

- Emsweller, S. L. and M. L. Ruttle. 1941. Induced polyploidy in floriculture. Symposium on theoretical and practical aspects of polyploidy in crop plants. Amer. Nat. 75:310-328.
- Engledow, F. L. 1920. The inheritance of glume-length and grain-length in a wheat cross. Jour. Genetics 10:109-134.
1923. The inheritance of glume-length in a wheat cross. Jour. Genetics 13:79-100.
- Enns, H. and E. N. Larter. 1960. Note on the inheritance of ds; a gene governing meiotic chromosome behavior in barley. Canad. Jour. Plt. Science 40:570-571.
- Ephrussi, B. 1934. The absence of autonomy in the development of the effects of certain deficiencies in *Drosophila melanogaster*. Proc. Nat. Acad. Sci. Wash. 20:420-422.
- Epling, C. and Wm. R. Lower. 1957. Changes in an inversion system during a hundred generations. Evolution 11:248-256.
_____, D. F. Mitchell, and R. H. T. Mattoni. 1957. The relation of an inversion system to recombination in wild populations. Evolution 11:225-247.
- Essad, S. 1957. La polyploidie et ses aspects évolutifs en relation avec l'Amélioration des plantes. Annal. Inst. Nat. Recherche Agron. Ser. B. Annal. de l'Amelior. Plantes 7:199-226.
- Fagerlind, F. 1940. Sind die Canina-Rosen agamospermische Bastarde Svensk. Bot. Tidskr. 34:335-354.
1940a. Die Terminologie der Apomixis-prozesse. Hereditas 26:1-50.
1960. The mechanism of chiasma formation and crossing over. Acta Horti Bergiani 19:249-385.
- Fatalizade, F. A. 1939. Acenaphthene-induced polyploidy in Nicotiana. Akademii Nauk (Doklady) N.S., Moscow, SSSR 22:180-183.
- Federley, H. 1931. Chromosomenanalyse der reziproken Bastarde zwischen Pygaera pigra und P. curtula sowie ihrer Rückkreuzungsbastarde. Zeits. Zellforsch. u. mikr. Anatomie 12:772-816.
- Feltz, H. 1953. Untersuchungen an diploiden und polyploiden Zuckerrüben. Zeits. f. Pflanzenzucht. 32:275-300.
- Fernald, M. L. 1950. Gray's manual of Botany. 8th ed. Amer. Book Co. N. Y.
- Fischer, H. E. 1941. Causes of sterility in autotetraploid maize. Genetics 26:151 (abstr.).
- Fisher, R. A. 1930. The genetical theory of natural selection. Clarendon Press. Oxford.
1936. The use of multiple measurements in taxonomic problems. Ann. Eugenics 7:179-188.
1947. The theory of linkage in polysomic inheritance. Philosoph. Trans. Roy. Soc. London, Ser. B 233:55-87.
1948. The linkage problem in a tetrasomic wild plant, Lythrum salicaria. Proc. 8th Internat. Cong. of Genetics (1948):225-233.
and V. C. Fyfe. 1955. Double reduction at the Rosy, or Pink, locus in Lythrum salicaria. Nature 176:1176.
and K. Mather. 1943. The inheritance of style length in Lythrum salicaria. Ann. Eugenics 12:1-23.
- Folsome, C. E. 1960. Effects of 5-bromodesoxyuridine upon gene recombination in Escherichia coli K-12. Genetics 45:1111-1122.
- Ford, C. E. 1960. Human cytogenetics: its present place and future possibilities. Amer. Jour. of Human Genetics 12:104-117.
- Ford, C. E., K. W. Jones, O. J. Miller, U. Mittwoch, L. S. Penrose, M. Ridler, and A. Shapiro. 1959. The chromosomes in a patient showing both mongolism and the Klinefelter syndrome. The Lancet 276:709-710.
- Foster, A. E., J. G. Ross, and C. J. Franzke. 1961. Estimates of the number of mutated genes in a colchicine-induced mutant of sorghum. Crop Science 1:272-276.

- Frandsen, K. J. 1939. Colchicininduzierte Polyploidie bei Beta vulgaris L. Der. Züchter 11:17-19.
- Frankel, O. H. 1937. The nucleolar cycle in some species of Fritillaria. Cytologia 8:37-47.
