

John Heslop-Harrison - Bibliography

- (1) **Heslop-Harrison J. 1946.** Recent researches on the flora and fauna of the Western Isles of Scotland and their biogeographical significance. *Proceedings of the Belfast Natural History and Philosophical Society* **1946**: 87-96.
- (2) **Clark WA, Heslop-Harrison J. 1948.** Noteworthy plants from Great and Little Bernera (Lewis), Pabbay and Berneray (Harris), and the Uig district of Lewis. *Proceedings of the University of Durham Philosophical Society* **X**: 214-221.
- (3) **Heslop-Harrison J. 1948.** Field studies on *Orchis* L. I. The structure of Dactylorchid populations on certain islands in the Inner and Outer Hebrides. *Transactions and Proceedings of the Botanical Society Edinburgh* **35**: 26-66.
- (4) **Heslop-Harrison JW, Heslop-Harrison J. 1948.** The vascular plants of Stuley Island, the Isles of Grimsay and Ronay, with some remarks on the flora of Benbecula, South Uist and Barra. *Proceedings of the University of Durham Philosophical Society* **X**: 499-515.
- (5) **Heslop-Harrison J. 1949.** Review: Studies in late quaternary deposits and flora-history of Ireland, by Knud Jessen. *Proc.Roy.Irish Acad.* **52**: 112-116.
- (6) **Heslop-Harrison J. 1949.** Maps of the biological subdivisions of Ireland. *The Irish Naturalists' Journal* **IX**: 331-333.
- (7) **Heslop-Harrison J. 1949.** Intersexuality in Irish willows. *Irish Naturalists' Journal* **9**: 269-272.
- (8) **Heslop-Harrison J. 1949.** The dactylorchids of North Western Donegal. *Irish Naturalists' Journal* **9**: 291-297.
- (9) **Heslop-Harrison J. 1949.** *Orchis cruenta* Mull.: a new Irish marsh orchid. *Irish Naturalists' Journal* **9**: 329-330.
- (10) **Heslop-Harrison JW, Heslop-Harrison J. 1949.** A contribution to our knowledge of the flora of the Isles of Lewis, Harris, Killegray and Ensay. *Transactions and Proceedings of the Botanical Society of Edinburgh* **35**: 132-156.
- (11) **Heslop-Harrison J. 1950.** *Orchis cruenta* Mull. in the British Isles. *Watsonia* **1**: 366-375.
- (12) **Heslop-Harrison J. 1950.** Notes on some Irish dactylorchids. *Irish Naturalists' Journal* **10**: 81-82.
- (13) **Heslop-Harrison J. 1950.** Review: Studies in Late Quaternary deposits and flora – history of Ireland, by K. Jessen. *Ulster J. Archaeology* **13**: 112
- (14) **Heslop-Harrison J. 1951.** Review: Wild flowers of chalk and limestone, by J.E Lousley. *Irish Naturalists' Journal* **X**: 254.
- (15) **Heslop-Harrison J. 1951.** The history of *Sphagnum*. *Irish Naturalists' Journal* **10**: 152.
- (16) **Heslop-Harrison J. 1951.** Fresh aspects of Irish vegetational problems. I. *Irish Naturalists' Journal* **10**: 125-130.

- (17) **Heslop-Harrison J. 1951.** Fresh aspects of Irish vegetational problems. II. *Irish Naturalists' Journal* **10**: 145-149.
- (18) **Heslop-Harrison J. 1951.** A comparison of some Swedish and British forms of *Orchis maculata* L. *sens lat.*. *Svensk Botanisk Tidskrift* **45**: 608-635.
- (19) **Heslop-Harrison J. 1951.** Review: On biometrics and systematics. *Proc.Linnean Soc.Lond.* **162**: 176-177.
- (20) **Heslop-Harrison J. 1951.** Review: The study of the distribution of British plants, being the report of the Conference held in 1950 by the Botanical Society of the British Isles, edited by J.E. Lousley. *Irish Naturalists' Journal* **X**: 218-219.
- (21) **Heslop-Harrison J. 1952.** Book Note: Wild Orchids of Britain, by V.S. Summerhayes. *The Journal of The Royal Horticultural Society* **LXXVII**: 143-144.
- (22) **Heslop-Harrison J. 1952.** A reconsideration of plant teratology. *Phyton (Graz)* **4**: 19-34.
- (23) **Heslop-Harrison J. 1952.** Phytogeographical account. Belfast in its Regional Setting. *British Association Handbook* 6-8.
- (24) **Heslop-Harrison J. 1952.** Statistical methods in plant taxonomy, Part 1. *Taxon* **1**: 53-59.
- (25) **Heslop-Harrison J. 1952.** Statistical methods in plant taxonomy. Part 2 (contd.). *Taxon* **1**: 73-78.
- (26) **Heslop-Harrison J. 1952.** Notes on the distribution of the Irish dactylorchids. in: Die Pflanzenwelt Irlands (The Flora and Vegetation of Ireland). Ergebnisse der 9. Internationalen Pflanzengeographischen Exkursion durch Irland 1949. Redigiert von Werner Ludi - Verlag Hans Huber, Bern. *Veroff. Geobotanische Institut Rübel, Zürich* **25**: 100-113.
- (27) **Heslop-Harrison J. 1952.** The modern distribution of Irish plants in the light of postglacial history. In: Charlesworth JK, ed. *The History of the Irish Flora and Fauna. Advances in Science.* 42-44.
- (28) **Small J, Lynn MJ, Kertland MPH, Heslop-Harrison J, Carrothers EN, Moon JMK, Megaw RWR. 1952.** Botany. Belfast in its regional settings. In: *British Association Handbook*. London: British Association for Advancement of Science, 1-12.
- (29) **Heslop-Harrison J. 1953.** The North American and Lusitanian elements in the flora of the British Isles. In: Lousley JE, ed. *The Changing Flora of Britain*. Botanical Society of the British Isles Symposium, 105-123.
- (30) **Heslop-Harrison J. 1953.** Studies in *Orchis* L. II. *Orchis traunsteineri* Saut. in the British Isles. *Watsonia* **2**: 371-391.
- (31) **Heslop-Harrison J. 1953.** Microsporogenesis in some triploid dactylorchid hybrids. *Ann.Bot.* **17**: 539-549.
- (32) **Heslop-Harrison J. 1953.** Some problems of variation in the British dactylorchids. *South-Eastern Naturalist and Antiquary* **58**: 14-25.
- (33) **Heslop-Harrison J. 1953.** *New Concepts in Flowering-plant Taxonomy*. London: Heinemann. pp 1-135

