

Box List: Gilbert P. Waldbauer Papers
Entomology, UIUC
ID: 15/8/28

Arrangement:
Series 1: Research-related Papers, 1953-2007
Series 2: Publications, 1964-1993

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Series 1: Research-related Papers, 1953-2007

This series consists of professional correspondence, research grant applications, and secondary literature, as well as unpublished talks and lectures. This series also contains two folders of biographical materials, including several CVs and an undated memoir about Waldbauer's services as honor guard for General Douglas MacArthur. The series is organized alphabetically, listing the biographical folders at the beginning.

Box 1

1. [Biographical file], 1953-2006
2. Memoir [partial], undated
3. [Agricultural bulletins, re. Chinch-bugs, Mexican bean bugs], 1923-1954
4. Alexander, C.P., 1959-1972
5. Berenbaum, May, 1982-1994
6. Berger, [Jacques], 1963-1983
7. Bhattacharya, A. K., 1967-1997
8. Blum, M.S., 1964-2001
9. [Book proposal, eventually called "Insights from Insects"] 2001-2003
10. Brady, N.C., 1970-1980
11. Braun, R.B., 1967-1987
12. Brower, [L.P.], 1962-1991
13. Buffalo Museum, 2000
14. Bullini, L., 1977-1982
15. Camacho, L.H., 1970-1972
16. Camras, S., 1965-1972
17. CBS, 1975-1981
18. Chadwick, [L.E.], 1962-1975
19. Clarke, C., 1982-1985
20. Coffman, Ronnie, 1985
21. Randy Cohen, 1983-1991
22. Collon, [L.], 1963-1964
23. Craig, G., 1962-1963
24. Curio, E., 1963-1976
25. Davis, Robert, 1969-1975
26. Delinger, D., 1981-1989
27. D'Ostilio, Dominick, 1977-1994
28. [Entomology Department Brochures], undated
29. de Schauensee, [R.M.], 1971

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30. Dethier, [V.G.], 1957-1966
31. Dingle, H., 1978-1984
32. Endler, J.A., 1982-1983
33. Evans, Dave L., 1979-1985
34. Farr, [D.H.], 1963-1969
35. Fashing, N.J., 1971-1973
36. Feeny, Paul, 1972-1976
37. Fincke, Ola, 1986-2003
38. Fraenkel, [G.S.], 1960-1979
39. Gates, David, 1982-1984
40. Derek Goodwin, 1981
41. [General Correspondence], c.a. 1982-2005
42. George, W.G, 1967-1970
43. Gilbert, Francis, 1982-1988
44. Godfrey, George, 1971-1973
45. Gordon, H.T., 1973-1976
46. Hawkeswood, Trevor, 2001
47. Hayes, J., 1963-1973
48. Harvard [University Press], 1998-2002
49. Heinrich, B., 1975-1984
50. Heinriche, E.A., 1979-1981
51. Help from colleagues, undated
52. Hesperheide, H., 1976
53. Hildebrand, John, 1988
54. Horsefall, [W.R.], 1978-1985
55. Huheey, J., 1962-1981
56. Illustrations, 1999
57. I.R.R.I., 1985
58. Janzer, Dan, 1981-1984
59. Jeremy, [T.], 1973-1988
60. Kerkut, [G.], 1980-1981
61. Knutson, [L.], 1964-1975
62. Kogan, M., 1973-1986
63. Krysan, [J.L.], 1966-1988
64. Litsinger, James A., 1987
65. Lorenz, K., 1963-1964
66. Luckmann, W.H., 1969-1984
67. "MacArthur's Tokyo, 1946" [submission for American Heritage: My Brush with History], 2005
68. Ellis MacLeod, 1966-1978
69. Maier, Chris, 1973-1988
70. Martin, Mike, 1981-1988
71. McGinnis, [A.J.], 1959-1972
72. Michigan University [Biological Station application for research status], 1982
73. Mimicry talk, undated
74. Mistic, [W.], 1964
75. Mixed species group, undated
76. Moore, Tom, 1966-1981