- Franzke, and J. G. Ross. 1952. Colchicine induced variants in Sorghum. Jour. Hered. 43:107-115.
- Franzke, C. J., and J. G. Ross. 1957. A lineal series of mutants induced by colchicine treatment. Jour. Hered. 48:46-50.
- Franzke, C. G., M. E. Sanders and J. G. Ross. 1960. Influence of light from an infrared bulb on the mutagenic effect of colchicine on Sorghum. Nature 188:242-243.
- Fraser, A. C., and M. Gordon. 1929. The genetics of Platypoecilus. II. The linkage of two sex-linked characters. Genetics 14:160-179.
- Freeman, W. H. 1946. The inheritance of husk length, ear length and days to silking in maize. Abstracts Annual Meeting, Amer. Soc. Agron. :7-8.
- Freese, E. 1957. The correlation effect for a histidine locus of Neurospora crassa. Genetics 42:671-684.
- Frizzi, G. 1941. Mutazioni e mappa cromosomica in Drosophila subobscura. Società italiana di Biologia Sperimentale Boll. 16:101-102.
- Frost, H. B. 1927. Chromosome mutant types in stocks. I. Characters due to extra chromosomes. Jour. Hered. 18:475-486.
1931. Trisomic inheritance of doubleness, complicated by lethals, in Matthiola incana. Proc. Nat. Acad. Sci. Wash. 17:499-509.
1948. Seed production:development of gametes and embryos. (Chapt. 8, vol. 1. 767-815). The Citrus Industry (ed. by H. J. Webber and L. D. Batchelor). Vol. 1: History, Botany, and Breeding. Univ. of California Press.
- Fyfe, J. L. 1939. The action and use of colchicine in the production of polyploid plants. Imperial Bur. Plant Breeding and Genetics Tech. Comm. No. 6.
- Gabe, D. R. 1939. Inheritance of sex in Mercurialis annua in relation to cytoplasmatic theory of sex-inheritance. Akademiia Nauk (Doklady) Moscow, SSSR. 23:478-481.
- Gableman, W. H. 1949. Reproduction and distribution of the cytoplasmic factor for male sterility in maize. Proc. Nat. Acad. Sci. Wash. 35:634-640.
1952. Genetic control of the cytoplasmic factor for male-sterility in maize. Genetics 37:582-583(abstr.).
- Gager, C. S. 1902. The development of the pollinium and sperm cells in Asclepias cornuti Decaisne. Annals Bot. 16:123-148.
- Gaines, E. F. and H. C. Aase. 1926. A haploid wheat plant. Amer. Jour. Bot. 13:373-385.
- Galan, F. 1951. Analyse génétique de la monoecie et de la dioecie zygotiques et de leur différence dans Ecballium elaterium. Acta, Salmanticensis, Ciencias:Secc. Biol. 1:7-15.
1953. Analyse génétique de la monoecie et de la dioecie zygotiques et de leur différence dans Ecballium elaterium. Proc. 7th Internat. Bot. Congr. Stockholm (1950):340-341.
- Garber, E. D. 1944. A cytological study of the genus Sorghum: subsections Para-sorghum and Eu-sorghum. Amer. Nat. 78:89-94.
1948. A reciprocal translocation in Sorghum versicolor Anderss. Amer. Jour. Bot. 35:295-297.
- and T. S. Dhillon. 1961. A cytogenetic study of reciprocal translocations induced by ionizing radiation in Collinsia heterophylla. Genetics 46:867 (abstr.).
- and T. S. Dhillon. 1962. The genus Collinsia. XVII. A cytogenetic study of radiation-induced reciprocal translocations in C. heterophylla. Genetics 47:461-467.

- Gates, C. E. 1957. An analysis of Fisher's theory of linkage in polysomic inheritance. (mimeographed). Minnesota Agr. Exp. Station.
- Gates, R. R. 1908. A study of reduction in Oenothera rubrinervis. Bot. Gaz. 46:1-34.
1909. The stature and chromosomes of Oenothera gigas, deVries. Arch. f. Zellforsch. 3:525-552.
- Gaul, H. 1954. Asynapsis and ihre Bedeutung für die Genomanalyse. Zeits. i. Abst. u. Vererb. 86:69-101.
