

GB 0440 Harland Collection

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## HARLAND COLLECTION

### File 1: Senecio.

Senecio Cultures, 1954. TS 5ff.

Expt. 85. Squalidus incompatibility results. TS 9ff.

Senecio lautus or Senecio inaequidens. TS 2ff. 1919 ( 2copies)

Letter from W. F. Bewley, Director, Cheshunt Exp. Station, to Miss A. R. H. Jackson, 22.1.53.

W. H. Read. Laboratory report concerning insecticides for the control of leaf miners. TS 1f.

Letter from A. R. H. Jackson to W. F. Bewley, 12.1.53.

Letter from J. E. Lousley to A. R. H. Jackson, 18.10.53.

Letter from A. R. H. Jackson to J. E. Lousley, 19.2.54.

Letters from A. R. H. Jackson to J. E. Lousley, 25.1.54, 22.2.54.

Notes: "Dwarf strap." 9ff. HW.

Genetics of *Senecio vulgaris* L. TS 3ff.

Phillips, R. A. The cork groundsel. 1898. TS 2ff.

Burbidge, F. W. A hybrid groundsel. 1897. TS 2ff.

Haskell, G. Adaptation and the breeding system in groundsel ( *Senecio vulgaris* ). 1953. TS 1f.

"The experimental method in the species problem." TS 7ff.

"Experiments 1 to 7." The inheritance of strap. TS 3ff.

"Report on toxic soil and the cultures lost." TS 4ff.

"The naturally occurring polyploid in Flintshire." TS 1f.

Summary of Senecio work, Summer 1953. 26.8.53. TS 2ff.

Summary of experiments at present being carried out, 4.9.53. TS 3ff.

Letter from E. M. Rosser to SCH. 4.10.56.

Photocopies of pages in German on Senecio, pp. 727-795

Experiments with Senecio, 1952. 6ff.

Jackson, A. R. H. Report 1: Senecio research. 4.5.53.

END OF SENEICIO FILE

## File 2.

Lecture: "Twins", given to the Biological Society. TS 5ff.

Notes on lectures by: Roberts, J. A. F. "Resemblances in intelligence between sibs selected from a complete sample of an urban population." Proceedings of the VII International Genetical Congress - abstracts 257, p. 252, and: Macklin, M. T. An analysis of tumours in monozygous and dizygous....  
Ibid., 201. TS 2ff.

Seeman, E. and Sandek, R. "The self-expression of identical twins in handwriting and drawing." Character and Personality I : 91. notes. HW 6pp.

Notes on papers on Floral Biology, arranged by plant, e.g. Avocado, coconut, cotton, etc. HW 7ff.

"Colchipoity treatment grapes." - notes. HW 2ff.

"Leningrad. The Institute of Plant Industry." TS 2ff.

Abstracts of papers:

Gilles, A. & Randolph, L. F. Reduction of quadrivalent frequency in autotetraploid maize during a period of ten years. Amer. J. Bot. 38: 12-17. 1951.

So, M., et al. A linkage group in barley. J. Sci. Agric. Soc., 1919, 208: 61.

So, M. On the inheritance of variegation of barley. Jap. J. Genetics., 1921, 1: 21.

Lewis, D. Physiology of incompatibility in plants. III. J. Genet. 1943, 45: 171.

Yarnell, S. H. A study of certain polyploid and aneuploid forms in *Fragaria*. Genetics, 1931, 16: 455-489. TS 1f.

Lecture 2. 2nd year Genetics. 11.10.56. TS 1f.

Genetics Lecture 1. 25.4.56. Medical and Dental Students.

Harland, S. C. Review of: Hudson, J. P., ed. Control of the plant environment. Proc. Univ. Nottingham 4th Easter School in Agricultural Science, 1957. New Scientist, 1958, Jan. 16, p.30.

Letters from: A. J. Bockholt, A. Manwiller, E. S. Horner & D. L. Thompson to S. C. Harland. Feb. 1958. TS 4ff.

Review of C. D. Darlington's "The Facts of Life." TS 4ff. 20.10.53. unsigned and a note: "copy for Prof. S. C. Harland."

"Lathyrus - suggestion for further work." HW 1f.

"Heterosis & excised roots." TS 4ff.

Schiemann, Elisabeth. Open questions in the genus *Fragaria*. TS 1f.