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77. Morden, R., 1971-1981
78. National Geographic, 1971-1980
79. [Correspondence and Materials relating to National Public Radio], 1999
80. NSF, 1968-1989
81. O'Connell, Tom, 1962-1989
82. Paddock, M., 1983
83. Painter, 1959-1968
84. Pakistan Ag. Res. Council, 1977-1985
85. Panizzi, [A.R.], 1980-1981
86. Pathak, P.K., 1980-1983
87. Pechuman, [L.L.]
88. Pettingil, O.S., 1972
89. Price, P. 1970-1976
90. Rabb, [R], 1962-1975
91. Remington, C.L., 1963-1988

Box 2

1. [Replies and comments to book reviewers], undated, 1996
2. Lita Romena (Marciano), 1979-1987
3. Root, R.B., 1970-1974
4. Ross, E.D., 1953-1998
5. Rothschild, Miriam, 1970-1987
6. Sue Savage-Rumbaugh, 1986-1987
7. Saxena, Ramesh, 1980-1981
8. Scarbrough, A., 1970-1983
9. Schoonhoven, [L.M.]1969-1974
10. Shettleworth, Sara, 1970-1997
11. Sternbury, J.G., 1971-1984
12. "Strength in Numbers" [preface], undated
13. M.S. Swaminathan, 1984-1987
14. F.G. Thompson, 1963-1987
15. Vaishampayan, S., 1972-1976
16. Vockeroth, [J.R.], 1965-1982
17. Willis, J.H., 1969-1988
18. Wilson, E.O., 1966-1976
19. Wratten, Bill, 1989
20. Young, A.M., 1967-1969

Series 2: Publications, 1964-1993

This series consists of journal articles and reviews authored and co-authored by Gilbert Waldbauer, organized chronologically. Publication citations were pulled from Gilbert Waldbauer's 2006 CV.

Box 2

21. [Publications], 1964-1969
 - Waldbauer, G.P. and J. Hayes. 1964. Breeding of the purple gallinule in Illinois. *The Auk* 81: 227.

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21. [Publications], 1964-1969 (cont.)

- Waldbauer, G.P., R.T. Yamamoto and W.S. Bowers. 1964. Laboratory rearing of the tobacco homworm, *Protoparce sexta* (Lepidoptera: Sphingidae). *J. Econ. Ent.* 57: 93-95.
- Bhattacharya, A.K. and G.P. Waldbauer. 1969. Quantitative determination of uric acid in insect feces by lithium carbonate extraction and the enzymatic-spectrophotometric method. *Ann. Ent. Soc. Amer.* 62: 925-927.
- Waldbauer, G.P. and J.G. Stemburg. 1967. Host plants and the locations of the baggy and compact cocoons of *Hyalophora cecropia* (Lepidoptera: Saturniidae). *Ann. Ent. Soc. Amer.* 60: 97-101.
- Waldbauer, G.P. and J.G. Stemburg. 1967. Differential predation on cocoons of *Hyalophora cecropia* (Lepidoptera: Saturniidae) spun on shrubs and trees. *Ecology* 48: 312-315.
- Bhattacharya, A.K. and G.P. Waldbauer. 1969. Faecal uric acid as an indicator in the determination of food utilization. *J. Insect Physiol.* 15: 1129-1135.
- Stemburg, J.G. and G.P. Waldbauer. 1969. Bimodal emergence of adult cecropia moths under natural conditions. *Ann. Ent. Soc. Amer.* 62: 1422- 1429.