- Gavaudan, P., and N. Gavaudan. 1940. Action sur la caryocinese et la cytodierese des vegetaux, des isomeres de l'apiol de persil. Compt. Rend. Acad. Sci. Paris 210:576-578.
- Geerts, J. M. 1909. Beiträge zur Kenntnis der Cytologie und partiellen Sterilität von Oenothera Lamarckiana. Rec. Trav. Bot. Néerland 5:93-
- Geiringer, H. 1949. Chromatid segregation of tetraploids and hexaploids. Genetics 34:665-684.
- Gerassimova, H. 1936. Experimental erhaltene haploide Pflanze von Crepis tectorum. L. Planta 25:696-702.
1940. A translocation between the B- and D- chromosomes and the trisomic effect of the B- chromosome in Crepis tectorum L. Akademii Nauk SSSR Izvestia. Ser. Biolog. 1:31-44. (Eng. summary).
- Gerrish, E. E. 1956. Studies of the monoploid method of producing homozygous diploids in Zea mays. Ph.D. Thesis, University of Minnesota. Minneapolis. (Diss. Abs. 16:2285-2286).
- Gershenson, S. 1928. A new sex-ratio abnormality in Drosophila obscura. Genetics 13:488-507.
1935. The mechanism of non-disjunction in the C1 B stock of Drosophila melanogaster. Jour. Genetics 30:115-125.
- Gerstel, D. U. 1943. Inheritance in Nicotiana Tabacum. XVII. Cytogenetical analysis of glutinosa-type resistance to mosaic disease. Genetics 28:533-536.
1945. Inheritance in Nicotiana Tabacum. XX. The addition of Nicotiana glutinosa chromosomes to tobacco. Jour. Hered. 36:197-206.
- 1945a. Inheritance in Nicotiana Tabacum. XIX. Identification of the Tabacum chromosome replaced by one from N. glutinosa in mosaic-resistant Holmes Samsoun tobacco. Genetics 30:448-454.
1948. Transfer of the mosaic-resistance factor between H chromosomes of Nicotiana glutinosa and N. Tabacum. Jour. Agr. Res. 76:219-223.
- , B. L. Hammond and C. Kidd. 1953. An additional note on the inheritance of apomixis in Guayule. Bot. Gaz. 115:89-93.
- and Wm. Mishanec. 1950. On the inheritance of apomixis in Parthenium argentatum. Bot. Gaz. 112:96-106.
- Giles, N. H. 1956. Forward and back mutation at specific loci in Neurospora. Brookhaven Symposia in Biology (1955) 8:103-125.
- Gilles, A. and L. F. Randolph. Reduction of quadrivalent frequency in autotetraploid maize during a period of 10 years. Amer. Jour. Bot. 38:12-17.
- Glass, H. B. 1933. A study of dominant mosaic eye-colour mutants in Drosophila melanogaster. II. Tests involving crossing-over and non-disjunction. Jour. Genetics 28:69-112.
1935. A study of factors influencing chromosomal segregation in translocations of Drosophila melanogaster. Missouri Agr. Exp. Sta. Res. Bull. 231:1-28.
- Glass, B. 1956. Differences in mutability during different stages of gametogenesis in Drosophila. Brookhaven Symp. in Biology (1955) 8:148-170.
- Goldschmidt, R. B. 1920. Untersuchungen über Inter-sexualität. I. Zeits. i. Abst. u. Vererb. 23:1-199.
- Goldschmidt, R. 1931. Analysis of intersexuality in the gipsy-moth. Quart. Rev. Biol. 6:125-142.

- Goldschmidt, R. 1934. Lymantria. *Bibliogr. Genetica* 11:1-186.
 1938. The time-law of intersexuality. *Genetica* 20:1-50.
- Goldschmidt, R. B. 1955. *Theoretical Genetics*. Univ. of Calif. Press, Berkeley.
- Goodspeed, T. H. and P. Avery. 1939. Trisomic and other types in *Nicotiana sylvestris*. *Jour. Genetics* 38:381-458.
 and R. E. Clausen. 1927. Interspecific hybridization in *Nicotiana* VI. *Cytological features of sylvestris-Tabacum hybrids*. Univ. of Calif. Pub. Botany 11:127-140.
 and R. E. Clausen. 1928. Interspecific hybridization in *Nicotiana* VIII. *The sylvestris-tomentosa-Tabacum hybrid triangle and its bearing on the origin of Tabacum*. Univ. of Calif. Pub. Botany 11:245-256.