Extract from "L'Hérédité" by E. Guvenot. pp. 345-7. TS 4ff.

### **File 3.**

"Genetical studies in the Genus *Fragaria*." ms. of a book/paper, including a note from S. C. Harland, 25.8.56, to the author Edna ----- TS 130ff.

### **File 4.**

Two abstracts from *Drosophila* Information Service, 1952.

"When first grown in the tropics of Asia & Africa, cacao was transported without its characteristic pests & diseases. . ." ms. ff. 2-45. TS.

"Lecture given to 2nd and 3rd year students 12th May 1955, by S. C. Harland. "Introduction to Plant Breeding." TS 1f.

"Questions on: self-incompatibility, floral biology, hybridization, varieties, genetics, physiology." notes. HW 5ff.

Espinasse, P. "On the logical geography of Neo-Mendelism." *Mind*, 15:75. (1956). HW 2pp.

Memorandum: "The Breeding of Cacao." imperfect ms. 31ff. TS & HW.

Chapter 4. On the average - notes. HW 1f.

"Translation Serra Chapter 16:" Heredity of metrical characters. (imperfect). TS 2ff.

Notes of statistics. 4ff. TS & HW.

Inheritance on corolla length. East 1915. HW 1F.

"Heredity & Environment" - notes. 11ff. HW.

"Trollope. An autobiography" - excerpt. TS 1F.

Diary (?): 2ff from diary. TS.

**File 5.**

Ms. of a book (?) 123ff. TS.

Chapter 4: Variation, Adaptation, Acclimatization. bibliography.

Centres of Origin and Diversity. Next part headed: "Vol. 2 D330."

Chapter 9. Methodology. Ch. 9-1. The pure line. Literature. Ch. 9-2 Mass selectin. Literature and chapter. Ch. 9-3. Single plant selection. Mass Pedigree Selection. Ch. 9-4. Literature. Pair crossing, and Ch. 9-9. Literature. Synthetics, and chapter. 9B-floral biology. Ch. 10. Hybrid vigour & its exploitation. Maize X. Maize - a present day breeding programme. Ch. 10-4. The evaluation of inbreds. Ch. 11. Breeding of self-fertilised crops. Ch. -. The pure line. Ch.12. Cross-fertilised crops. Ch. 12-3 Brassicas. Genetics of Self-Incompatibility. Alfafa - Contents, Literature. Ch. 12-5 Alfalfa. Ch. 12-2. Sugar Beet. Ch. 13. Breeding of crops: partly selfed, partly crossed. Ch. 20. Plant introduction. Ch. 21. Miscellaneous crops - vegetables. Ch. 23. Fruit trees. Ch. 24. Seed growing. Ch. 25. The collection and maintenance of breeding material. Ch. 26. Breeding - Organization of.

Wallen: Maize (Introduction). 32ff. TS.

Index. (? Plant Breeding Abstracts). HW 8ff.

"Aids II" (on blank sheet).

Memo to Miss Wyle, signed S. C. Harland. TS 2FF.

## **File 6: PERU COTTON DATA.**

Table 1: Characters of the parents (269) of progeny rows of 1943-44.

Table 2: Frequency arrays of lint length (bulk samples of 25 combed seeds).

Table 4: Strains of 1943-44. Frequency arrays of ginning % (bulk samples) of strains 41mm. & over.

The selection experiment with Tanguis Cotton. Part 2. Season 1943-44.

Table 2: Ginning % of strains above 41 mm. mean max bulk.

Table 2: Strains of 1943-44. Frequency arrays of lint length. . .

Table 5: Strains of 1943-1944. Yield of seed cotton per plant of strains which passed tests for lint length & ginning %.

Notes para recorder sobre los Experimentos. (In Spanish). ts. 2ff.

Informe sobre el estado actual de la marcha de los experimentos en el Instituto de Genetica. (In Spanish). ts. 3ff.

Table 7: Strains of 1943-44. Lint length of bulk samples compared with single plants. . .

Table 11: Characters of parents of progeny rows of 1945-46.

Table 12: Characters of the parents of progeny rows of 1945-46.

Table 13: Strains of 1945-46; Frequency arrays of lint length. . .

Repetitions Callao-Soca 1945-46. hw. 15ff. Single plants. tabs. HW 15ff.

Table 14: Strains of 1945-46; Frequency arrays of lint length. . .