- (34) **Heslop-Harrison J, Gilmour JSL. 1954.** The deme terminology and the units of micro-evolutionary change. *Genetica* **27**: 147-161.
- (35) **Heslop-Harrison J. 1954.** Genecology and orthodox taxonomy: some theoretical aspects. *Science Progress* **167**: 484-494.
- (36) **Heslop-Harrison J, Webb DA. 1954.** An atlas of plant-distribution in the British Isles. An appeal to Irish field botanists. *The Irish Naturalists' Journal* **XI**: 1-3.
- (37) **Heslop-Harrison J. 1954.** Some observations on *Dactylorhiza incarnata* (L.) Vermln. in the British Isles. *Proc.Linnean Soc.Lond.* **166**: 51-82.
- (38) **Heslop-Harrison J. 1954.** Tetraploid Dactylorhiza hybrids. News and Views. *Nature* **174**: 112.
- (39) **Heslop-Harrison J. 1954.** A synopsis of the dactylorhizas of the British Isles. *Bericht über das Geobotanische Forschungsinstitut Rübel, Zürich für das Jahr 1953*: 53-82.
- (40) **Heslop-Harrison J. 1954.** The nature of plant species. Conference report. *Nature* **174**: 245-247.
- (41) **Heslop-Harrison J. 1955.** Orchid hybrids in North Down. *Irish Naturalists' Journal* **11**: 1-4.
- (42) **Heslop-Harrison J. 1955.** The conflict of categories. In: Lousley JE, ed. *Species Studies in the British Flora*. 160-172.
- (43) **Heslop-Harrison J. 1956.** Auxin and sexuality in *Cannabis sativa*. *Physiologia Plantarum* **9**: 588-597.
- (44) **Heslop-Harrison J. 1956.** Professor James Small. *Nature* **177**: 258-259.
- (45) **Heslop-Harrison J. 1956.** *Dactylorhiza traunsteineri* Saut. in Co. Antrim. *Irish Naturalists' Journal* **12**: 8-9.
- (46) **Heslop-Harrison J. 1956.** Review: The chemistry and mode of action of plant growth substances, edited by R.L. Wain and F. Wightman. London: Butterworth Scientific Publications. pp 312. *Nature* 58-59.
- (47) **Heslop-Harrison J. 1956.** Review: Botany of British Hills - Mountain flowers, by John Raven and Dr. Max Walters. *Nature* **178**: 1260.
- (48) **Heslop-Harrison J. 1956.** *Cladium mariscus* in Co. Antrim. *Irish Naturalists' Journal* **12**: 72.
- (49) **Heslop-Harrison J. 1957.** The physiology of reproduction in *Dactylorhiza*. Auxin and the control of meiosis, ovule formation and ovary growth. *Botaniska Notiser* **110**: 28-48.
- (50) **Heslop-Harrison J. 1957.** The experimental modification of sex expression in flowering plants. *Cambridge Biological Reviews* **32**: 38-90.
- (51) **Heslop-Harrison J. 1957.** The sexuality of flowers. Eds ML Johnson, M Abercrombie, GE Fogg. London: Penguin. *New Biology* **23**: 9-27.
- (52) **Heslop-Harrison J. 1957.** On the hybridization of the common spotted orchid, *Dactylorhiza fuchsii* (Druce) Vermln., with the marsh orchids, *D. praetermissa* (Druce) Vermln. and *D. purpurella* (T. and A. Steph.) Vermln. *Proc.Linnean Soc.Lond.* **167**: 176-185.

- (53) **Heslop-Harrison J. 1957.** Ring formation by *Triglochin maritima* in Eastern Irish salt marsh. *Irish Naturalists' Journal* **12**: 1-6.
- (54) **Heslop-Harrison J. 1957.** The effect of carbon monoxide on sexuality in *Mercurialis ambigua* L. f. *New Phytol.* **56**: 352-355.
- (55) **Heslop-Harrison J, Heslop-Harrison Y. 1957.** Studies on flowering-plant growth and organogenesis - I. Morphogenetic effects of 2,3,5-triiodobenzoic acid on *Cannabis sativa*. *Proceedings of the Royal Society of Edinburgh B* **66**: 409-423.
- (56) **Heslop-Harrison J, Heslop-Harrison Y. 1957.** Studies on flowering-plant growth and organogenesis - II. The modification of sex expression in *Cannabis sativa* by carbon monoxide. *Proceedings of the Royal Society of Edinburgh B* **66**: 424-434.
- (57) **Heslop-Harrison J. 1958.** Review: An ecological perspective - Biogeography, by Pierre Dansereau. *Nature* **181**: 586.
- (58) **Heslop-Harrison J, Heslop-Harrison Y. 1958.** Photoperiod, auxin and sex balance in a long day plant. *Nature* **181**: 100-102.
- (59) **Heslop-Harrison J, Heslop-Harrison Y. 1958.** Long-day and auxin induced male sterility in *Silene pendula* L. *Portugaliae Acta Biologica* **5**: 79-94.
- (60) **Heslop-Harrison J. 1958.** Darwin as a botanist. In: Barnett SA, ed. *A Century of Darwin*. Heinemann, 267-295.
- (61) **Heslop-Harrison J. 1958.** Ecological variation and ethological isolation. In: Hedberg O, ed. *Systematics of Today: A Symposium Commemorating the 250th Anniversary of the birth of Carolus Linnaeus*. 150-158.
- (62) **Heslop-Harrison J, Heslop-Harrison Y. 1958.** Studies on flowering-plant growth and organogenesis - III. Leaf shape changes associated with flowering and sex differentiation in *Cannabis sativa*. *Proc.Roy.Irish Acad.* **59**: 257-283.
- (63) **Heslop-Harrison J. 1958.** The unisexual flower - a reply to criticism. *Phytomorphology* **8**: 177-184.
- (64) **Heslop-Harrison J. 1959.** The influence of daylength on the breeding system of grasses. *New Scientist* **1959**: 881-883.
- (65) **Heslop-Harrison J. 1959.** Photoperiod and fertility in *Rottboellia exaltata* L.f. *Ann.Bot.* **23**: 345-349.
- (66) **Heslop-Harrison J. 1959.** Variability and environment. *Evolution* **13**: 145-147.
- (67) **Heslop-Harrison J. 1959.** Photoperiodic effects on sexuality, breeding system and seed germination in *Rottboellia exaltata*. *Proceedings of the IXth International Botanical Congress Montreal*: 162-163.
- (68) **Heslop-Harrison J. 1959.** Apomictic potentialities in *Dactylorhiza*. *Proc.Linnean Soc.Lond.* **170**: 174-178.
- (69) **Heslop-Harrison J. 1959.** Growth substances and flower morphogenesis. *Journal of the Linnean Society Botany* **56**: 269-281.
- (70) **Heslop-Harrison J. 1959.** Apomixis, environment and adaptation. In: *Biosystematics Symposium of the Ninth International Botanical Congress, Montreal, Canada, August 19-29th 1959*. 1-9.

- (71) **Heslop-Harrison J. 1959.** The origin of isolation. Eds ML Johnson, M Abercrombie, GE Fogg. London: Penguin. *New Biology* **28(Darwin Centenary)**: 65-91.
- (72) **Heslop-Harrison J. 1960.** A note on temperature and vapour pressure deficit under drought conditions in some microhabitats of the Burren limestone, Co. Clare. *Proc.Roy.Irish Acad.* **61**: 109-114.
- (73) **Heslop-Harrison J. 1960.** Genetics and the "Origin of Species". In: Haslett AW, St.John J, eds. *Science Survey*. 155-169.
- (74) **Heslop-Harrison J. 1960.** Intraspecific differentiation. *Planta Medica* **8**: 208-218.
- (75) **Heslop-Harrison J. 1960.** Suppressive effects of 2-thiouracil on differentiation and flowering in *Cannabis sativa* L. *Science* **132**: 1943-1944.
- (76) **Heslop-Harrison J. 1960.** The experimental control of sexuality and inflorescence structure in *Zea mays* L. *Proc.Linnean Soc.Lond.* **172**: 108-123.
- (77) **Heslop-Harrison J. 1960.** Apomixis, environment and adaptation. In: *Recent Advances in Botany*. Toronto University Press, 891-895.
- (78) **Heslop-Harrison J, Heslop-Harrison Y. 1961.** Studies on flowering-plant growth and organogenesis. IV. Effects of gibberellic acid on flowering and the secondary sexual difference in stature in *Cannabis sativa*. *Proc.Roy.Irish Acad.* **61**: 219-231.
- (79) **Heslop-Harrison J. 1961.** Review of Symposium at the University Botanic Garden, Cambridge: The mathematical assessment of taxonomic similarity, including the use of computers. *Taxon* **10**: 97-101.
- (80) **Heslop-Harrison J. 1961.** *Arenaria norvegica* Gunn, a species new to the Irish flora, in Co. Clare. *Irish Naturalists' Journal* **13**: 267-268.
- (81) **Heslop-Harrison J. 1961.** The function of the glume pit and the control of cleistogamy in *Bothriochloa decipiens* (Hack.) C.E. Hubbard. *Phytomorphology* **11**: 378-383.
- (82) **Heslop-Harrison J. 1961.** Apomixis. In: *Encyclopedia of Biological Sciences*. New York: Reinhold, 45-46.
- (83) **Heslop-Harrison J. 1962.** Purposes and procedures in the taxonomic treatment of higher organisms. In: *Symposium on "Microbial Classification"*. Society of General Microbiology, 14-36.
- (84) **Heslop-Harrison J. 1962.** Evanescent and persistent modifications of chloroplast ultrastructure induced by an unnatural pyrimidine. *Planta* **58**: 237-256.
- (85) **Heslop-Harrison J. 1962.** Effect of 2-thiouracil on cell differentiation and leaf morphogenesis in *Cannabis sativa*. *Ann.Bot.* **26**: 375-387.
- (86) **Heslop-Harrison J. 1962.** Origin of exine. *Nature* **195**: 1069-1071.
- (87) **Heslop-Harrison J. 1963.** Structure and morphogenesis of lamellar systems in grana-containing chloroplasts. I. Membrane structure and lamellar architecture. *Planta* **60**: 243-260.
- (88) **Heslop-Harrison J. 1963.** Species concepts: Theoretical and practical aspects. In: Swain T, ed. *Chemical Plant Taxonomy*. 17-40.