- Gopinath, D. M. and C. R. Burnham. 1956. A cytogenetic study in maize of deficiency-duplication produced by crossing interchanges involving the same chromosomes. *Genetics* 41:382-395.
- Gordon, M. 1946. Interchanging genetic mechanisms for sex determination in fishes under domestication. *Jour. Hered.* 37:307-320.
 1947. Genetics of *Platypoecilus maculatus*. IV. The sex determining mechanism in two wild populations of the Mexican platyfish. *Genetics* 32:8-17.
- Gordon, W., and J. McKechnie. 1946. Autopoloidy induced in *Penicillium notatum* by colchicine. *Anales Farm. Bioquim. Buenos Aires* 17:12-17.
- Gosselin, A. 1940. Action, sur la mitose des Végétaux, de deux alcaloïdes puriques. *Compt. Rend. Acad. Sci. Paris* 210:544-546.
- Gottfried, C. M. and W. F. Hollander. 1946. "Ersatz auto-sexing" in pigeons. *Jour. Hered.* 37:338-339.
- Gottschalk, W. 1954. Die Chromosomenstruktur der Solanaceen unter Berücksichtigung phylogenetischer Fragestellungen. *Chromosoma* 6:539-626.
 1958 Untersuchungen zum Problem der Herabregulierung der Chromosomenzahl in experimentell erzeugten polyploiden Pflanzen. *Zeits. i. Abst. u. Vererb.* 89:52-79.
 1958a. Über Abregulierungsvorgänge bei künstlich hergestellten hochpolyploiden Pflanzen. *Zeits. Vererb.* 89:204-215.
 1959. Die Bildung von Keimzellen mit euploiden Chromosomenzahlen aus triploiden und aneuploiden Pollenmutterzellen abregulierender polyploider Pflanzen. *Zeits. Vererb.* 90:198-214.
- Gowen, J. W. 1919. A biometrical study of crossing over. On the mechanism of crossing over in the third chromosome of *Drosophila melanogaster*. *Genetics* 4:205-250.
 1933. Meiosis as a genetic character in *Drosophila melanogaster*. *Jour. Exp. Zool.* 65:83-106.
 1961. Genetic and cytologic foundations for sex. Chapter 1, p. 3-76, Vol. 1 of *Sex and Internal Secretions*, 3rd ed. (Editor W. C. Young). The Williams and Wilkins Co., Baltimore.
- Graubard, M. A. 1932. Inversion in *Drosophila melanogaster*. *Genetics* 17:81-105.
- Gray, A. P. 1958. *Mammalian Hybrids*. Tech. Comm. #10, Commonwealth Bur. Animal Breeding and Genetics, Edinburgh.
 1958a. Bird hybrids. Tech. Comm. #13, Commonwealth Bur. Animal Breeding and Genetics, Edinburgh.
- Green, G. J., D. R. Knott, I. A. Watson, and A. T. Pugsley. 1960. Seedling reactions to stem rust of lines of marquis wheat with substituted genes for rust resistance. *Canad. Jour. Plt. Sci.* 40:524-538.
- Green, M. M. 1959. Spatial and functional properties of pseudo-alleles at the white locus in *Drosophila melanogaster*. *Heredity* 13:303-315.
 1959a. Non-homologous pairing and crossing over in *Drosophila melanogaster*. *Genetics* 44:1243-1256.
 and K. C. Green. 1949. Crossing over between alleles at the lozenge locus in *Drosophila melanogaster*. *Proc. Nat. Acad. Sci. Wash.* 35:586-591.

- Greenleaf, W. H. 1938. Induction of polyploidy in *Nicotiana* by hetero-auxin treatment. *Jour. Hered.* 29:451-464.
- _____. 1941. Sterile and fertile amphidiploids: Their possible relation to the origin of *Nicotiana tabacum*. *Genetics* 26:301-324.
- Gregoire, V. 1931. Euchromocentres et chromosomes dans les végétaux. *Acad. Roy. Belgium Bull. classe de Sci.* 17:1435-1448.