Season 1945-46. Final selections for the multiplication of S. N. A. 246. TS. 1F.

Table 15: Strains of 1945-46; Frequency arrays for ginning % (bulk samples) mean of 3 repetitions, first year plants.

Table 16: (as above (second year plants)).

Table 18: Strains of 1945-46. From 2 year plants. Yield of seed cotton per plant.

Table 23: Condition of original wilt resistant plants.

Table 19: Strains of 1945-46, from 1-year plants. Susceptibility to wilt. . .

Table 20: Strains of 1945-46. . . susceptibility to wilt - % wilt free from wilt.

Table 21: 46/ selections - order of last number, plants left free from wilt.

Table 13: Frequency array of lint length 1945-46.

Table 14: Frequency array of lint length (mean max.) Soca Group, 1945-46.

**File 6: PERU COTTON DATA (continued)**

Table 17: Frequency array field Calloa Season 1945-46. . .

Table 18: Frequency array yield Calleo Soca 1945-46.

Table 2: Results of progeny rows of 1943-44 for mean max. lint length.

Table 16: Frequency array ginning % 1945-46.

Table 17: Frequency array yield, 1945-46

Table 24: Frequency array lint index.

Table 25: Frequency array seed wt. Calleo Season 1942-43.

Table 29: 45/nos. to form S. N. A. 247. 1947-48.

Table 3: Frequency array - L/L mm. of selected families. Season 1944.

Table 3: Season 1943-44. Frequency arrays for mean max. lint length. . .

Table 26: Characters of the plants for progeny rows of 1943-44.

Yield of 46/cultures. First picking. . .

SNA 247 Calleo Planting Season 1947-1948.

Table 18: Frequency array yield Calleo Soca, 1945-46.

Table 6: The elite lines composing the 3rd wave of improved seed.

## File 7: R. H. Kruger.

Letters written by S. C. Harland or Mrs. Harland, addressed from:

Correo Nana, Carretera Central, Kilometer 22, Lima, Peru, to: Erasmus, (their son), Ruth and Jane, dated:

7. 10.-,	5. 3. 65 (from Mrs. Harland)
1. 8.-, (from Mrs. Harland).	5. 3. 65 (from S. C. Harland)
n. d. (to Ruth, from Mrs. Harland).	15. 3. 65
n. d. (from S. C. Harland).	30. 3. 65
1. 6. 64	6. 4. 65 (from Mrs. Harland)
22. 7. 64 & 28. 7. 64	14. 4. 65 & 30. 4. 65
4. 9. 64	7. 5. 65 (from Mrs. Harland)
18. 9. 64	26. 5. 65
19. 9. 64	31. 5. 65
30. 9. 64	4. 6. 65 (from Mrs. Harland)
26. 10. 64 & 14. 11. 64	4. 6. 65 (from S. C. Harland)
18. 11. 64	9. 6. 65 (from Mrs. Harland)
4. 12. 64	18. 6. 65
1. 1. 65	22. 6. 65 (2 letters)
16. 1. 65	2. 8. 65 (from Mrs. Harland)
24. 1. 65 (from Mrs. Harland)	2. 8. 65 (from Mrs. Harland)
29. 1. 65 (from Mrs. Harland)	27. 8. 65
30. 1. 65 (from Mrs. Harland)	25. 9. 65
16. 2. 65	
17. 2. 65 (from Mrs. Harland)	

Letter from: Ranjit S. Chaibber (?) of Sapra Studio, P. O. Box 5882, Nairobi, to Dr, P. S. E. G. Harland, P. O. Box 351, Kampala.

Letter from: Arthur & Marguerite to Erasmus & Ruth Harland. 7. 12. 64.

Letter from: L. G. Cavadas (Brazilian Embassy, Accra) to Erasmus Harland, 6. 8. 64.



**File 7 : R. H. Kruger (continued)**

Letters from Erasmus to Nigel: 10. 2. 65, 24. 11. 64 & 28. 5. 65 (last 2 from Dept. Anthropology, University College London, Gower Street, WC1).

Letter to Erasmus and Ruth from Gill and Piers: 12, Highsett Hills Rd., Cambridge. June 19th.

Letter from Piers Recordon: 27, Abbey Road, Cambridge, to Erasmus. 27. 10. 64, & from Glebe Cottage, Grantchester, Cambridge. 20. 3. 65 & 9. 8. 64.