- (89) **Heslop-Harrison J. 1963.** Symposium at University of Birmingham: Place of Taxonomy in the Teaching of Biology. Review written by G.J. Kerrich. *Nature* **198**: 346-348.
- (90) **Heslop-Harrison J. 1963.** Ultrastructural aspects of differentiation in sporogenous tissue. In: *Symposium of the Society for Experimental Biology*. Cambridge: Cambridge University Press, 315-340.
- (91) **Heslop-Harrison J. 1963.** Plant Growth Substances. In: Turrill WB, ed. *Vistas in Botany III. Recent Research in Plant Physiology*. Pergamon Press, 104-194.
- (92) **Heslop-Harrison J. 1963.** An ultrastructural study of pollen wall ontogeny in *Silene pendula*. *Grana Palynologica* **4**: 7-24.
- (93) **Heslop-Harrison J. 1963.** The ultrastructure of some chemically induced somatic chloroplast mutants in *Cannabis sativa* L. *Portugaliae Acta Biologica* **8**: 13-40.
- (94) **Knox RB, Heslop-Harrison J. 1963.** Experimental control of aposporous apomixis in a grass of the Andropogoneae. *Botaniska Notiser* **116**: 127-141.
- (95) **Heslop-Harrison J. 1964.** Aspects of chloroplast structure, reproduction and morphogenesis. *Biochemical Journal Proceedings* **93**: 2.
- (96) **Heslop-Harrison J. 1964.** Review: Plant taxonomy seen as a science, by Dr P.H. Davis and Dr V.H Heywood. *Nature* **203**: 333-334.
- (97) **Heslop-Harrison J. 1964.** Sex expression in flowering plants. In: *Brookhaven Symposia in Biology* 16. 109-125.
- (98) **Heslop-Harrison J. 1964.** The control of flower differentiation and sex expression. In: *Colloques Internationaux du Centre National de la Recherche Scientifique*. Paris: 649-664.
- (99) **Heslop-Harrison J. 1964.** Cell walls, cell membranes and protoplasmic connections during meiosis and pollen development. In: Linskens HF, ed. *Pollen Physiology and Fertilisation*. Amsterdam: North Holland Publishing, 39-47.
- (100) **Heslop-Harrison J. 1964.** Forty years of genecology. In: Cragg JB, ed. *Advances in Ecological Research*. Academic Press, 159-247.
- (101) **Heslop-Harrison J. 1965.** Morphogenesis at the sub-cellular level. In: Cutter E, ed. *Trends in Plant Morphogenesis*. Longmans Green, 127-139.
- (102) **Heslop-Harrison J, Jagoe MP. 1965.** The effect of a pyrimidine analogue on apical organisation. In: *Differentiation of Apical Meristems: Proceedings of the Symposium*. Prague: Czechoslovak Academy of Sciences, 105-111.
- (103) **Heslop-Harrison J. 1966.** Cytoplasmic connexions between angiosperm meiocytes. *Ann.Bot.* **30**: 221-230.
- (104) **Heslop-Harrison J. 1966.** Botany as a university subject. In: Boehm K, ed. *University Choice*. Penguin Books, 61-75.
- (105) **Heslop-Harrison J. 1966.** Cytoplasmic continuities during spore formation in flowering plants. *Endeavour* **25**: 65-72.
- (106) **Heslop-Harrison J. 1966.** Reflections on the role of environmentally-governed reproductive versatility in the adaptation of plant populations. *Transactions and Proceedings of the Botanical Society of Edinburgh* **40**: 159-168.

- (107) **Heslop-Harrison J. 1966.** Structural features of the chloroplast. *Science Progress* **54**: 519-541.
- (108) **Knox RB, Heslop-Harrison J. 1966.** Control of pollen fertility through the agency of the light regime in the grass *Dichanthium aristatum*. *Phyton (Graz)* **11**: 256-267.
- (109) **Zuk J, Heslop-Harrison J. 1966.** The role of the tapetum in the microsporogenesis of *Cannabis sativa*. *Genetika Polska* **5**: 140.
- (110) **Heslop-Harrison J. 1967.** Autoradiography of soluble (2-14C)-thymidine derivatives during meiosis and microsporogenesis in *Lilium* anthers. *J.Cell Sci.* **2**: 387-400.
- (111) **Heslop-Harrison J. 1967.** Differentiation. *Annual Review of Plant Physiology* **18**: 325-348.
- (112) **Mackenzie A, Heslop-Harrison J, Dickinson HG. 1967.** Elimination of ribosomes during meiotic prophase. *Nature* **215**: 997-999.
- (113) **Heslop-Harrison J, Mackenzie, A. 1967.** *Nuevos conceptos sobre la taxonomia de las plantas superiores*. Inst Interamericano de Ciencias Agricolas Publ Misc 47, Lima, Peru. Translation by J. Leon.
- (114) **Moss GI, Heslop-Harrison J. 1967.** A cytochemical study of DNA, RNA, and protein in the developing maize anther. II. Observations. *Ann.Bot.* **31**: 555-572.
- (115) **Heslop-Harrison J. 1968.** Anther carotenoids and the synthesis of sporopollenin. *Nature* **220**: 605.
- (116) **Heslop-Harrison J. 1968.** The emergence of pattern in the cell walls of higher plants. *Developmental Biology Supplement* **2**: 118-150.
- (117) **Heslop-Harrison J. 1968.** Chairman's Summing Up. In: Hawkes JG, ed. *Chemotaxonomy and Serotaxonomy*. Academic Press, 279-284.
- (118) **Heslop-Harrison J. 1968.** Pollen wall development. *Science* **161**: 230-237.
- (119) **Heslop-Harrison J. 1968.** Some fine structural features of intine growth in the young microspore of *Lilium henryi*. *Portugaliae Acta Biologicae* **10**: 235-246.
- (120) **Heslop-Harrison J. 1968.** Synchronous pollen mitosis and the formation of the generative cell in massulate orchids. *J.Cell Sci.* **3**: 457-466.
- (121) **Heslop-Harrison J. 1968.** Tapetal origin of pollen coat substances in *Lilium*. *New Phytol.* **67**: 779-786.
- (122) **Heslop-Harrison J, Moss GI. 1968.** Photoperiod and pollen sterility in maize. *Ann.Bot.* **32**: 833-846.
- (123) **Heslop-Harrison J, Dickinson HG. 1968.** A common mode of deposition for the sporopollenin of sexine and nexine. *Nature* **220**: 926-927.
- (124) **Heslop-Harrison J. 1968.** Genetic systems and ecological habit as factors in dactylorchid variation. *Jahresberichte der Naturwissenschaftlichen Vereins in Wuppertal* **21/22**: 19-27.
- (125) **Heslop-Harrison J. 1968.** Ribosome sites and S gene action. *Nature* **218**: 90-91.
- (126) **Heslop-Harrison J, Dickinson HG. 1968.** A cycle of sphaerosome aggregation and disaggregation correlated with the meiotic divisions in *Lilium*. *Phytomorphology* **17**: 195-199.