- Gregory, R. P. 1914. On the genetics of tetraploid plants in *Primula sinensis*. *Proc. Roy. Soc. London Ser. B.* 87:484-492.
- Grell, R. H. 1962. A new hypothesis on the nature and sequence of meiotic events in the female of *Drosophila melanogaster*. *Proc. Nat. Acad. Sci.* 48:165-172.
- Griffiths, D. J. and P. T. Thomas. 1953. Genotypic control of chromosome loss in *Avena*. *Proc. 9th Internat. Genetics Cong.* II: 1172-1175.
- Grüneberg, H. A. 1935. A new inversion of the X-chromosome in *Drosophila melanogaster*. *Jour. Genetics* 31:163-184.
- Gunthardt, H., L. Smith, M. E. Haferkamp and R. A. Nilan. 1953. Studies on aged seeds II. Relation of age of seeds to cytogenetic effects. *Agron. Jour.* 45:438-441.
- Gustafsson, Å. 1946. Apomixis in higher plants. I. The mechanism of apomixis. *Lunds Univ. Årsskr. N.F. Avd.* 2, 42(3):1-66.
- _____. 1947. Apomixis in higher plants. II. The causal aspect of apomixis. *Lunds Univ. Årsskr. N.F. Avd.* 2, 43(2):71-178.
- _____. 1947a. Apomixis in higher plants III. Biotype and species formation. *Lunds Univ. Årsskr. N.F. Avd.* 2, 43(12):183-370.
- Hagberg, A. 1958. Cytogenetik einiger Gerstenmutanten. *Der Züchter* 28:32-36.
- Hagberg, A. and J. H. Tjio. 1950. Cytological localization of the translocation point for the barley mutant *erectoides* 7. *Hereditas* 36:487-491.
- _____. and J. H. Tjio. 1952. Cytological studies on some homozygous translocations in barley. *Anales Estac. Exp. Aula Dei* 2:215-223.
- Hagen, C. Wm. 1950. A contribution to the cytogenetics of the genus *Oenothera* with special reference to certain forms from South America. *Indiana Univ. Publ. Sci. Series #16:*305-348.
- Häggqvist, G. and A. Bane. 1950. Studies in triploid rabbits produced by colchicine. *Hereditas* 36:329-334.
- Hagiwara, T. and H. Kusamitu. 1940. Distinction of males and females in asparagus by using a solution of potassium chloride. *Jap. Jour. Bot.* 10:(38). Abstr.
- Hair, J. B. 1956. Subsexual reproduction in *Agropyron*. *Heredity* 10:129-160.
- Håkansson, A. 1928. Die Reduktionsteilung in den Samenanlagen einiger Oenotheren. *Hereditas* 11:129-181.
- _____. 1929. Chromosomenringe in *Pisum* und ihre mutmassliche genetische Bedeutung. *Hereditas* 12:1-10.
- _____. 1931. Chromosomenverkettung bei *Godetia* und *Clarkia*. *Deut. Bot. Ges. Berlin* 49:228-234.
- _____. 1942. Zytologische Studien an Rassen und Rassenbastarden von *Godetia whitneyi* und verwandten Arten. *Lunds Univ. Årsskr. N.F. Avd.* 2, 38:1-69.
- _____. 1943. Meiosis in a hybrid with one set of large and one set of small chromosomes. *Hereditas* 29:461-474.
- _____. 1943a. Meiosis in a nullisomic and in an asyndetic *Godetia whitneyi*. *Hereditas* 29:179-190.
- _____. 1946. Meiosis in hybrid nullisomics and certain other forms of *Godetia whitneyi*. *Hereditas* 32:495-513.
- _____. 1947. Contributions to a cytological analysis of the species differences of *Godetia amoena* and *G. whitneyi*. *Hereditas* 33:235-260.
- _____. 1948. Behaviour of accessory rye chromosomes in the embryo-sac. *Hereditas* 34:35-59.
- _____. and A. Levan. 1942. Nucleolar conditions in *Pisum*. *Hereditas* 28:436-440.

- Haldane, J. B. S. 1930. The theoretical genetics of autopolyploids. *Jour. Genetics* 22:359-372.
- Hammarlund, C. 1923. Über einen Fall von Koppelung und freie Kombination bei Erbsen. *Hereditas* 4:235-238.