Letter to Erasmus & Ruth from Mrs. J. M. Hadley: 71 Strand-on-the-Green, Chiswick. 27. 5. 65.

Letters to Erasmus from Ronnie MacKeith: 35, Bloomfield Terrace. SW1. 16. 4. 65, 15. 6. 65, 10. 2. 65 & Guy's Hospital, 25. 7. 64.

Letter to Ruth and Erasmus from Mrs. E. Large: Clennells, Herbottle, Morpeth, Northumberland. 2. 6. 65 & 12. 2. 65.

Letter to Erasmus from E. R. Asiedu: (Nutrition Unit, Accra Clinical ?)

Letter from Helen: PO Box 855, Port of Spain, Trinidad, West Indies to Ruth and Erasmus. 23. 4. 65.

Letter from N. E. Pitts: to Erasmus Harland, written from Organon Laboratories, Crown House, London Rd, Morden, Surrey. 9. 9. 64.

Letter from Joan Caddell.: not dated - another from New Mulago, Aug. 27, to Erasmus.

Letter from Julian: - - - fragment of a long letter), to S. C. Harland: 15. 2. 65. written from C/D Cultural Attache, British Embassy, Kas r el Donbara, Cairo, UAR. Other letters: 26. 3. 65. & 29. 8. 64.

Letter from Mr. John Achiev ?: to Dr. Harland from Medical Dept., PO Box 2, Tororo. 2. 10. 64, another note - n.d.

Letter from - - - Rowell: c/o Queen's College, Cambridge, to Harlands 21. 5. 65 & 22. 5. 65.

Letter from J. W. Eccles: Uganda Bookshop, Box 145, Kampala, Uganda to E. Harland, 10. 8. 64.

Letters from Mallory Wober: PMB 4001, A. T. & P., Sapele, Mid-West, Nigeria. 10. 2. 65 & another not dated from London, and another to S. C. Harland, from Dept of Social Anthropology, 3 & 4 Buccleuch Place, Edinburgh 8. 2. 10. 64.

Letter from Wallace Fox: to Erasmus, from Tuberculosis Research Unit, MRC Laboratories, Holly Hill, Hampstead NW3.

Questionnaire - African Language Idioms: TS 2pp. Filled in by S. C. Harland.

Letter from Olga: c/o Correo Nana, Carrera Central km 22, Lima, to Erasmus and Ruth. 30. 11. 64.

Postcard from Peggy: M. Levery (?) English Dept., Western Illinois University, Illinois, to Erasmus and Helen. 20. 8. 67.

Letter from Oswald H. Harland: to Erasmus and Ruth from 52, Spofforth Hill, Wetherby, Yorks. 30. 12. 64.

**File 7 : R. H. Kruger (continued)**

Letter from Anne: Nagongera, as from: Tovoro D. F. I. PO Box. 37. 4. 3. 65, to Ruth and Erasmus.

Letter from J. Poole: ( Gordon & Gotch Ltd., 75-79 Farringdon St. EC4) to Erasmus. 4. 8. 64.

Letter from Margaret - - - : (Windham Center, S. Windham, Maine) to Erasmus. 8. 4. 65.

Letter from G. Murray Short: (New Mulago Hospital, PO Box. 351, Kampala, Uganda) to Erasmus. 18. 4. 64.

Letter from Margaret - - - : to S. C. Harland. 26. 6. 64 (address as above).

Letter from Shirley Penrose: (1, Roxborough (?) Rd., London NW11) to Erasmus.

Letter from Dave - - - : (1, Garden Court, Oaklands Rd., Bromley, Kent) to S. C. Harland. 18. 11. 64.

Letter from Fletcher Linn (?): (Bone Disease Survey, c/o Dept. of Surgery, PO Box. 2072, Kampala, Uganda) to Erasmus. 17. 9. 63.

Letter from M. Morton: (Royal Society of Medicine, 1, Wimpole St. London W1, to Erasmus. 23. 4. 64.

Letter from Richard - - - : (Dept of Psychology, University of Exeter, Gandy St.) to Erasmus. 22. 6. 65.

**File 8.**

Harland, S. C. : Notes, various: sex inheritance, species hybrids, X-radiation: variation, potato.

Extract from: First Southern Corn Improvement Conference . . . New Orleans. 24. 11. 1939. P 35. "Suggested uniform policy for the release and distribution of inbred lines of corn." TS 1f.