- (127) **Heslop-Harrison J. 1968.** Wall development within the microspore tetrad of *Lilium longiflorum*. *Can.J.Bot.* **46**: 1185-1192.
- (128) **Heslop-Harrison J. 1969.** *New concepts in flowering-plant taxonomy*. Tokyo, Japan: Kaigai Hyoron-Sha.
- (129) **Heslop-Harrison J. 1969.** An acetolysis-resistant membrane investing tapetum and sporogenous tissue in the anthers of certain Compositae. *Can.J.Bot.* **47**: 541-542.
- (130) **Heslop-Harrison J, Dickinson HG. 1969.** Time relationships of sporopollenin synthesis associated with tapetum and microspores in *Lilium*. *Planta* **84**: 199-214.
- (131) **Heslop-Harrison J. 1969.** The origin of surface features of the pollen wall of *Tagetes patula* as observed by scanning electron microscopy. *Cytobios* **2**: 177-186.
- (132) **Heslop-Harrison J, Heslop-Harrison Y. 1969.** *Cannabis sativa* L. In: Evans LT, ed. *The Induction of Flowering*. Macmillan, 205-226.
- (133) **Heslop-Harrison J. 1969.** Scanning electron microscopic observations on the wall of the pollen grain of *Cosmos bipinnatus*, Compositae. In: *Proceedings of the 2nd Engis Stereoscan Colloquium Illinois Institute of Technology, Chicago*. 89-96.
- (134) **Heslop-Harrison J, Knox RB. 1969.** Cytochemical localization of enzymes in the wall of the pollen grain. *Nature* **223**: 92-94.
- (135) **Heslop-Harrison J, Heslop-Harrison Y. 1969.** Scanning electron microscopy of leaf surfaces. In: *Proceedings of the 2nd Annual Steroscan Symposium Illinois Institute of Technology, Chicago*. 117-126.
- (136) **Heslop-Harrison J. 1969.** Development, differentiation, and yield. In: *Physiological Aspects of Crop Yield, Symposium of the American Society of Agronomy*. Lincoln, Nebraska: 291-335.
- (137) **Dickinson HG, Heslop-Harrison J. 1970.** The behaviour of plastids during meiosis in the microsporocyte of *Lilium longiflorum* Thunb. *Cytobios* **2**: 103-118.
- (138) **Dickinson HG, Heslop-Harrison J. 1970.** The ribosome cycle, nucleoli and cytoplasmic nucleoloids during meiosis in the anther of *Lilium*. *Protoplasma* **69**: 187-200.
- (139) **Heslop-Harrison J, Heslop-Harrison Y. 1970.** The state of the apex and the response to induction in *Cannabis sativa*. In: Bernier G, ed. *Proceedings of the Symposium on Cellular and Molecular Aspects of Floral Induction, Liege, Belgium*. Longmans Green, 3-26.
- (140) **Knox RB, Heslop-Harrison J, Reed C. 1970.** Localization of antigens associated with the pollen grain wall by immunofluorescence. *Nature* **225**: 1066-1068.
- (141) **Knox RB, Heslop-Harrison J. 1970.** Pollen-wall proteins: localization and enzymic activity. *J.Cell Sci.* **6**: 1-27.
- (142) **Knox RB, Dickinson HG, Heslop-Harrison J. 1970.** Cytochemical observations on changes in RNA content and acid phosphatase activity during the meiotic prophase in the anther of *Cosmos bipinnatus* Cav. *Acta Bot.Neerl.* **19**: 1-6.
- (143) **Knox RB, Heslop-Harrison J. 1970.** Direct demonstration of the low permeability of the angiosperm meiotic tetrad using a fluorogenic ester. *Z.Pflanzenphysiol.* **62**: 451-459.

- (144) **Heslop-Harrison J, Heslop-Harrison Y. 1970.** Evaluation of pollen viability by enzymatically induced fluorescence: intracellular hydrolysis of fluorescein diacetate. *Stain Techn.* **45**: 115-120.
- (145) **Dickinson HG, Heslop-Harrison J. 1971.** The mode of growth of the inner layer of the pollen-grain exine in *Lilium*. *Cytobios* **4**: 233-243.
- (146) **Heslop-Harrison J. 1971.** Sporopollenin in the biological context. In: Brook J, Grant PR, Muir RD, eds. *Sporopollenin*. New York: Academic Press, 1-30.
- (147) **Heslop-Harrison J. 1971.** *Pollen: development and physiology (Ed.)*. London: Butterworths.
- (148) **Heslop-Harrison J. 1971.** Features of male sterility in angiosperms. In: *Proceedings 26th Annual Corn and Sorghum Research Conference*. Washington: American Seed Trade Association, 14-21.
- (149) **Heslop-Harrison J. 1971.** The pollen wall: structure and development. In: Heslop-Harrison J, ed. *Pollen: Development and Physiology*. London: Butterworth, 75-98.
- (150) **Heslop-Harrison J. 1971.** Wall pattern formation in angiosperm microsporogenesis. *Society for Experimental Biology Symposium* **25**: 277-300.
- (151) **Heslop-Harrison J. 1971.** The cytoplasm and its organelles during meiosis. In: Heslop-Harrison J, ed. *Pollen: Development and Physiology*. London: Butterworth, 16-31.
- (152) **Knox RB, Heslop-Harrison J. 1971.** Pollen-wall proteins: localization of antigeniB
- (153) **Heslop-Harrison J. 1971.** *Pollen: development and physiology (Ed.)*. London: Butterworths.
- (154) **Heslop-Harrison J. 1971.** Features of male sterility in angiosperms. In: *Proceedings 26th Annual Corn and Sorghum Research Conference*. Washington: American Seed Trade Association, 14-21.
- (155) **Heslop-Harrison J. 1971.** The pollen wall: structure and development. In: Heslop-Harrison J, ed. *Pollen: Development and Physiology*. London: Bc and allergenic proteins in the pollen-grain walls of *Ambrosia* spp. (ragweeds). *Cytobios* **4**: 49-54.
- (156) **Knox RB, Heslop-Harrison J. 1971.** Pollen wall proteins: electron-microscope localisation of acid phosphatase in the intine of *Crocus vernus*. *J.Cell Sci.* **8**: 727-734.
- (157) **Knox RB, Heslop-Harrison J. 1971.** Pollen-wall proteins: the fate of intine-held antigens on the stigma in compatible and incompatible pollinations of *Phalaris tuberosa* L. *J.Cell Sci.* **9**: 239-251.
- (158) **Knox RB, Dickinson HG, Heslop-Harrison J. 1971.** Cytoplasmic RNA and enzyme activity during the meiotic prophase in *Cosmos bipinnatus*. In: Heslop-Harrison J, ed. *Pollen: Development and Physiology*. London: Butterworth, 32-35.
- (159) **Knox RB, Heslop-Harrison J. 1971.** Pollen wall enzymes: taxonomic distribution and physical localisation. In: Heslop-Harrison J, ed. *Pollen: Development and Physiology*. London: Butterworth, 171-173.

