. Rev. gen. Bot. 12, 323-328.
- Moquin-Tandon, A. (1841) Eléments de tératologie végétale. Loss, Paris.
- Muncie, J.H. & Patel, M.K. (1930) Fasciation of sweet peas. Am. J. Bot. 17, 218-230.
- Musset, M. (1869) Note. Mem. Acad. Sci. Inscript. Belles-Lettres Toulouse 7e Ser. Tome 1, 359.
- Musset, M.C. (1874) Anomalies par hypergenèse dans divers verticelles de l'éclair sycomore, *Acer pseudoplatanus*. Mém. Acad. Sci. Inscript. Belles-Lettres Toulouse 7, 10-23.
- Napp-Zinn, K. (1959) Missbildungen in Pflanzenreich. Kosmos, Stuttgart.
- Natho, G. (1984) Androgyne Kätzchen bei *Betula pendula* Roth. Gleditschia 12, 77-81.
- Nemky, E. (1956) Néhány teratológias és rendes jelenség fás növényeken. [Some teratological and natural phenomena in woody plants.] Erdömérn Föisk Közl. (2), 3-19.
- Nestler, A. (1894) Untersuchungen über Fasciationen. Ost. bot. Zeitschr. 44, 369-374.
- Pagan, J. (1975) Veränderlichkeit der Merkmale von Früchten des Bergahorns (*Acer pseudoplatanus* L.). Zborn. ved. Prác lesn. Fak. vys. Sk. Lesn. Drev. Zvolene 17, 73-97.
- Pax, F. (1885) Monographie der Gattung. *Acer*. Bot. Jb. 6, 287-374.
- Penzig, O. (1884) Miscellanea teratologica. Memorie del R. Istituto Lombardo 15,
- Penzig, O. (1921) Pflanzen-Teratologie, I-II. Borntraeger, Berlin.
- Peyritsch, J. (1888) Über künstliche Erzeugung von gefüllten Blüthen und andere Bildungsabweichungen. S. B. kais. Akad. Wiss. Wien, Math. nat. Kl. 97, 597-605.
- Pillai, A. & Goyal, S.C. (1979) Anatomy of normal and teratological seedlings of *Carthamus tinctorius*. Phytomorphology xx, 38-46.
- Plantefol, L. (1976) Sur une remarquable fasciation de *Forsythia suspensa*. C. r. Acad. Sci. Paris 282D, 181-185. 283D, 1637; 284D, 117-122+2247-2251.
- Plantefol, L. (1980) A fasciated twig of *Euonymus japonica* which is particularly remarkable. C. r. Hebd. See Acad. Sci. Ser. III Sci. Nat. 291, 1005-1010.
- Plantefol, L. (1982) Etude d'une tige fasciée de betterave. C. r. Acad. Sci. Ser. III Sci. Vie 294, 985-989.

- Popov, P.P. (1982) [Variation in the number of cotyledons in *Picea abies* and *P. obovata*.] Lesovedenie 5, 18-22. From For. Abstr. 45, 2803.
- Prantl (1892) Exemplare von *Acer pseudoplatanus* mit abnormen Früchten. Jahresber. Schles. Ges. vaterl. Cultur 1891 Naturwiss. Abth. 69, 129.
- Rance, S.J., Cameron, D.M. & Williams, E.R. (1982) Correction of crown disorders of *Pinus caribaea* var. *hondurensis* by application of zinc. Pl. Soil 65, 293-296.
- Reed, T. (1912) Some points in the morphology and physiology of fasciated seedlings. Ann. Bot. 26, 389-402.
- Reinholz, E. (1954) Weitere Untersuchungen zur Induktion von Keimblattveränderungen durch Röntgenstrahlen. Experientia 10,
- Rösler, D. & Rösler, R. (1998) Neuigkeiten zur teratologie der Eibe (*Taxus baccata* L.). J. for. Suisse 149, 405-410.
- Rudall, P.J. & Bateman, R.M. (2003) Evolutionary change in flowers and inflorescences: evidence from naturally occurring terata. Trends Pl. Sci. 8, 76-82.
- Saunders, E.R. (1911) Further experiments on the inheritance of "doubleness" and other characters in stocks. J. Genet. 1, 303-376.
- Saunders, E.R. (1916) Studies in the inheritance of doubleness in flowers. 1. *Petunia*. J. Genet. 5, 57-69.
- Saunders, E.R. (1917) Studies in the inheritance of doubleness in flowers. 1. *Meconopsis*, *Althaea* and *Dianthus*. J. Genet. 6, 165-184.
- Saxena, S.K. & Tripathi, J.P. (1990) Teratological observations in inflorescence axis of *Cassia fistula* Linn. Ind. Forester 116, 245-247.
- Schlehdal, F.Z. (1855) Abnorme Bildung. Bot. Zeit. 44, 769-771.
- Schoute, J.C. (1932) On pleiomery and meiomery in the flower. Rec. Trav. bot. neerl. 29, 164-226.
- Schoute, J.C. (1936) Fasciation and dichotomy. Rec. trav. bot neerl. 33, 649-669.
- Schuch, J. (1881) Pflanzen - Abnormitäten. Az orsz Középt. Fan regylet Közlönye 14, 331.
- Schwarz, E. (1937) Merkwürdige Wurzelbildung (*Acer pseudoplatanus*). Mitt. Dtsch. dendrol. Ges. 49, 187-188.
- Seehann, G., Schultz-Dewitz, G. & Wenk, M. (1994) Abnorme Holzstrukturen. Teil 3: Verbänderungen an Spitzentrieben von Coniferen. Drevarsky Vyskum 39, 9-20.