"Notes on the Cheshunt Station." TS 3ff.

"List of salts taken from International Critical Tables, vol. 1." G. Kimber. 5. 3. 56. TS 2ff.

"Tomato pathological material." Signed D. Park. TS 1f.

Pedigree: "Fig. 1: The relationship between various Brassica sp. TS 1f.

**File 9.**

Pages from Periodicals:

Summer meeting of American Association for the Advancement of Science in 1933. Science, 1931, vol 74, no. 1912.

Scientific apparatus & laboratory methods. Science, 1931, 74: 204.

Ditto, Science, 1930, 72:398.

Bridges, C. B. Haploid Drosophila & the theory of gene balance. Science, 1930, 72:405-406.

Nature: pages 1948-1954. Complete issues of Nature, Supp. 28. 8. 48 & vol 162, no 4116, 18. 9. 48.

## File 10.

Eigsti, O. J. Literature on colchicine. 1946. ( March ). TS 47ff.

## One Black Ring-Binder.

Containing:

S. C. Harland's notes: "Choice of varieties;" " Local Adaptability," "Black Spot", "Varieties said to be immune or nearly so in England" - 16. 1. 34, "Insect Pests," "Methods of Propagation," " Things for discussion," "Sports", "Maize - use of double crossed seed. Leake, p. 248", "Maize references," "Elaborated Index", "Forecasting the cotton crop," "Business reports," "Plan for colchicine."

## Folder: Correspondence. 1955.

5. 5. 73 - invoice to Mr. Harland from F. C. Searle & Co. for electrical work.

Wallet of filmstrips, depicting scenes in: hospital, streets, theatre, garden, market, church, lecture-hall, notes "Examples of Micro-organisms," tennis court, athletics, plants in bottles, woodlands, policemen, flower-show, piano.

25. 10. 55 - Letter from R. Sankaran: to S. C. Harland.

12. 2. 55 - copy of a letter from U. D. Rajulu (?) to S. C. Harland.

25. 10. 55 - Letter from R. Sankaran: to S. C. Harland.

?25. 10. 55 - memo to R. Sankaran from S. C. Harland concerning "Intensive exploitation of wild species of cotton for transferring useful genes to the cultivated varieties." TS 2pp.

1. 4. 1955 - copy of a letter from the Director of Agriculture, Chepauk, Madras, to the Secretary to the Government Agricultural Dept., Fort St, George, Madras. 4pp.

15. 6. 55 - Letter from R. Sankaran to S. C. Harland.

Draft proceedings of the informal meeting held on 27. 4. 55 with Dr. S. C. Harland & other people interested in the development of cotton cultivation in India. TS 6pp.

Letter from R. H. Dastur to SCH and "Some suggestions for implementing recommendations of Dr. S. C. Harland for Cotton Physiological Research." TS 8ff. (Letter dated 2. 9. 55).

Letter from Asst. Secretary, Indian Central Cotton Committee to SCH. Dated 23. 7. 55.

Letter from SCH to Dr. Sankaran (from the Dept. of Botany, University of Manchester, 14. 6. 55).

Letter from the Secretary, Indian Central Cotton Committee to SCH, 7. 6. 55.

Copy of a letter from the Technical Officer, Indian Central Cotton Committee, to SCH. 27. 4. 55.

Copy of a letter from the Deputy Secretary to the Government Agricultural Department, Fort St. George, Madras, to the Secretary, ICCC. 19. 4. 55.

Copy of a letter from Director of Agriculture, Chepauk, Madras, to the Secretary of the Government Agricultural Department, Fort St. George, Madras: " I submit the following remarks on the views of S. C. Harland . . ." 1. 4. 55.

Letter from SCH to Dr. Sankaran. 14. 6. 55. TS, and from Sankaran to SCH 7. 6. 55.

### **Folder: Correspondence, 1955 (contd.)**

Copy of letter from Deputy Secretary, ICCC, to SCH, 1. 6. 55.

Copy of letter from Asst. Secretary ICCC, to SCH, 12. 2. 55.

Letter from SCH to R. Sankaran and Bhola Nath, 13. 9. 55.

Letter from SCH to P. D. Nair, 22. 8. 55.

Letter from Deputy Sec. ICCC to SCH, 1. 6. 55.