- (160) **Heslop-Harrison J. 1972.** Genetics and the development of higher plants: A summary of current concepts. In: Steward FC, ed. *Plant Physiology, a Treatise Volume 6C*. New York: Academic Press, 341-366.
- (161) **Heslop-Harrison J. 1972.** The prospect ahead. *J.Kew Guild (events of 1971)*: 44-51.
- (162) **Heslop-Harrison J. 1972.** Pattern in plant cell walls: morphogenesis in miniature. *Proc.Roy.Inst.GB* **45**: 335-352.
- (163) **Heslop-Harrison J. 1972.** Sexuality of angiosperms. In: Steward FC, ed. *Plant Physiology, a Treatise Volume 6C*. New York: Academic Press, 133-289.
- (164) **Heslop-Harrison J. 1973.** The plant kingdom: An exhaustible resource? The Sir William Wright Smith Memorial Lecture for 1972. *Transactions and Proceedings of the Botanical Society of Edinburgh* **42**: 1-15.
- (165) **Heslop-Harrison J, Heslop-Harrison Y, Knox RB, Howlett B. 1973.** Pollen-wall proteins: 'gametophytic' and 'sporophytic' fractions in the pollens walls of the Malvaceae. *Ann.Bot.* **37**: 403-412.
- (166) **Howlett BJ, Knox RB, Heslop-Harrison J. 1973.** Pollen-wall proteins: release of the allergen antigen E from intine and exine sites in pollen grains of ragweed and *Cosmos*. *J.Cell Sci.* **13**: 603-619.
- (167) **Williams E, Heslop-Harrison J, Dickinson HG. 1973.** The activity of the nucleolus organising region and the origin of cytoplasmic nucleoloids in meiocytes of *Lilium*. *Protoplasma* **77**: 79-93.
- (168) **Heslop-Harrison J. 1974.** Genetic resource conservation: the end and the means. *J.Roy.Soc.Arts* **72**: 157-169.
- (169) **Heslop-Harrison J, Mattsson O, Knox RB, Heslop-Harrison Y. 1974.** Protein pellicle of stigmatic papillae as a probable recognition site in incompatibility reactions. *Nature* **247**: 298-300.
- (170) **Heslop-Harrison J, Knox RB, Heslop-Harrison Y. 1974.** Pollen-wall proteins: exine-held fractions associated with the incompatibility response in Cruciferae. *Theor.Appl.Genet.* **44**: 133-137.
- (171) **Heslop-Harrison J. 1974.** Development, plant. *Encyclopedia Britannica* **15**: 658-671.
- (172) **Heslop-Harrison J. 1974.** Postscript: the threatened plants committee. Succulents in Peril: Contributions on the theme of conservation presented during the XII Congress of the International Organisation for Succulent plant study, ed D.R. Hunt. *IOS Bulletin 3 Supplement*: 30-32.
- (173) **Lang G, Berzsenyi-Janossits L, Bacso N, Heslop-Harrison J, Sprague GF, Lawes DA, Barner J, Venturi G, Rod J, et al. . 1974.** Contributions to the paper of Gy. Mandy: experiments with the "Horse-race method" or otherwise? *Acta Agron.Budap.* **23**: 483-512.
- (174) **Heslop-Harrison J. 1975.** Incompatibility and the pollen-stigma interaction. *Annual Review of Plant Physiology* **26**: 403-425.
- (175) **Heslop-Harrison J. 1975.** Male gametophyte selection and the pollen-stigma interaction. In: Mulcahy DL, ed. *Gamete competition in plants and animals*. Amsterdam: North Holland, 177-190.

- (176) **Heslop-Harrison J. 1975.** Reflections on the contribution of F. C. Steward F.R.S. on the occasion of his retirement from the Directorship of the Laboratory for Cell Physiology, Growth and Development at Cornell University. In: Davies PJ, ed. . Historical and Current Aspects of Plant Physiology: A Symposium Honoring F.C. Steward, 1-8.
- (177) **Heslop-Harrison J. 1975.** Concluding remarks. In: Brenan JPM, Ross R, Williams JT, eds. *Computers in Botanical Collections: Report of NATO Scientific Affairs Division*. London: Plenum Press, 195-197.
- (178) **Heslop-Harrison J. 1975.** Crops, commodities and energy capture. Presidential address to the Institute of Biology. *Biologist* **22**: 1-8-or 60-67.
- (179) **Heslop-Harrison J, Heslop-Harrison Y, Barber J. 1975.** The stigma surface in incompatibility responses. *Proc.R.Soc.Lond.B* **188**: 287-297.
- (180) **Heslop-Harrison J. 1975.** Reforming the cellulose economy. *New Scientist* **65**: 266.
- (181) **Heslop-Harrison J. 1975.** "Botanica" Encyclopedia del Novecento. *Encyclopedia Italia* **B**: 536-556.
- (182) **Heslop-Harrison J. 1975.** Self and not self in Plants. In: Knox RB, Clarke AC, eds. *Biological Recognition: 1st Annual Symposium*. Melbourne: School of Botany, University of Melbourne, 5-15.
- (183) **Heslop-Harrison J, Heslop-Harrison Y. 1975.** Enzymic removal of the proteinaceous pellicle of the stigma papilla prevents pollen tube entry in the Caryophyllaceae. *Ann.Bot.* **39**: 163-165.
- (184) **Heslop-Harrison J. 1975.** The physiology of the incompatibility response in the Cruciferae. In: Wills AB, North C, eds. *Eucarpia Cruciferous Symposium, 1974*. Scottish Horticultural Research Institute, 14-19.
- (185) **Heslop-Harrison J. 1975.** Man and the endangered plant. In: Pragnell , ed. *International Yearbook, 1975*. xiii-xvi.
- (186) **Knox RB, Heslop-Harrison J, Heslop-Harrison Y. 1975.** Pollen-wall proteins: localization and characterization of gametophytic and sporophytic fractions. In: Duckett JG, Racey PA, eds. *Biology of the Male Gamete: Supplement No. 1 to the Biological Journal of the Linnean Society Volume 7*. London: Linnean Society, 177-187.
- (187) **Heslop-Harrison J, Knox RB, Heslop-Harrison Y, Mattsson O. 1975.** Pollen-wall proteins: emission and role in incompatibility responses. In: Duckett JG, Racey PR, eds. *Biology of the Male Gamete: SupplementNo. 1 to the Biological Journal of the Linnean Society 7*. London: Linnean Society, 189-202.
- (188) **Heslop-Harrison J. 1975.** The Croonian Lecture: The physiology of the pollen grain surface. *Proc.R.Soc.Lond.B* **190**: 275-299.
- (189) **Heslop-Harrison J, Heslop-Harrison Y. 1975.** Fine structure of the stigmatic papilla of *Crocus*. *Micron* **6**: 45-52.
- (190) **Heslop-Harrison J. 1975.** Introduction. In: Hepper FN, ed. *Wakehurst Place: yesterday, today and tomorrow*. Kew Guild Publication. Kew, London: Royal Botanic Gardens, 3-5.

- (191) **Howlett BJ, Knox RB, Paxton JD, Heslop-Harrison J. 1975.** Pollen-wall proteins: physicochemical characterization and role in self-incompatibility in *Cosmos bipinnatus*. *Proc.R.Soc.Lond.B* **188**: 167-182.
- (192) **Williams E, Heslop-Harrison J. 1975.** Membrane-bounded cisternae associated with the chromosomes at first meiotic metaphase in microsporocytes of *Rhoeo spathacea*. *Protoplasma* **86**: 285-289.
- (193) **Heslop-Harrison J. 1976.** In agriculture, learn from Ta Chai. *MAFF Bulletin* **19 No.10**: 109-112.
- (194) **Heslop-Harrison J. 1976.** Introduction. In: Simmons JB, Beyer RI, Brandham PE, Lucas G, Parry V, eds. *Conservation of Threatened Plants: The Function of Living Plant Collections in Conservation and Conservation-oriented Research and Public Education. (NATO Conference Series 1)*. Plenum Press, 3-7.
- (195) **Heslop-Harrison J. 1976.** Reproductive Physiology. In: Simmons JB, Beyer RI, Brandham PE, Lucas G, Parry V, eds. *Conservation of Threatened Plants The Function of Living Plant Collections in Conservation and Conservation-oriented Research and Public Education. (NATO Conference Series 1)*. Plenum Press, 199-205.
- (196) **Heslop-Harrison J. 1976.** A new look at pollination. The Amos Memorial Lecture. In: *Report of the East Malling Research Station for 1975*. East Malling: East Malling Research Station, 141-157.
- (197) **Heslop-Harrison J. 1975.** The adaptive significance of the exine. *Linnean Soc.Symp.Ser. 1*: 27-38.
- (198) **Heslop-Harrison J. 1976.** Comments on research and research organisation in the agricultural field in China. In: Harley J, ed. *Report of the Royal Society Delegation: Scientific Visits to China under Arrangements between Academia Sinica and the Royal Society. Part 8*. London: Royal Society, 39-48.
- (199) **Heslop-Harrison J. 1976.** Professor J. Heslop-Harrison, Director, Royal Botanic Gardens' Kew, talks to Conservation News. *Conservation News* **62**: 3-7.
- (200) **Dickinson HG, Heslop-Harrison J. 1977.** Ribosomes, membranes and organelles during meiosis in angiosperms. *Phil.Trans.R.Soc.Lond.B* **277**: 327-342.
- (201) **Heslop-Harrison J. 1977.** Introduction. In: Dyer AF, ed. *The Experimental Morphology of Pteridophytes*. London: Academic Press, 1-8.
- (202) **Heslop-Harrison J. 1978.** Learned society publication in the United Kingdom. In: Phillips E, ed. *The future of publishing by scientific and technical societies*. Luxembourg: Commission of the European Communities, 5-17.
- (203) **Heslop-Harrison J, Lucas G. 1978.** Plant genetic resource conservation and ecosystem rehabilitation. In: . *The Breakdown and Restoration of Ecosystems*, 297-306.
- (204) **Heslop-Harrison J. 1978.** The Bewley lecture: Research, crop production and policy. In: *Annual Report Glasshouse Crops Research Institute for 1977 (publ. 1978)*. S1-S13.
- (205) **Heslop-Harrison J. 1978.** Biosystematics, taxonomy, and the practical man. In: Romberger JA, ed. *Biosystematics in Agriculture. Beltsville Agricultural Research*