- Seehaus, P. (1912) Riesige Ahorne in der Schweiz. Mitt. Dtsch. Dendrol. Ges. 21, 342-345.
- Seitz, F.W. (1953) Über anormale Zwitterblüten eines Klones der Gattung *Populus* Section Leuce. Z. Forstgenet. 2, 70-90.
- Seitz, F.W. (1954) Über das Auftreten von Triploiden nach Selbstung anormaler Zwitterblüten einer Graupapelform. Z. Forstgenet. 3, 1-6.
- Sinclair, W.A., Lyon, H.H. & Johnson, W.T. (1987) Diseases of trees and shrubs. Cornell UP, Ithaca.
- Singh, Z. & Dhillon, B.S. (1990) Comparative developmental morphology of normal and malformed floral organs of mango (*Mangifera indica* L.). Trop. Agric. 67, 143-148.
- Smith, C.O. (1932) Double flowers and multiple fruits of the Japanese apricot. J. Hered. 23, 411-414.
- Solla, R.F. (1896) Alarni saggi teratologici della Flora di Vallombrosa. Bull. Soc. Bot. Ital. xx, 261-269.
- Stenzel, G. (1890) Fruchtformen des Bergahorns. Jahresber. Schles. Ges. Vaterländ. Cult. 67, 150-151.
- Stephenson, E. (1988) Multi-seeded sycamore fruits. BSBI News 48, 25.
- Straub, J. (1948) Zur Genetik der Trikotylie. Z. Induktive Abstammungs Vererbungslehre 82, 331-338.
- Straub, J. (1960) Entwicklungsphysiologische Untersuchungen über die Zwei- und Dreizähligkeit der Wirtel von *Antirrhinum majus*. Z. Bot. 48, 219-233.
- Stubbe, H. (1959) Considerations of the genetical and evolutionary aspects of mutants of *Hordeum*, *Glycine*, *Lycopersicon* and *Antirrhinum*. Cold Spring Harb. Symp. Quant. Biol. 24, 31-40.
- Stubbe, H. (1963) Über die Stabilisierung des sich variabel manifestierenden Merkmals "Polycotylie" von *Antirrhinum majus* L. Kulturpflanze 11, 250-263.
- Stubbe, H. (1966) Genetik und Zytologie von *Antirrhinum* L. sect. *Antirrhinum*. Fisher, Jena.
- Takhtajan, A.L. (1954) [Quelques problèmes de la morphologie évolutive des angiospermes.] Essais de Botanique 2, 763-793.
- Tang, Y. & Knap, H.T. (1998) Fasciation mutation enhances meristematic activity and alters pattern formation in soybean. Int. J. Pl. Sci. 149, 275-282.
- Tang, Y. & Skorupska, H.T. (1997) Expression of fasciation mutation in apical meristems of soybean, *Glycine max* (Leguminosae). Am. J. Bot. 84, 328-335.

- Tanner, H. (1930) Über Verbänderungen (Fasciationen) an unseren Waldbaumen. Jahrb. St. Gall. Naturw. Ges. 65, 47-70.
- Taylor, W.R. (1920) A morphological and cytological study of reproduction in the genus *Acer*. Contrib. bot. Lab. Morris Lab. Univ. Pa 5, 111-138.
- Thiselton-Dyer, W.T. (1902) Morphological notes. 8. On polycotyledony. Ann. Bot. 16, 553-558.
- Trelease, W. (1880) Teratological notes. Bull. Torrey bot. Club 7(9), 97-98.
- Tucovic, A. & Nikolic, D. (1965) Uticaj zracenja semena nekih liscara termalnim neutronima na promene fenotipskih osobina i razvoj jednogodisnjih sadnica. Sumarstvo 18, 211-225.
- Turrill, W.B. (1953) British plant life. Collins, London.
- Vries, H. de (1894) Über halbe Galton-Kurven als Zeichnen diskontinuierlichen Variation. Ber. dt. bot. Ges. 12, 197-207.
- Vries, H. de (1895) Les demi-courbes Galtoniennes comme indice de variation discontinue. Arch. néerl. 28, 442-457.
- Vries, H. de (1902) Über trikotyle Rassen. Ber. dtsch. bot. Ges. 20, 45- .
- Vuillemin, P. (1926) Les anomalies végétales, leur cause biologique. Les Presses Universitaires de France, Paris.
- Wardlaw, C.W. (1965) The organization of the shoot apex. In Ruhland, W. (Ed.) Encyclopedia of plant physiology, Vol. 15(I), 966-1076. Springer Verlag, New York.
- Wardlaw, C.W. (1968) Essays on form in plants. Manchester University Press, Manchester.
- Weijer, J. (1952) Studies on *Impatiens balsamina* L. 2. The inheritance of flower doubleness and its dependence on gibberelic acid, indoleacetic acid and related compounds. Genetica 30, 70-107.
- White, O.E. (1945) The biology of fasciation and its relation to abnormal growth. J. Hered. 36, 11-22.
- White, O.E. (1948) Fasciation. Bot. Rev. 14, 319-358.
- Wigand, A. (1887) Beiträge zur Pflanzen-Teratologie. Bot. Hefte 2,
- Wood, M.N. (1934) Pollination and blooming of the Persian walnut in California. USDA techn. Bull. 387, 1-56.
- Worsdell, W.C. (1908) Abnormal seedlings. Gard. Chron. 43(1122), 414-415.
- Worsdell, W.C. (1915-16) The principles of plant teratology. Vol. I & II. Ray Society, London.
- Zeist, W. van & Koevoets, T.C.M. (1951) *Kalanchoë blossfeldiana* treated with 2,3,5-triiodobenzoic acid (Tiba). Proc. Kon. Ned. Akad. Wetensch. Ser. B. 54C, 126-131.