- _____. 1928. Zweite Mitteilung über einen Fall von Koppelung und freier Koppelung und freier Kombination bei Erbsen. *Hereditas* 10:303-327.
- Hanson, W. D. 1952. An interpretation of the observed amount of recombination in interchange heterozygotes in barley. *Genetics* 37:90-100.
- Hanson, W. D. and H. H. Kramer. 1949. The genetic analysis of two chromosome interchanges in barley from F_2 data. *Genetics* 34:687-700.
- _____. and H. H. Kramer. 1950. The determination of linkage intensities from F_2 and F_3 genetic data involving chromosomal interchanges in barley. *Genetics* 35:559-569.
- Harland, S. C. 1933. The genetical conception of the species. *Tropical Agr.* 11:51-53.
- _____. 1935. The genetics of cotton. Part XIII. A third series of experiments with the crinkled dwarf mutant of *G. barbadense* L. The cross *barbadense* crinkled x *hirsutum* crinkled. *Jour. Genetics* 31:21-26.
- _____. 1936. The genetical conception of the species. *Cambridge Biol. Rev.* 11:83-112.
- _____. 1955. The use of haploids in cotton breeding. *Indian Jour. Genetics and Plt. Breeding* 15:15-17.
- Harpstead, D., J. G. Ross and C. J. Franzke. 1954. The nature of chromatin changes of colchicine-induced variants in sorghum. *Jour. Hered.* 45:255-258.
- Harte, C. 1953. Untersuchungen über die Variabilität der Chiasmenbildung bei Oenothera-Bastarden. I. Die Häufigkeit der Endchiasmen bei Formen mit einem Vierring. *Chromosoma* 6:91-114.
- _____. 1954. II. Die Verteilung der Endchiasmen auf Ring-und Bivalentchromosomen in Formen mit einem Vierring. *Chromosoma* 6:237-276.
- _____. 1954a. Die Verteilung der Endchiasmen auf Ring-und Bivalentchromosomen bei Oenothera *albicans*. *stringens* *Chromosoma* 6:301-313.
- Hayes, H. K., J. H. Parker and C. Kurtzweil. 1920. Genetics of rust resistance in crosses of varieties of *Triticum vulgare* with varieties of *T. durum* and *T. dicoccum*. *Jour. Agr. Res.* 19:523-542.
- Hays, F. A. 1945. The primary sex ratio in domestic chickens. *Amer. Nat.* 79:184-186.
- Heilborn, O. 1936. The mechanics of so-called secondary association between chromosomes. *Hereditas* 22:167-188.
- Heilborn, O. 1937. Notes on chromosome association. *Cytologia, Fujii Jub.* Vol. 9-13.
- Heilbronn, A. and M. Basarman. 1942. Über die F_2 der *bryonia*-bastarde und ihre Bedeutung für das Problem der Geschlechtsrealisation. *Rev. Fac. Sci. Univ. Istanbul Ser. B* 7:138-144.
- _____. 1953. Über die Rolle des Plasmas bei der Geschlechtsbestimmung der Bryonien. (*Rev. Fac. Sci. Univ. Istanbul*) *Ser. B* 18:205-207. (*Biol. Abs.* 29:2629, 1955).
- Heitz, E. 1931. Nukleolen und Chromosomen in der Gattung *Vicia*. *Planta* 15:495-505.
- _____. 1933. Die somatische Heteropyknose bei *Drosophila melanogaster* und ihre genetische Bedeutung. *Zeit. Zellforsch u. Mikr. Anat.* 20:237-287.
- Hertsch, W. 1951. Beobachtungen an polyploider *Vicia villosa*. *Zeits. f. Pflanzenzucht.* 30:210-217.
- Hertwig, P. 1941. Vererbbarer Semisterilität bei Mäusen nach Röntgenbestrahlung, verursacht durch reziproke Chromosomentranslokationen. *Zeits. i. Abst. u. Vererb.* 79:1-27.
- Hill, H. D. and W. M. Myers. 1944. Isolation of diploid and tetraploid clones from mixoploid plants. *Jour. Hered.* 35:359-361.
- Hinton, T. 1942. A comparative study of certain hetero-chromatic regions in the mitotic and salivary gland chromosomes of *Drosophila melanogaster*. *Genetics* 27:119-127.