22. [Publications], 1970-1974

- Waldbauer, G.P. 1970. Mimicry of Hymenopteran antennae by Srpshidae. *Psyche* 77: 45-49.
- Waldbauer, G.P., J.G. Stemburg, W.G. George and A.G. Scarbrough. 1970. Hairy and downy woodpecker attacks on cocoons of urban *Hyalophora cecropia* (L.) and other saturniids. *Ann. Ent. Soc. Amer.* 63: 1366-1369.
- Scarbrough, A.G., G.P. Waldbauer, and J.G. Stemburg. 1970. A method for associating cocoons and marked last instar larvae. *Ann. Ent. Soc. Amer.* 63: 1481.
- Bhattacharya, A.K., J.J. Ameel and G.P. Waldbauer. 1970. A method for sexing living pupal and adult yellow mealworms. *Ann. Ent. Soc. Amer.* 63:1783.
- Waldbauer, G.P. and J.G. Stemburg. 1982. A mutant blue cecropia larva. *Ent. Exp. & Appl.* 15: 250-251.
- Scarbrough, A.G., G.P. Waldbauer and J.G. Sternburg. 1972. Response to cecropia cocoons of *Mus musculus* and two species of *Peromyscus*. *Oecologia* 10: 137-144.
- Waldbauer, G.P. and J.G. Sternburg. 1973. Polymorphic termination of diapause by cecropia: genetic and geographical aspects. *Biol. Bull.* 145: 627-641.
- Nichols, M.P., M. Kogan and G.P. Waldbauer. 1974. The literature of arthropods associated with soybeans. III. A bibliography of the bean leaf beetles, *Cerotoma trifurcata* and *C. ruficornis* (Coleoptera: Chrysomelidae). *Ill. Nat. Hist. Surv. Biol. Note* 85, 16 pp.
- Willis, J.H., G.P. Waldbauer and J.G. Sternburg. 1974. The initiation of development by the early and late emerging morphs of cecropia. *Ent. Exp. & Appl.* 17: 219-222.

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22. [Publications], 1970-1974
- Scarbrough, A.G., G.P. Waldbauer and J.G. Sternburg. 1974. Feeding and survival of cecropia larvae on various plant species. *J. Lepid. Soc.* 28: 212-219.
23. [Publications], 1975-1979
- Waldbauer, G.P. and M. Kogan. 1975. Position of bean leaf beetle eggs in soil determined by a refined sampling procedure. *Environ. Ent.* 4: 375-380.
 - Vaishampayan, S.M., M. Kogan, G.P. Waldbauer and J.T. Woolley. 1975. Spectral specific responses in the visual behavior of the greenhouse whitefly, *Trialeurodes vaporariorum* (Homoptera: Aleyrodidae). *Ent. Exp. & Appl.* 18: 344-356.
 - Vaishampayan, S.M., G.P. Waldbauer and M. Kogan. 1975. Visual and olfactory responses in orientation to plants by the greenhouse whitefly, *Trialeurodes vaporariorum* (Homoptera: Aleyrodidae). *Ent. Exp. & Appl.* 18: 412-422.
 - Mayse, M.A., G.P. Waldbauer and J.V. Maddox. 1975. Southern corn rootworm eggs in soybean fields. *Florida Ent.* 58: 296.
 - Waldbauer, G.P., P.W. Price and J.G. Sternburg. 1976. *Aristapeda* in a hymenopteran parasitoid. *Ent. News* 87: 98-100.
 - Waldbauer, G.P. and M. Kogan. 1976. Bean leaf beetles: bionomics and economic role in soybean agroecosystems, pp. 619-628 in L.D. Hill (ed.). *World Soybean Research, Proc. World Soybean Res. Conference, 1975. Danville, Ill.: Interstate Printers and Publishers.*
 - Waldbauer, G.P. and J.G. Sternburg. 1976. Emergence of *Hyalophora cecropia* (Saturniidae) blocked by seeds in the cocoon valve. *J. Lepid. Soc.* 30: 131-132.
 - Scarbrough, A.G., J.G. Sternburg and G.P. Waldbauer. 1977. Selection of the cocoon spinning site by the larvae of *Hyalophora cecropia*. *J. Lepid. Soc.* 31: 153-166.
 - G.P. Waldbauer. 1977. Mimicry in Animals. *International Encyclopedia of Psychiatry, Psychology, Psychoanalysis, and Neurology.* 7: 231-235.
 - Anderson, T.E. and G.P. Waldbauer. 1977. Development and field testing of a quantitative technique for extracting bean leaf beetle larvae and pupae from soil. *Environ. Ent.* 6: 633-636.
 - Waldbauer, G.P. 1977. Damage to soybean seeds by South American stink bugs. *Anais Soc. Ent. Brasil* 6: 224-229.
 - Waldbauer, G.P. 1978. Phenological adaptation and the polymodal emergence patterns of insects. pp. 127-144 in H. Dingle (ed.) *Evolution of Insect Migration and Diapause.* New York: Springer-Verlag.
 - Sternburg, J.G. and G.P. Waldbauer. 1978. Phenological adaptations in diapause by cecropia from different latitudes. *Ent. Exp. & Appl.* 23: 48-54.
 - Waldbauer, G.P. and J.G. Sternburg. 1978. The bimodal termination of diapause in the laboratory by *Hyalophora cecropia*. *Ent. Exp. & Appl.* 23: 121-130.
 - Waldbauer, G.P., J.G. Sternburg and G.R. Wilson. 1978. The effect of injections of Beta-ecdysone on the bimodal emergence of *Hyalophora cecropia*. *J. Insect Physiol.* 24: 623-627.