Copy of letter from Asst. Secretary ICCC to SCH, 12. 2. 55.

Letter from Deputy Secretary, ICCC to SCH, 7. 6. 55.

Copy of letter from Deputy Secretary, ICCC to SCH, 16. 5. 55.

Letter from P. D. Nair to SCH, 6. 8. 55.

Letter from Deputy Secretary, ICCC to SCH, 16. 5. 55.

Letter from R. Sankaran to SCH, 27. 8. 55.

Letter from R. Sankaran to SCH, 7. 9. 55.

### **Manuscript entitled: "Index to Course 1953 to 1954."**

Lectures 1-22. Lecture 1:1. 10. 53; Lecture 2: 8. 10. 53; Lecture 3: 15. 10. 53; Lecture 4: 22. 10. 53; Lecture 5: 29. 10. 53; Lecture 6: 5. 11. 53; Lecture 7: 12. 11. 53; Lecture 8: 19. 11. 53; Lecture 9: 26. 11. 53; Lecture 10: 3. 12. 53; Lecture 11: 14. 1. 54; Lecture 12: 21. 1. 54; Lecture 13: 28. 1. 54; Lecture 14: 4. 2. 54; Lecture 15: 11. 2. 54; Lecture 16: 17. 2. 54; Lecture 17: no notes available; Lecture 18: 4. 3. 54; Lecture 19: 11. 3. 54; Lecture 20: 30. 4. 54; Lecture 21: 7. 5. 54; Lecture 22: 13. 5. 54. TS 144ff.

### **Documents labelled: Lectures, correspondence, etc. Sept. 1985**

One hardback notebook: Copies of letters from S. C. Harland to: Dr. Carmargo, 25. 11. 35, 11. 11. 35.

Another letter to "Sir", 22. 11. 35.

"Statement of Dr. S. C. Harland" (covers his work and career, problems with work and colleagues). 26ff.

Letter from SCH to "Sirs", 24. 2. 36.

Letter from SCH to: Messrs. Kenneth Brown Baker Baker (sic), Essex House, Essex St., London WC2, written from: Instituto Agronomico, Campinas, Sao Paulo, Brazil.

Letter from SCH to Bank Manager, Port of Spain, 3. 12. 35.

Ferwerda, F. P. 1934. The vegetative propagation of cocoa. Emp. J. Exp. Agr. 2: 189-199, and notes on this paper.

Cheesman, E. E. The vegetative propagation of cocoa. Emp. J. Exp. Agr. 2: 40-50, also notes.

## Documents labelled: Lectures, correspondence, etc. Sept. 1985

Shirley Institute. Notes on Nigerian samples, Barbados 1934-1935, Fiji 1933-1934, Uganda 1933-1934, Western Province Samples, Eastern Province Samples.

Egyptian Cotton Research Board 1934 crop. Notes, tables. 70pp.

East, E. M. 1910-11. Notes on papers by E. M. East.

Spinning tests: Sudan samples 1933-1934 crop.

Botanical memoirs no. 2. Gossypium in pre-Linnean literature. H. J. Denham. Oxford University Press, 1919. Literature of the period: bibliography.

"Gossypium in Pre-Linnean Literature." (Paper). Balliol College, June 1919. 35 pp.

Notes on the Portuguese language. (p. 115-116).

"The evidence of Rosie Mahomed (alias Moonie)." (Statement). (p. 118).

Notes on Hagedoorn's hypothesis on genes. (p. 169).

Hagedoorn, A. L. and Hagedoorn, A. C. "The relative values of the processes causing evolution." 1921. notes.

Portuguese text with notes on translation. (p. 173-174).

"Books wanted" - (2 items. p. 177).

Notes on paper and cotton. (p. 179).

Method of preparing nutrient solutions. (p. 180).

"The Philosophy of Cotton Breeding." (p. 181).

**END OF HARDBACK NOTEBOOK**

## **Registrador "Livro Azul": contents.**

Competition of varieties. 27. 5. 38. 3ff. HW & TS. tables.

"Campo de Competição. Campinas. Fazenda Santa Elisa." Julio Cesar Medina. 19. 5. 38.

Curvo de frecuencia do peso de algodao limpo, em grs., colhido semanalmente. 20. 5. 38. TS. tables.

Contagun de Broca no ensaio de Variedades de fazenda Santa Elisa. HW. 2ff. tables.

