



Eva Crane Trust

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TITLE: Theses and dissertations in the B.R.A Library

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On the scientific front

Theses and Dissertations in the B.R.A. Library

We have decided to publish this list of theses and dissertations for several reasons. Firstly, we have received so many requests from members for this information that we realized that there must be many people who would find such a list useful. Secondly, it is difficult to locate theses that are not published *in extenso* in a periodical, or even to know of their existence. Requirements and custom vary: in some countries, publication of a thesis (normally as a separate unit) is a condition of acceptance by the examining body; in other countries, publication of more than a summary of the most important findings is exceptional, and only three or four copies of the actual thesis exist. Some of the material in these theses may not be of a standard suitable for publication, but this is not universally true. Some theses deal with such specialized subjects that no journal will accept them; others have so many illustrations that they are too expensive to reproduce.

Much information is stored away in such theses and dissertations which could be valuable to a research worker studying similar problems, if he could be made aware of their existence and given access to them. The third reason for publishing the present list is, therefore, the hope that we shall encourage other scientists to deposit copies of their theses in the B.R.A. Library. Any spare copies of theses that other libraries can send us will, of course, be most welcome. Recent theses will be reported in *Apicultural Abstracts*, and all will be included in supplementary lists to the present one in *Bee World*.

We should be most grateful if any readers can contribute to a *more complete list* of existing theses on bees, honey, etc., by searching their own university catalogues or the lists compiled by such journals as *Dissertation Abstracts*. Photocopying becomes easier and cheaper year by year, and our final aim is to have a complete collection of postgraduate theses (or their summaries) relating to subjects within our field of reference.

The U.D.C. number for theses and dissertations, (043), will be used for all abstracts of theses we receive in the future.

Key to information

- Line 1 author; date; examining body and degree if known; language if not English; *A.A.* number
- Line 2 original title (unless transliterated)
- Line 3 English translation of title
- Line 4 journal reference, if thesis was published

List of theses

ALBRECHT, G. (1960) *Ludwig-Maximilians-Universität zu München* (In German)
*A.A.*99/63

Untersuchung über die chemische Zusammensetzung einiger Insektenfette

Investigation on the chemical composition of some insect fats

Z. vergl. Physiol. 44 : 487-508 (1961)

- AMARAL, E. (1953) *Escola Superior de Agricultura Luiz de Queiroz, São Paulo, Brazil*
(In Portuguese; English summary) A.A.281/54
Estudos apícolas em leguminosas
Studies on [Brazilian] legumes in relation to bees
- BARTH, W. (1951) *Cornell University, Ithaca, N.Y.* A.A.284/55
Manual for the collection and handling of pollen grains plus methods for microscopic examination
- BARTH, W. (1952) A.A.63/55
Report on the use of honey as an ingredient in confectionery
- BENTON, A. W. (1965) *Cornell University, Ithaca, N.Y.* Ph.D. A.A.202/66
Bee venom, its collection, toxicity and proteins
- BODOT, P. (1966) *Université d'Aix-Marseille* (In French) A.A.24L/67
Études écologiques et biologiques des termites des savanes de Basse Côte-d'Ivoire
Ecological and biological studies of savanna termites in the lower regions of Ivory Coast
- COLLINS, C. A. (1968)
The use of glass reinforced plastics (fibre glass) in the construction of bee hives and associated observations
- CRUZ, C. DA (1960) *Colegio Estadual de São Paulo, Brazil* (In Portuguese) A.A.27/65
Contribuição ao estudo da evolução das abelhas (Hymenoptera, Apoidea)
Contribution to the study of the evolution of bees
- CRUZ LANDIM, C. DA (1963) *Universidade de São Paulo, Brazil* (In Portuguese) A.A.26/65
Estudo comparativo de algumas glândulas das abelhas (Hymenoptera, Apoidea) e respectivas implicações evolutivas
Comparative study of some glands of bees (Hymenoptera, Apoidea) and their evolutionary implications
Archos Zool. Est. S Paulo 15(3) : 177–290 (1967) *In Portuguese; English summary* A.A.280/68
- DARCHEN, R. (1959) *Université de Paris* Thèses doctoraux (In French) A.A.269/60
Les techniques de construction chez "Apis mellifica"
Techniques of building by *Apis mellifica*
- DEANS, A. S. C. (1956) *National Diploma in Beekeeping*
The pollen analysis of some British honeys
- DIRSCHEDL, H. (1960) *Ludwig-Maximilians-Universität zu München* (In German) A.A.297/65
Die Vermittlung des Blütenduftes bei der Verständigung im Bienenstock
The communication of floral scent in the transmission of information within the honey-bee colony
- FEHLMANN, C. (1911) *Eidgenössische polytechnische Schule in Zürich* (In German)
Beiträge zur mikroskopischen Untersuchung des Honigs mit spezieller Berücksichtigung des Schweizerhonigs und der in die Schweiz eingeführten fremden Honige
Contribution to the microscopical examination of honeys, with special reference to Swiss honeys and honeys imported into Switzerland
Mitt. Lebensm. Hyg., Bern 2 : 179–208, 220–261 (1911)