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23. [Publications], 1975-1979

- Maier, C.T. and G.P. Waldbauer. 1979. Dual mate-seeking strategies in male syrphid flies (Diptera:Syrphidae). *Ann. Ent. Soc. Amer.* 72: 54-61.
- Maier, C.T. and G.P. Waldbauer. 1979. Diurnal activity patterns of flower flies (Diptera:Syrphidae) in an Illinois sand area. *Ann. Ent. Soc. Amer.* 72: 237-245.
- Jeffords, M.R., J.G. Sternburg and G.P. Waldbauer. 1979. Batesian mimicry: field demonstration of the survival value of pipevine swallowtail and monarch color patterns. *Evolution* 33: 275-286.
- Waldbauer, G.P. and J.G. Sternburg. 1979. Inbreeding depression and a behavioral mechanism for its avoidance in *Hyalophora cecropia*. *Amer. Midland Nat.* 102: 204-208.
- Waldbauer, G.P. and A.P. Marciano. 1979. Rice leaf folder: mass rearing and a proposal for screening for varietal resistance in the greenhouse. *International Rice Research Institute Research Paper Series*, no 27, 17 pp.
- Levinson, G.A. G.P. Waldbauer and M. Kogan. 1979. Distribution of bean leaf beetle eggs, larvae, and pupae in relation to soybean plants: determination by emergence cages and soil sampling techniques. *Environ. Ent.* 8: 1055-1058.
- Toliver, M.E., J.G. Sternburg and G.P. Waldbauer. 1979. Daily flight periods of male *Callosamia promethea* (Saturniidae). *J. Lepid. Soc.* 33: 232-238.
- Waldbauer, G.P. and M. Marciano. 1979. Mass rearing of the rice leaf folder (*Cnaphalocrosis medinalis* (Guenee) (Lepidoptera: Pralidae) under greenhouse conditions. *J. Ent. Res.* 3: 1-8.