- Center, United States Department of Agriculture, Symposium No. 2. Totowa, N.J.: Allenheld, Osmun & Co, 305-312.
- (206) **Heslop-Harrison J. 1978.** Recognition and response in the pollen-stigma interaction. In: Curtis ASG, ed. *SEB Symposium 32: Cell-Cell Recognition*. Cambridge: Cambridge University Press, 121-136.
- (207) **Heslop-Harrison J. 1978.** Genetics and physiology of angiosperm incompatibility systems. *Proc.R.Soc.Lond.B* **202**: 73-92.
- (208) **Heslop-Harrison J. 1978.** Summary and perspectives. Higher Plants as Monitors of Environmental Mutagens. National Institute of Environmental Health Sciences and the Energy, Research and Development Administration, U.S.A. Eds. F.D. de Serres, M.D. Shelby. *Environmental Health Perspectives* **27**: 197-206.
- (209) **Heslop-Harrison J. 1978.** Research, crop production, and policy. *Biologist* **25**: 199-205.
- (210) **Heslop-Harrison J. 1978.** *Cellular Recognition Systems in Plants. Institute of Biology Studies in Biology No. 100*. London: Edward Arnold.
- (211) **Shivanna KR, Heslop-Harrison Y, Heslop-Harrison J. 1978.** The pollen-stigma interaction: bud pollination in the Cruciferae. *Acta Bot.Neerl.* **27**: 107-119.
- (212) **Heslop-Harrison J. 1979.** Pollen-stigma interaction in grasses: a brief review. *New Zealand Journal of Botany* **17**: 537-546.
- (213) **Heslop-Harrison J. 1979.** Aspects of the structure, cytochemistry and germination of the pollen of rye (*Secale cereale* L.). *Ann.Bot.* **44 Supplement**: 1-47+18.
- (214) **Heslop-Harrison J. 1979.** Pollen walls as adaptive systems. *Annals of the Missouri Botanic Garden* **66**: 813-829.
- (215) **Heslop-Harrison J. 1979.** Darwin and the movement of plants: A retrospect. In: Skoog F, ed. *Plant Growth Substances*. Berlin: Springer, 1-26.
- (216) **Heslop-Harrison J. 1979.** The forgotten generation: some thoughts on the genetics and physiology of angiosperm gametophytes. In: . The Bateson lecture: Proceedings of the Fourth John Innes Symposium, 1-14.
- (217) **Heslop-Harrison J. 1979.** An interpretation of the hydrodynamics of pollen. *Am.J.Bot.* **66**: 737-743.
- (218) **Heslop-Harrison J. 1979.** Botanical microscopy 1979 - Retrospect and Prospect. *Royal Microscopical Society Proceedings* **14**: 256-266.
- (219) **Vithanage HIMV, Heslop-Harrison J. 1979.** The pollen-stigma interaction: fate of fluorescent-labelled pollen-wall proteins on the stigma surface in rye (*Secale cereale*). *Ann.Bot.* **43**: 113-114.
- (220) **Heslop-Harrison J. 1980.** Compartmentation in anther development and pollen-wall morphogenesis. In: Nover L, Lynen F, Mothes K, eds. *Cell compartmentation and metabolic channeling*. Jena, Amsterdam: Fischer Verlag / Elsevier/North Holland Biomedical, 471-484.
- (221) **Heslop-Harrison J, Heslop-Harrison Y. 1980.** The pollen-stigma interaction in the grasses. 1. Fine-structure and cytochemistry of the stigmas of *Hordeum* and *Secale*. *Acta Bot.Neerl.* **29**: 261-276.

- (222) **Heslop-Harrison J, Heslop-Harrison Y. 1980.** Cytochemistry and function of the Zwischenkorper in grass pollens. *Pollen Spores* **22**: 5-10.
- (223) **Heslop-Harrison Y, Heslop-Harrison J. 1980.** Chloride ion movement and enzyme secretion from the digestive glands of *Pinguicula*. *Ann.Bot.* **45**: 729-731.
- (224) **Heslop-Harrison J, Heslop-Harrison Y. 1981.** The pollen-stigma interaction in the grasses. 2. Pollen-tube penetration and the stigma response in *Secale*. *Acta Bot.Neerl.* **30**: 289-307.
- (225) **Heslop-Harrison J, Williams E. 1981.** A comparison of RNA synthetic activity in the plasmodial and secretory types of tapetum during the meiotic interval. *Phytomorphology* **29**: 370-381.
- (226) **Heslop-Harrison J, Shivanna KR. 1981.** Membrane state and pollen viability. *Ann.Bot.* **47**: 759-770.
- (227) **Heslop-Harrison Y, Heslop-Harrison J, Shivanna KR. 1981.** Heterostyly in *Primula*. 1. Fine-structural and cytochemical features of the stigma and style in *Primula vulgaris* Huds. *Protoplasma* **107**: 171-187.
- (228) **Heslop-Harrison J, Heslop-Harrison Y. 1981.** Heterostyly in *Primula*. 2. Sites of pollen inhibition, and effects of pollen constituents on compatible and incompatible pollen-tube growth. *Protoplasma* **107**: 319-337.
- (229) **Heslop-Harrison J, Knox RB. 1981.** Plant histochemistry: retrospect and prospect. In: Stoward PJ, Polak JM, eds. *Histochemistry: the widening horizons*. 1-10.
- (230) **Heslop-Harrison Y, Heslop-Harrison J. 1981.** The digestive glands of *Pinguicula*: structure and cytochemistry. *Ann.Bot.* **47**: 293-319.
- (231) **Rowland JFB, Keay RWJ, Heslop-Harrison J. 1981.** A study of the scientific information system in the United Kingdom; the report of a study undertaken by the Scientific Information Committee of the Royal Society, under the Chairmanship of J. Heslop-Harrison; p.18. In: *British Library Research & Development Report No. 5626*. 1-44.
- (232) **Heslop-Harrison J. 1982.** Foreword. In: Dodds JH, Roberts LW, eds. *Experiments in Plant Tissue Culture*. Cambridge: Cambridge University Press, vii-viii.
- (233) **Heslop-Harrison J, Heslop-Harrison Y. 1982.** The growth of the grass pollen tube: 1. Characteristics of the polysaccharide particles ("P-particles") associated with apical growth. *Protoplasma* **112**: 71-80.
- (234) **Heslop-Harrison J. 1982.** Pollen-stigma interaction and cross-incompatibility in the grasses. *Science* **215**: 1358-1364.
- (235) **Heslop-Harrison J, Heslop-Harrison Y. 1982.** The specialized cuticles of the receptive surfaces of angiosperm stigmas. In: Cutler DF, Alvin KL, Price CE, eds. *The Plant Cuticle, Linnean Society Symposium No. 10*. London: Academic Press, 99-120.
- (236) **Heslop-Harrison J. 1982.** The reproductive versatility of flowering plants: an over-view. In: Meudt WJ, ed. *Strategies of plant reproduction*. Totowa, N.J.: BARC Symposium No. 6; Allanheld, Osmun & Co., 3-18.