- FIFE, A. E. (1939) *Stanford University, California* Ph.D.
The concept of the sacredness of bees, honey and wax in Christian popular tradition
- FISCHER, H. (1890) *Pflanzen-physiologischen Institut der Universität Breslau* (In German)
Beiträge zur vergleichenden Morphologie der Pollenkörner
Comparative morphology of pollen grains
- FRITZSCH, W. (1955) *Karl-Marx-Universität, Leipzig* (In German) A.A.252/57
Untersuchungen über antigene Eigenschaften von *Bac. larvae* White und seine Empfindlichkeit gegenüber Sulfonamiden *in vitro*
Researches on the antigen properties of *B. larvae* and its sensitivity to sulphonamides *in vitro*
- GARY, N. E. (1959) *Cornell University, Ithaca, N.Y.* Ph.D. A.A.586/64
A study of natural and induced supersedure of the queen honey bee (*Apis mellifera* L.)
- GROOT, A. P. DE (1953) *Rijksuniversiteit te Utrecht* A.A.88/54
Protein and amino acid requirements of the honeybee (*Apis mellifica* L.)
Physiol. comp. 3(2/3) : 197–285 (1953)
- GUNNISON, A. F., JR. (1966) *Cornell University, Ithaca, N.Y.* M.S. A.A.374/69
The collection and analysis of the volatiles of bee venom, and solubility characteristics of bee venom solids
- HERTLEIN, G. (1954) *Landwirtschaftliche Hochschule Hohenheim* (In German) A.A.158/56
Phänologisch-meteorologische Untersuchungen zur Blühvorhersage bei den Obstgehölzen
Phenological and meteorological observations on the prediction of flowering dates of fruit trees
- HISCHIER, J. (1962) *Universität Bern* (In German) A.A.81/64
Untersuchungen über Flagellaten im Darm der Honigbiene (*Apis mellifica* L.)
Investigation of flagellata in the honeybee intestine
- JARVIS, R. (1950?) *B.B.K.A. Fellowship*
An investigation into the effects of vibration on colonies of the honeybee
- KING, C. C. (1961) *Ohio State University* Ph.D. A.A.187/64
Effects of herbicides on honey bees and nectar secretion
- KING, G. E. (1928) *University of Illinois* Ph.D.
The larger glands in the worker honey bee (conclusion only)
- LANDIM, *see* CRUZ LANDIM
- LAVIE, P. (1960) *Université de Paris* Thèses doctoraux (In French) A.A.761/63
Les substances antibactériennes dans la colonie d'abeilles (*Apis mellifica* L.)
Antibacterial substances in the honeybee colony
Annls Abeille 3 : 103–183, 201–305 (1960)
- LELLO, E. DE (1968) *Faculdade de Filosofia Ciências e Letras de Rio Claro, Brazil*
Tese par Douter em Ciências (In Portuguese) A.A.225/69
Glândulas anexas ao aparelho de ferrão das abelhas (Hymenoptera, Apoidea)
Glands connected with the sting apparatus of bees