24. [Publications], 1980-1984

- Waldbauer, G.P., A.P. Marciano and P.K. Pathak. 1980. Life-span and fecundity of adult rice leaf folders, *Cnaphalocrosis medinalis* (Guenee) (Lepidoptera: Pyralidae), on sugar sources, including honeydew from the brown plant-hopper, *Nilaparvata lugens* (Stål) (Hemiptera Delphacidae). *Bull. Ent. Res.* 70: 65-71.
- Jeffords, M.R., G.P. Waldbauer and J.G. Sternburg. 1980. Determination of the time of day at which diurnal moths painted to resemble butterflies are attacked by birds. *Evolution* 34: 1205-1211.
- Sternburg, J.G., G.P. Waldbauer and A.G. Scarbrough. 1981. The distribution of the cecropia moth (Saturniidae) in central Illinois: a study in urban ecology. *J. Lepid Soc.* 35: 304-320.
- Waldbauer, G.P., A.G. Scarbrough and J.G. Sternburg. 1982. The allocation of silk in the compact and baggy cocoons of *Hyalophora cecropia*. *Ent. Exp. & Appl.* 31: 191-196.
- Waldbauer, G.P. and S.M. Waldbauer. 1982. First sight record of the spotted dove, *Streptopelia chinensis*, from Luzon and a summary of its range expansion in the Philippines. *Bull. Brit. Om.* CL 102: 22-24.
- Price, P.W. and G.P. Waldbauer. 1982. Ecological aspects of pest management, pp. 33-68 in R.L. Metcalf and W.H. Luckmann (eds.). *Introduction to Insect Pest Management*, 2nd ed. New York: Wiley- Interscience.
- Waldbauer, G.P. and J.G. Sternburg. 1982. Long mating flights by male *Hyalophora cecropia* (L.) (Saturniidae). *J. Lepid. Soc.* 36: 154-155.

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24. [Publications], 1980-1984

- Waldbauer, G.P. and J.G. Sternburg. 1982. Cocoons of *Callosamia promethea* (Saturniidae): adaptive significance of differences in mode of attachment to the host tree. *J. Lepid. Soc.* 36: 192-199.
- Waldbauer, G.P. 1983. Flower associations of mimetic Syrphidae (Diptera) in northern Michigan. *Great Lakes Ent.* 16: 79-85.
- Waldbauer, G.P. and J.G. Sternburg. 1983. A pitfall in using painted insects in studies of protective coloration. *Evolution* 37: 1085-1086.
- Waldbauer, G.P. and A.W. Ghent. 1984. Flower associations and mating behavior or its absence at blossoms by *Spilomyia* spp. (Diptera: Syrphidae). *Great Lakes Ent.* 17: 13-16.
- Waldbauer, G.P. 1984. Mating behavior at blossoms and the flower associations of mimetic *Temnostoma* spp. (Diptera: Syrphidae) in northern Michigan. *Proc. Ent. Soc. Wash.* 86: 295-304.
- Waldbauer, G.P., R.W. Cohen and S. Friedman. 1984. An improved procedure for laboratory rearing of the corn earworm, *Heliothis zea* (Lepidoptera: Noctuidae). *Great Lakes Ent.* 17: 113-118.87.
- Waldbauer, G.P. 1984. A warningly colored fly, *Stratiomys badius* Walker (Diptera: Stratiomyidae), uses its scutellar spines in defense. *Proc. Ent. Soc. Wash.* 86: 722-723.
- Sternburg, J.G. and G.P. Waldbauer. 1984. Diapause and emergence patterns in univoltine and bivoltine populations of promethean (Lepidoptera: Saturniidae). *Great Lakes Ent.* 17: 155-161.
- Cowan, D.P. and G.P. Waldbauer. 1984. Seasonal occurrence and mating at flowers by *Ancistrocerus anti/ope* (Hymenoptera: Eumenidae). *Proc. Entomol. Soc. Wash.* 86: 930-934.
- Waldbauer, G.P., R.W. Cohen and S. Friedman. 1984. Self-selection of an optimal nutrient mix from defined diets by larvae of the corn earworm, *Heliothis zea* (Boddie). *Physiol. Zool.* 57: 590-597.