- (237) **Heslop-Harrison J. 1982.** Conservation of habitats and species - do we need to do anything? In: Hudson JP, ed. *Biology, society and choice*. Institute of Biology Charter Symposium, held in 1980, 71-78.
- (238) **Heslop-Harrison J, Heslop-Harrison Y. 1982.** Pollen-stigma interaction in the Leguminosae: constituents of the stylar fluid and stigma secretion of *Trifolium pratense* L. *Ann.Bot.* **49**: 729-735.
- (239) **Heslop-Harrison Y, Heslop-Harrison J. 1982.** Pollen-stigma interaction in the Leguminosae: the secretory system of the style in *Trifolium pratense* L. *Ann.Bot.* **50**: 635-645.
- (240) **Heslop-Harrison Y, Heslop-Harrison J. 1982.** The microfibrillar component of the pollen intine: some structural features. *Ann.Bot.* **50**: 831-842.
- (241) **Shivanna KR, Heslop-Harrison Y, Heslop-Harrison J. 1982.** The pollen-stigma interaction in the grasses. 3. Features of the self-incompatibility response. *Acta Bot.Neerl.* **31**: 307-319.
- (242) **Heslop-Harrison J, Heslop-Harrison Y. 1982.** The pollen-stigma interactions in the grasses. 4. An interpretation of the self-incompatibility response. *Acta Bot.Neerl.* **31**: 429-439.
- (243) **Heslop-Harrison J. 1983.** Self-incompatibility: phenomenology and physiology. *Proc.R.Soc.Lond.B* **218**: 371-395.
- (244) **Heslop-Harrison J, Heslop-Harrison Y. 1983.** Pollen-stigma interaction in the Leguminosae: the organization of the stigma in *Trifolium pratense* L. *Ann.Bot.* **51**: 571-583.
- (245) **Heslop-Harrison J. 1983.** The scientific information systems in the United Kingdom. In: Manten AA, Timman T, eds. *Information policy and scientific research*. Amsterdam: Elsevier, 113-152.
- (246) **Heslop-Harrison J. 1983.** Chromosomes, cladism and the new evolutionary debate. *Kew Chromosome Conference II*, Eds. PE Brandham, MD Bennett, London, G Allen and Unwin, pp 313-322.
- (247) **Shivanna KR, Heslop-Harrison J, Heslop-Harrison Y. 1983.** Heterostyly in *Primula*. 3. Pollen water economy: a factor in the intramorph-incompatibility response. *Protoplasma* **117**: 175-184.
- (248) **Heslop-Harrison J, Heslop-Harrison Y. 1984.** The disposition of gamete and vegetative-cell nuclei in the extending pollen tubes of a grass species, *Alopecurus pratensis* L. *Acta Bot.Neerl.* **33**: 131-134.
- (249) **Heslop-Harrison J, Heslop-Harrison Y, Shivanna KR. 1984.** The evaluation of pollen quality, and a further appraisal of the fluorochromatic (FCR) test procedure. *Theor.Appl.Genet.* **67**: 367-375.
- (250) **Heslop-Harrison J, Heslop-Harrison Y. 1984.** Organisation and function of the angiosperm stigma:some features of significance for plant breeding. *Incompatibilite Pollinique et Amelioration des Plantes* 27-39.
- (251) **Heslop-Harrison J, Heslop-Harrison Y. 1984.** Stigma organisation and the control of fertilisation in *Phaseolus*. In: Reimann-Phillips J, ed. *EUCARPIA Symposium Proceedings on Phaseolus Breeding*. Hamburg: 88-96.

- (252) **Heslop-Harrison Y, Reger BJ, Heslop-Harrison J. 1984.** The pollen-stigma interaction in the grasses. 5. Tissue organisation and cytochemistry of the stigma ("silk") of *Zea mays* L. *Acta Bot.Neerl.* **33**: 81-99.
- (253) **Heslop-Harrison Y, Reger BJ, Heslop-Harrison J. 1984.** The pollen-stigma interaction in the grasses. 6. The stigma ('silk') of *Zea mays* L. as host to the pollens and *Pennisetum americanum* (L.) Leeke. *Acta Bot.Neerl.* **33**: 205-227.
- (254) **Linskens HF, Heslop-Harrison J. 1984.** Eds. *Cellular interactions. Encyclopaedia of Plant Physiology New Series. Volume 17.* Berlin: Springer.
- (255) **Linskens HF, Heslop-Harrison J. 1984.** Introduction. In: Linskens HF, Heslop-Harrison J, eds. *Cellular Interactions. Encyclopedia of Plant Physiology New Series Volume 17.* Berlin: Springer, 1.
- (256) **Heslop-Harrison J, Linskens HF. 1984.** Cellular interaction: a brief conspectus. In: Linskens HF, Heslop-Harrison J, eds. *Cellular Interactions. Encyclopedia of Plant Physiology New Series Volume 17.* Berlin: Springer, 2-17.
- (257) **Heslop-Harrison J, Heslop-Harrison Y. 1985.** Surfaces and secretions in the pollen-stigma interaction: a brief review. In: The Cell Surface in Plant Growth and Development, Eds. K Roberts, AWB Johnston, CW Lloyd, P Shaw, HW Woolhouse, *J.Cell Sci. Suppl.* **2**: 287-300.
- (258) **Heslop-Harrison J, Heslop-Harrison Y. 1985.** Germination of stress-tolerant *Eucalyptus* pollen. *J.Cell Sci.* **73**: 135-157.
- (259) **Heslop-Harrison J, Heslop-Harrison Y. 1985.** The secretory system of the stigma of *Oenothera organensis* Munz: some developmental and quantitative features. *Israeli J.Bot.* **34**: 187-204.
- (260) **Heslop-Harrison J. 1985.** Botanical microscopy: the current state of the art. In: Robards AW, ed. *Botanical Microscopy.* Oxford: Oxford University Press, 1-16.
- (261) **Heslop-Harrison JS, Heslop-Harrison J, Heslop-Harrison Y, Reger BJ. 1985.** The distribution of calcium in the grass pollen tube. *Proc.R.Soc.Lond.B* **225**: 315-327.
- (262) **Heslop-Harrison Y, Reger BJ, Heslop-Harrison J. 1985.** Wide hybridization: pollination of *Zea mays* L. by *Sorghum bicolor* (L.) Moench. *Theor.Appl.Genet.* **70**: 252-258.
- (263) **Heslop-Harrison Y, Heslop-Harrison J, Reger BJ. 1985.** The pollen-stigma interaction in the grasses. 7. Pollen-tube guidance and the regulation of tube number in *Zea mays* L. *Acta Bot.Neerl.* **34**: 193-211.
- (264) **Heslop-Harrison J, Heslop-Harrison Y. 1986.** Pollen tube chemotropism: fact or delusion? In: Cresti M, Dallai R, eds. *Biology of Reproduction and Cell Motility in Plants and Animals.* Italy: University of Siena Press, 169-174.
- (265) **Heslop-Harrison J. 1986.** The insect and the plant surface:a conspectus. In: Juniper B, Southwood R, eds. *Insects and the Plant Surface.* London: Edward Arnold, 333-339.
- (266) **Heslop-Harrison J, Heslop-Harrison JS, Heslop-Harrison Y. 1986.** The compartment of the vegetative nucleus and generative cell in the pollen and pollen tubes of *Helleborus foetidus* L. *Ann.Bot.* **58**: 1-12.