- Hinton, T. 1946. The structure of the bands of salivary gland chromosomes. *Jour. Hered.* 37:99-102.
- _____. 1946a. The physical forces involved in somatic pairing in the Diptera. *Jour. Exp. Zool.* 102:237-251.
- Hiorth, G. 1947. Zur Genetik der Artbastardes *Godetia amoena* x *G. Whitneyi*. *Der Züchter* 17/18:109-121.
- _____. 1948. Über das Wesen der Monosomen und der disomen Anordnung 3-kette + Univalent bei *Godetia Whitneyi*. *Zeits. i. Abst. u. Vererb.* 82:1-11, 230-275.
- _____. 1948a. Über Hemmungssysteme bei *Godetia Whitneyi*. *Zeits. i. Abst. u. Vererb.* 82:12-63, 276-330.
- Hoar, C. S. 1931. Meiosis in *Hypericum punctatum*. *Bot. Gaz.* 92:396-406.
- Hoffmann, A. 1954. Untersuchungen über interstitielle Chiasmen bei *Oenothera. Chromosoma* 6:277-300.
- Hoffmann, W. 1938. Das Geschlechtsproblem des Hanfes in der Züchtung. *Zeits. f. Zuchtung, Ser. A. Pflanzenzucht* 22:453-468.
- _____. 1941. Gleichzeitig reifender Hanf. *Der Züchter* 13:277-283.
- Hofmeyr, J. D. J. 1938. Genetical studies of *Carica papaya* L. I-II. I. Inheritance of sex. *Union of South Africa Dept. of Agr. and Forestry Science. Science Bull.* 187.
- _____. 1938a. Genetical studies of *Carica papaya* L. *South African Jour. Sci.* 35:300-304.
- _____. 1939. Sex-linked inheritance in *Carica papaya*. L. *South African Jour. Sci.* 36:283-285.
- _____. 1939a. Some suggestions on the mechanism of sex determination in *Carica papaya* L. *South African Jour. Sci.* 36:288-290.
- _____. and H. van Elden. 1942. Tetraploidy in *Carica papaya* L. induced by colchicine. *South African Jour. Sci.* 38:181-185.
- Hollingshead, L. A. 1930. Cytological study of haploid *Crepis capillaris* plants. *Univ. Calif. Pub. Agr. Sci.* 6:107-134.
- Holmes, F. O. 1938. Inheritance of resistance to tobacco-mosaic disease in tobacco. *Phytopath* 28:553-561.
- Holubinsky, I. N. 1939. Numerical relations of sexes in various hybrid combinations in hop. *Akademii Nauk (Doklady) N. S., Moscow, SSSR.* 25:414-418.
- Hoover, M. E. 1937. Correlation between inversion length and synaptic attraction in salivary chromosomes of *Drosophila melanogaster*. *Genetics* 22:195-196(ABSTR.).
- _____. 1938. Cytogenetic analysis of nine inversions in *Drosophila melanogaster*. *Zeits. i. Abst. u. Vererb.* 74:420-434.
- Hougas, R. W. and S. J. Peloquin. 1957. A haploid plant of the potato variety Katahdin. *Nature* 180:1209-1210.
- _____. and S. J. Peloquin. 1958. The potential of potato haploids in breeding and genetic research. *Amer. Potato Jour.* 35:701-707.
- _____. , S. J. Peloquin and R. W. Ross. 1958. Haploids of the common potato. *Jour. Hered.* 49:103-106.
- Howard, H. W. 1942. The effect of polyploidy and hybridity on seed size in crosses between *Brassica chinensis*, *B. carinata*, amphidiploid *B. chinensis-carinata* and autotetraploid *B. chinensis*. *Jour. Genetics* 43:105-119.
- _____. 1942a. Self-incompatibility in polyploid forms of *Brassica* and *Raphanus*. *Nature* 149:302-303.
- Hsu, T. C. 1959. Numerical variation of chromosomes in higher animals. Chapt. 3, p. 47-62. *Soc. for Study Dev. and Growth, 16th Symp. (1957).* Ronald Press, N. Y.
- Hughes-Schrader, S. and H. Ris. 1941. The diffuse spindle attachment of coccids, verified by the mitotic behavior of induced chromosome fragments. *Jour. Exp. Zool.* 87:429-456.