Quadro do ataque de Broca no Ensaio de variedades em per cento. 17. 12. 37. 1f. HW. table.

Campinas Campo II Broca. 20. 12. 37. 3ff. HW. tables.

Contagun de Broca no Ensaio de variedades da fazenda Santa Elisa. 17. 12. 37. 2ff. HW. tables.

Campinas Camp I. Broca. 17. 12. 37. 3ff. HW. tables.

Resumo semanal da floracao. Campo I. "Competição de variedades." tables. 18. 4. 38. 2ff. TS.

Campinas Campo I. Geral. tables. 14. 12. 37. 4ff. TS.

Analysis of Germination experiment I. tables. 3ff. HW & TS.

Campinas. Campo I. Mancha angular nas Cotyledones. tables. 15. 12. 37. 7ff. TS & HW.

Campesos-Field II. Angular Spot Resistance in cotyledon. tables. 15. 12. 37. 4ff. HW.

Competição de Variedades. Distribuição de Mancha Angular. Fazenda Sta. Elisa-Campinas. tables. 13. 12. 37. 2ff. TS.

Experiencia de variedades em Campinas (S. Eliza). tables. 2ff. HW.

Competição de variedades, Colheita, Campinas. tables. 30. 3. 38. TS & HW.

Ensaio de variedades. 13. 5. 38. 1f. TS.

Instituto Agronomico do Estado de S. Paulo em Campinas. "Competição de variedades. Calculo de lagodar en croco, por linhos, colunas e variedades. J. G. Medinos. tables. 2ff. HW.

Experiencia de variedades Pui dorem. tables. 2ff. HW.

Distribuição de Mancha Angular nas Folhas cotyledonares – Campo II. tables. 16. 2. 38. 9ff. TS.

Competição de variedades. Distribuição de Mancha Angular. Ribeirão Preto. tables. 17. 12. 37. 4ff. HW.

Notes: " If 2 is significant-" (instructions) on headed notepaper: Instituto Agronomico do Estado de S. Paulo. Caixa Postal no. 28. Campinas. – Brasil.

Dados. 5 grupos de 10 talhões cada (ao acaso). 2. 2. 38. 2ff. TS.

Instruccoes para a colheita das competições de variedades. 2. 3. 38. 1f. TS.

## Registrador "Livro Azul": contents (contd.).

Letter from I. Ramos (Campinas, 5. 3. 38) to S. C. Harland. 1f. TS.

Plano de experiencia de variedades-catalogue card, tables. TS.

Summary of Gatooma strains. 1 table. 1936-9. 2ff. HW.

Gatooma: original single plants of '36 cultures. Ginning percentage. 1 table. 24. 11. 38. 1f. TS.

Curva de frequencia da Percentagem de -bra- resultados obtidos em 100 sementes. 1 table. 8. 5. 37, 17. 5. 37. 1f. TS.

Table 3. Correlation - ginning %. Gatooma. 1 table. 1f. 24. 11. 38. HW.

Homologous genes in the Wild North American Cottons (*G. trilobum* and *G. aridum*) and in cultivated cottons (*G. barbadense* L.), by S. C. Harland. (Instituto Agronomico Estado de Sao Paulo). 4ff. TS.

The hybridisation of *G. Kirkii* with other species of *Gossypium*. 2ff. TS.

Annual report for 1936-37. 11ff. TS & HW.

Relatorio dos ensaios plantados em Mattao. Julio Cesar Medina. 19. 11. 38. 3ff. TS.

Frequency arrays for weight of S. C. per boll. 9. 11. 38. 8ff. TS.

Note on ginning & 36 cultures. 24. 11. 38. 1f. TS.

Cultures of 1938. American varieties. 6. 12. 38. 1f. TS.

Ginning %, (also some drawings). 24. 11. 38. 9ff. TS & HW.

Relatorio annual. Media de chuva, correspondente annos. Ribeirao Preto. 3ff. TS.

Distribuicao Geografica de Ramulose do Algodoeiro por Municipios do Estado de Sao Paulo. 1936-38. 1f. Maps.

Camp Geral - Pindorama 1939. 7ff. TS.

Lecture 1. "I have felt it advisable to give a number of lectures on cotton, first because of its extreme importance...." English & Portuguese ? by S. C. Harland. 19ff. TS.