- (267) **Heslop-Harrison J, Heslop-Harrison Y, Cresti M, Tiezzi A, Ciampolini F. 1986.** Actin during pollen germination. *J.Cell Sci.* **86:** 1-8.
- (268) **Heslop-Harrison Y, Heslop-Harrison JS, Heslop-Harrison J. 1986.** Germination of *Corylus avellana* L. pollen: hydration and the function of the oncus. *Acta Bot.Neerl.* **35:** 265-284.
- (269) **Heslop-Harrison J, Heslop-Harrison Y. 1987.** An analysis of gamete and organelle movement in the pollen tube of *Secale cereale* L. *Plant Science* **51:** 203-213.
- (270) **Heslop-Harrison J, Heslop-Harrison Y. 1987.** Pollen-stigma interaction in the grasses. In: Soderstrom TR, Hilu KW, Campbell CS, Barkworth ME, eds. *Grass systematics and evolution.* Washington, D.C.: Smithsonian Institute, 133-142.
- (271) **Heslop-Harrison J. 1987.** Pollen germination and pollen-tube growth. *International Review of Cytology* **107:** 1-78.
- (272) **Heslop-Harrison J, Heslop-Harrison Y, Cresti M, Tiezzi A, Moscatelli A. 1988.** Cytoskeletal elements, cell shaping and movement in the angiosperm pollen tube. *J.Cell Sci.* **91:** 49-60.
- (273) **Heslop-Harrison J. 1988.** The pollen tube: Motility and the cytoskeleton. In: Cresti M, Gori P, Pacini E, eds. *Proceedings of the 10th International Symposium on the Sexual Reproduction in Higher Plants.* Heidelberg: Springer, 195-203.
- (274) **Heslop-Harrison J, Heslop-Harrison Y. 1988.** Some permeability properties of angiosperm pollen grains, pollen tubes and generative cells. *Sex.Plant Reprod.* **1:** 65-73.
- (275) **Heslop-Harrison J, Heslop-Harrison Y. 1988.** Organelle movement and fibrillar elements of the cytoskeleton in the angiosperm pollen tube. *Sex.Plant Reprod.* **1:** 16-24.
- (276) **Heslop-Harrison J, Heslop-Harrison Y. 1988.** Sites of origin of the peripheral microtubule system of the vegetative cell of the angiosperm pollen tube. *Ann.Bot.* **62:** 455-461.
- (277) **Heslop-Harrison J, Heslop-Harrison Y. 1988.** Tubulin and male-gamete interconnections in the pollen tubes of the grass *Alopecurus pratensis*. *Ann.Bot.* **61:** 249-254.
- (278) **Heslop-Harrison J, Heslop-Harrison Y. 1989.** Conformation and movement of the vegetative nucleus of the angiosperm pollen tube: association with the actin cytoskeleton. *J.Cell Sci.* **93:** 299-308.
- (279) **Heslop-Harrison J, Heslop-Harrison Y. 1989.** Myosin associated with the surfaces of organelles, vegetative nuclei and generative cells in angiosperm pollen grains and tubes. *J.Cell Sci.* **94:** 319-325.
- (280) **Heslop-Harrison J, Heslop-Harrison Y. 1989.** Actomyosin and movement in the angiosperm pollen tube: an interpretation of some recent results. *Sex.Plant Reprod.* **2:** 199-207.
- (281) **Heslop-Harrison J, Heslop-Harrison Y. 1989.** Cytochalasin effects on structure and movement in the pollen tube of *Iris*. *Sex.Plant Reprod.* **2:** 27-37.
- (282) **Heslop-Harrison J, Heslop-Harrison Y. 1990.** Dynamic aspects of apical zonation in the angiosperm pollen tube. *Sex.Plant Reprod.* **3:** 187-194.

- (283) **Heslop-Harrison J, Heslop-Harrison Y, Cresti M, Ciampolini F. 1991.** Ultrastructural features of pollen tubes of *Endymion nonscriptus* modified by cytochalasin D. *Sex.Plant Reprod.* **4**: 73-80.
- (284) **Heslop-Harrison J, Heslop-Harrison Y. 1991.** Restoration of movement and apical growth in the angiosperm pollen tube following cytochalasin -induced paralysis. *Phil.Trans.R.Soc.Lond.B* **331**: 225-235.
- (285) **Heslop-Harrison J, Heslop-Harrison Y. 1991.** Structural and functional variation in pollen intines. In: Blackmore S, Barnes SH, eds. *Pollen and Spores*. Oxford: Clarendon Press, 331-343.
- (286) **Heslop-Harrison J, Heslop-Harrison Y. 1991.** The actin cytoskeleton in unfixed pollen tubes following microwave-accelerated DMSO-permeabilisation and TRITC-phalloidin staining. *Sex.Plant Reprod.* **4**: 6-11.
- (287) **Heslop-Harrison J, Heslop-Harrison Y. 1992.** Cyclical transformations of the actin cytoskeleton of hyacinth pollen subjected to recurrent vapour-phase hydration and dehydration. *Biologie Cellulaire* **75**: 245-252.
- (288) **Heslop-Harrison J, Heslop-Harrison Y. 1992.** Intracellular motility, the actin cytoskeleton and germinability in the pollen of wheat (*Triticum aestivum* L.). *Sex.Plant Reprod.* **5**: 247-255.
- (289) **Heslop-Harrison Y, Heslop-Harrison J. 1992.** Germination of monocolpate angiosperm pollen: evolution of the actin cytoskeleton and wall during hydration, activation and tube emergence. *Ann.Bot.* **69**: 385-394.
- (290) **Heslop-Harrison J, Heslop-Harrison Y. 1992.** Germination of monocolpate angiosperm pollen: effects of inhibitory factors and the Ca²⁺-channel blocker, nifedipine. *Ann.Bot.* **69**: 395-403.
- (291) **Heslop-Harrison J, Heslop-Harrison Y. 1993.** Ecology of cereal pollen. *Institute for Grassland and Environmental Research 1992 Report*: 28-29.
- (292) **Heslop-Harrison J, Heslop-Harrison Y. 1993.** Vapour phase activation, intracellular motility and germination in the triplicate pollen of *Epilobium angustifolium*. *Bot Acta* **106**: 331-337.
- (293) **Heslop-Harrison J, Heslop-Harrison Y. 1993.** Pollen and pollen-tube physiology: myths and legends. *J.Exp.Bot.* **44S**: 8.
- (294) **Heslop-Harrison J. 1994.** Introduction: where do we go from here? In: Scott RJ, Stead AD, eds. *Molecular and Cellular Aspects of Plant Reproduction Society for Experimental Biology Seminar Series 55*. Cambridge University Press, 1-7.
- (295) **Heslop-Harrison J, Heslop-Harrison Y. 1994.** Intracellular movement and pollen physiology: progress and prospects. In: Scott RJ, Stead AD, eds. *Molecular and Cellular Aspects of Plant Reproduction Society for Experimental Biology Seminar Series 55*. Cambridge: Cambridge University Press, 191-201.
- (296) **Heslop-Harrison J. 1995.** Eric Ashby, Baron Ashby, of Brandon, Suffolk, Kt. 24 August 1904 - 22 October 1992. Elected F.R.S. 1963. *Biographical Memoirs of Fellows of the Royal Society* **41**: 1-18.
- (297) **Heslop-Harrison J, Heslop-Harrison Y. 1996.** Microtubules and the positioning of the vegetative nucleus and generative cell in the angiosperm pollen tube: a quantitative study. *Proc.Roy.Soc.Lond.B* **263**: 1299-1304.

- (298) **Heslop-Harrison J, Heslop-Harrison Y, Heslop-Harrison JS. 1997.** Motility in ungerminated grass pollen: association of myosin with polysaccharide-containing wall-precursor bodies (P-particles). *Sex.Plant Reprod.* **10**: 65-66.
- (299) **Heslop-Harrison J, Heslop-Harrison Y. 1997.** Intracellular motility and the evolution of the actin cytoskeleton during development of the male gametophyte of wheat (*Triticum aestivum* L.). *Phil Trans R Soc Lond B* **352**: 1985-1993.
- (300) **Heslop-Harrison J. 1998.** Pollen biotechnology for crop production and improvement. Essay review on book by K.R. Shivanna and V.K. Sawhney. *Ann.Bot.* **81**: 681-685.
- (301) **Heslop-Harrison J, Heslop-Harrison JS, Heslop-Harrison Y. 1999.** The structure and prophylactic role of the angiosperm embryo sac and its associated tissues: *Zea mays* as a model. *Protoplasma* **209**: 256-272.