- _____. 1948. Cytology of coccids (Coccoidea-Homoptera.) *Advances in Genetics* 2:127-203.

- Humphrey, L. M. 1934. The meiotic divisions of haploid, diploid and tetraploid tomatoes with special reference to the prophase. *Cytologia* 5:278-300.
- Hurd, E. A. and R. C. McGinnis. 1958. Note on the location of genes for dwarfing in Redman wheat. *Canad. Jour. Plt. Sci.* 38:506.
- Hurst, C. C. 1931. Embryo-sac formation in diploid and polyploid species of Roseae. *Proc. Roy. Soc. London B.* 109:126-148.
- Huskins, C. L. 1928. On the cytology of speltoid wheats in relation to their origin and genetic behavior. *Jour. Genetics* 20:103-122.
- _____. 1930. The origin of Spartina townsendii. *Genetica* 12:531-538.
- _____. 1941. Polyploidy and mutations. Symposium on theoretical and practical aspects of polyploidy in crop plants. *Amer. Nat.* 75:329-346.
- _____. 1946. Fatuoid, speltoid and related mutations of oats and wheat. *Bot. Rev.* 12:457-514.
- _____. and H. B. Newcombe. 1941. An analysis of chiasma pairs showing chromatid interference in Trillium erectum L. *Genetics* 26:101-127.
- Hutchinson, J. B. 1951. Intra-specific differentiation in Gossypium hirsutum. *Heredity* 5:161-193.
- Hutchinson, Sir J. 1958. Genetics and the improvement of tropical crops. Univ. Press. Cambridge.
- Hutchinson, J. B. 1959. The application of genetics to cotton improvement. The Univ. Press. Cambridge.
- _____. , R. A. Silow and S. G. Stephens. 1947. The evolution of Gossypium and the differentiation of cultivated cottons. Oxford Univ. Press, London.
- Hyde, B. B. 1953. Addition of individual Haynaldia villosa chromosomes to hexaploid wheat. *Amer. Jour. Bot.* 40:174-182.
- Ibrahim, M. A. 1954. Association tests between chromosomal interchanges in maize and resistance to the European corn borer. *Agron. Jour.* 46:293-298.
- Imai, Y. 1938. Sex-linked mutant characters in the hemp, Cannabis sativa. *Jour. Genetics* 35:431-432.
- Inman, L. L. 1957. Studies on the methods of production and theoretical applications of large rings of chromosomes in maize. Ph. D. Thesis. Univ. of Minnesota. Minneapolis. (Diss. Abs. 17:1874).
- Jacobs, P. A., A. G. Baikie, W. M. Court Brown and J. A. Strong. 1959. The somatic chromosomes in mongolism. *The Lancet* 276:710.
- Jacobsen, P. 1957. The sex chromosomes in Humulus. *Hereditas* 43:357-370.
- Janaki-Ammal, E. K. 1932. Chromosome studies in Nicandra physaloides. *LaCellule* 61:89-110.
- Janick, J. 1955. Inheritance of sex in tetraploid spinach. *Amer. Soc. Hort. Sci., Proc.* 66:361-363.
- _____. and S. Bose. 1960. Heteromorphism involving the "sex chromosomes" of Spinacia oleracea. *Genetics* 45:994.
- _____. , D. L. Mahoney, and P. L. Pfahler. 1959. The trisomics of Spinacia oleracea. *Jour. Hered.* 50:47-50.
- _____. and E. C. Stevenson. 1954. A genetic study of the heterogametic nature of the staminate plant in spinach (Spinacia oleracea L.) *Amer. Soc. Hort. Sci. Proc.* 63:444-446.
- _____. and E. C. Stevenson. 1955. Genetics of the monoecious character in spinach. *Genetics* 40:429-437.
- _____. and E. C. Stevenson. 1955a. The effects of polyploidy on expression in spinach. *Jour. Hered.* 46:150-156.
- Janssens, F. A. 1924. La chiasmatypie dans les insectes. *LaCellule* 34:135-359.
- Jenkins, M. T., A. L. Robert and Wm. R. Findley, Jr. 1957. Genetic studies of resistance to Helminthosporium turcicum in maize by means of chromosomal translocations. *Proc. Internat. Genetics Symposia* 1956:421-424.