25. [Publications], 1985-1989

- Waldbauer, G.P. and D.P. Cowan. 1985. Defensive stinging and Müllerian mimicry among eumenid wasps (Hymenoptera: Vespoidea: Eumenidae). *Amer. Midi. Nat.* 113: 198-199.
- Waldbauer, G.P. and J.G. Sternburg. 1985. Adult emergence in two univoltine *Callosamia promethea* populations: preponderance of the early emerging morph in the north and other late emerging morph in the south (Lepidoptera: Saturniidae). *Great Lakes Ent.* 18: 139-142.
- Waldbauer, G.P., J.G. Sternburg and D.H. Janzen. 1985. Longevity and weight loss of free-flying male cecropia moths, *Hyalophora cecropia* (Lepidoptera: Saturniidae). *Great Lakes Ent.* 18: 133-138.
- Waldbauer, G.P. and J.G. Sternburg. 1985. Melanistic males of *Callosamia promethea* (Lepidoptera: Saturniidae). *Great Lakes Ent.* 18: 143-144.

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25. [Publications], 1985-1989

- Waldbauer, G.P. and J.G. Sternburg. 1986. The bimodal emergence curve of adult *Hyalophora cecropia*: conditions required for the initiation of development by second mode pupae. *Ent. Exp. & Appl.* 41: 315-317.
- Waldbauer, G.P. and J.G. Sternburg. 1987. Experimental field demonstration that two aposematic butterfly color patterns do not confer protection against birds in northern Michigan. *Amer. Midi. Nat.* 118: 145- 152.
- Waldbauer, G.P. 1988. Aposematism and Batesian mimicry: measuring mimetic advantage in natural habitats. *Evol. Biol.* 22: 227-259.
- Waldbauer, G.P., J.G. Sternburg and A.W. Ghent. 1988. Lakes Michigan and Huron limit gene flow between the subspecies of the butterfly *Limenitis arthemis*. *Can. J. Zool.* 66: 1790-1795.
- Ahmad, I.M., G.P. Waldbauer and S. Friedman. 1989. A defined artificial diet for the larvae of *Manduca sexta*. *Ent. Exp. & Appl.* 53:189- 191.

26. [Publications], 1990-1993

- Schiff, N.M., G.P. Waldbauer, and S. Friedman. 1990. Gustatory insensitivity of two insect species to L-aspartyl-L-Phenylalanyl methyl ester. *Ent. Exp. & Appl.* 54: 189-190.
- Waldbauer, G.P. 1990. Hilltopping by males of *Eupeodes volucris* (Diptera: Syrphidae). *Great Lakes Ent.* 23: 176-178.
- Waldbauer, G.P. and S. Friedman. 1991. Self-selection of optimal diets by insects. *Ann. Rev. Ent.* 36: 43-63.
- Friedman, S., G.P. Waldbauer, J.E. Eertmoed, M. Naeem and A.W. Ghent. 1991. Blood trehalose levels have a role in the control of dietary self- selection by larvae. *J. Insect Physiol.* 37: 919-928.
- Naeem, M., G.P. Waldbauer and S. Friedman. 1992. Self-selection and utilization efficiency of *Heliothis zea* larvae feeding on seeds and the walls of snap bean pods. *Ent. Exp. & Appl.* 62: 211-219.
- Naeem, M., G.P. Waldbauer and S. Friedman. 1992. Selective feeding within snap bean pods by larvae of *Heliothis zea* (Lepidoptera: Noctuidae). *Ann. Ent. Soc. Amer.* 85: 784-791.
- Ahmad, I., G.P. Waldbauer and S. Friedman. 1993. Maxillectomy does not disrupt self-selection by larvae of *Manduca sexta* (Lepidoptera: Sphingidae). *Ann. Ent. Sol. Amer.* 86: 458-463.

Processing Notes:

Secondary literature and duplicates were weeded. Inter-filed lectures, manuscripts, and reviews into Series I: Research-related Papers. We used Gilbert Waldbauer's 2006 CV for publication citations listed under each folder of Series II: Publications. Edited folder titles are indicated by []. Processed by Olivia Hagedorn, under the supervision by Susanne Belovari, August 2017.