Lecture 11. "In my last lecture I began to discuss commercial types..." English & Portuguese by S. C. Harland. 12ff. TS.

Lecture 111. "In the 2<sup>nd</sup> lecture I gave you a short account of the cytological work..." English & Portuguese by S. C. Harland. 14. 10. 36. 12ff. TS.

Lecture 1V. "In my last lecture I was talking about the problem of local..." English & Portuguese by S. C. Harland. 12ff. TS.

Lecture V. "In my last lecture I promised to discuss the question..." English by S. C. Harland. 11ff. TS.

Texas & Express: General characters. 25. 10. 38. 1f. TS.

ECGC : display for an exhibition. 1 b. & w. photo. 14 x 19 cm.



## **Registrador "Livro Azul": contents (contd.).**

Abstracts of papers. 17 record cards. 1924, 1927-29. TS.

" This paper summarises the genetical information available concerning the mode of inheritance of variations in the amount and distribution of the seed fuzz in the genus *Gossypium*..." (Paper). 8. 10. 38. 5ff. TS.

Nos. de Cultura selecionados para 1939. 10. 10. 38. 9ff. TS & HW.

Curva de frequencia da media do comprimento medio-maximo da fibra, em 25 sementes. 25. 8. 36. 9ff. TS.

Curva de frequencia da media do comprimento medio-maximo da fibra, em mm. (82). 11ff. TS.

Curva de frequencia do comprimento medio-maximo da fibra. 17. 6. 36. 3ff. TS.

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Frequency array 12. 8. 36 (Curva de frequencia), 1936-7. 32ff. TS.

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Curva de frequencia: do comprimento medio-maximo da fibra. 31. 8. 37.

Correlation. Lint index & no. of bolls per plant. 14. 9. 37. 16ff. TS.

Curva de frequencia do peso medio da fibra de uma semente .... 7. 6. 37. 12ff. TS.

Curva de frequencia do Indice de Fibra. 1936-37. 19ff. TS.

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Grupo 37/121. Dec. 1938. 21ff. TS.

Grupo 37/59. Strains of 1938. Selected for ginning. %. 22ff. TS.

37/61 strain, 37/64, 37/66, 37/75, 37/80, 37/101, 37/117, 37/119, 37/125, 37/150, 37/160, 37/163, 37/166, 37/168, 37/172, 37/175, 37/176, 37/180, 37/181.

Instituto Agronomico do Estado de S. Paulo em Campinas, Ensaio U4/4 Barbiton, 052 Barbiton, 920 Barbiton, 955R Barbiton, 921 Barbiton, 921 Barbiton. 15. 12. 38. 8ff. TS & HW.

Selections of Delfos for % fibre. 1. 4. 38. 11ff. TS & HW.

Grupo 37/2-26. 9. 38, 37/16-21. 11. 38, 37/17-22. 11. 38, 37/28, 37/32, 37/37, 37/46: tables of no. of bolls, weight of bolls, of fibre, of seed, etc. TS & HW.

Americanas (tables as above). 9. 9. 38. 12ff. TS.

Evelyn, Stanley H. "Preliminary investigations into the relation between node numbers in Sea Island Cottons and Yield - expressed in terms of main axis bolls." 11f. TS.

American Variety 37/2- '38 progenies, 7. 12. 38; Experiments with lint per plant, 25. 10. 38. 2ff.

Busck, August. " The pink bollworm, *Pectinophora gossypiella*." n.d. (post 1917). 52ff, includes plates. TS.

### **Notebooks, quarto size.**

Accession and miscellaneous sowing book.

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Fragaria: List of books and condensed records.

Fragaria, cultures, 51/57 - 51/106, also all type nps. - F3.

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General notes - July 1953.

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- Vol. 4, 1927/8. Description of cottons. "Plant Data 1926-."
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Lecture 4.	"Species Problems." 15. 5. 53. 6pp. TS.
Final Lecture.	19. 5. 50. 7pp. TS. (2 copies).
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Genetics and Personality.	n.d. 14pp. TSC, last page HW, much corrected.
Lecture 5.	(Reversion). 17pp. HW.
Lecture 9.	17. 3. 50. 17pp. TS. (2 copies).
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- Moore, C. N. & Haskins, C. P. X-Ray induced modifications of flower colour in the *Petunia*, abstract. J. Hered., 1935, 26:351. 2pp. TSC & TS. (2 copies).

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