- LENSKY, Y. (1963) *Hebrew University of Jerusalem* Ph.D. (In Hebrew; French summary and annotations) A.A.324/64
 Études sur la physiologie et l'écologie de l'abeille (*Apis mellifica* L. var. *ligustica*) en Israël
 Study on the physiology and ecology of the Italian honeybee in Israel
- LOUVEAUX, J. (1958) *Thès. Fac. Sci. Univ. Paris Sér. A No. 3125* (In French) A.A. 330/61
 Recherches sur la récolte du pollen par les abeilles (*Apis mellifica* L.)
 Investigations on the collection of pollen by bees
Annls Abeille 1 : 113–188, 197–221 (1958)
- MCDONALD, J. L. (1964) *Cornell University, Ithaca, N.Y.* M.Sc. A.A.579/67
 Further studies on honey crystallization
- MONTAGNER, H. (1966) *Université de Nancy* Thèses doctoraux (In French) A.A.223/69
 Le mécanisme et les conséquences des comportements trophallactiques chez les guêpes du genre *Vespa*
 The mechanism and consequences of trophallactic behaviour in wasps of the genus *Vespa*
- MORSE, R. A. (1953) *Cornell University, Ithaca, N.Y.* A.A.146/54
 The fermentation of diluted honey [mead making]
- PAIN, J. (1961) *Université de Paris* Thèses doctoraux (In French) A.A.415/62
 Sur la phéromone des reines d'abeilles et ses effets physiologiques
 The pheromone of queen bees and its physiological effects
Annls Abeille 4(2) : 73–158 (1961)
- PALLESEN, H. R. (1951) *Cornell University, Ithaca, N.Y.*
 The history of foulbrood
- PESSOTTI, I. (1969) *Universidade de São Paulo, Brazil* Tese de Doutorado (In Portuguese)
 Discriminação condicional em *Melipona (Micheneria) rufiventris* Lapeletier
 Conditional discrimination in *Melipona (Micheneria) rufiventris*
- PIEK, T. (1962) *Rijksuniversiteit te Utrecht* Doctorate thesis (In Dutch; English summary) A.A.646/62
 Over de vorming van was bij de honingbij (*Apis mellifera* L.)
 Synthesis of wax in the honeybee
- REMBOLD, H. (1957) *Technische Hochschule Stuttgart* (In German) A.A.104/60
 Zur Kenntnis des Weiselzellenfuttersaftes (Gelée royale) der Honigbiene
 The composition of royal jelly
- ROBERTSON, D. R. (1960) *University of Manitoba* M.Sc. A.A.355/64
 Analysis of factors affecting cost of honey production and marketing in Manitoba
- RODRIGUES, V. M. (1968) *Faculdade de Filosofia Ciências e Letras de Rio Claro, Brazil* Tese par Doutor em Ciências (In Portuguese) A.A.221/69
 Estudo sobre vespas sociais do Brasil (Hymenoptera-Vespidae). Estudo sobre populações de vespas sociais dos gêneros *Polistes* e *Polybia* (Vespidae-Polistinae e Polybiinae)
 Social wasps of Brazil: a study of populations of social wasps belonging to the genera *Polistes* and *Polybia*

- ROECK, H. (1950) *Institut universitaire des territoires d'outremer* (In French) A.A.24/52
L'apiculture au Congo Belge du point de vue social
Beekeeping in the Belgian Congo from the social point of view
- ROTHENBUHLER, W. C. (1955) Iowa State College, Ames, Iowa A.A.309/57
Hereditary aspects of gynandromorph occurrence in honeybees (*Apis mellifera* L.)
- SANTOS, C. FERRAZ DE O. (1954) *Universidade de São Paulo, Escola Superior de Agricultura Luiz de Queiroz, Piracicaba, Brazil* Doctorate thesis (In Portuguese) A.A.418/57
Contribuição ao conhecimento dos nectários de algumas espécies da flora apícola . . . Nectaries of some bee plants
- SANTOS, C. F. DE O. (1961) *Escola Superior de Agricultura Luiz de Queiroz, Piracaba, Brazil* Tese Docente-Livre (In Portuguese; English summary) A.A.807/63
Morfologia e valor taxonômico do pólen das principais plantas apícolas
Morphology and taxonomic value of pollen of the principal bee plants
- SAUNDERS, G. W. (1952) *University of Queensland* A.A.281/53
The honey bee as an insect pollinator
- SEVILLA, V. J. (1963) *University of the Philippines* B.Sc. A.A.572/68
Observations on the life history and habits of three new acarine pests of honeybees in the Philippines
- SHOWLER, B. A. K. (1954) *Goldsmiths' College, London*
Pollen collection and the pollen load of the honeybee
- SMIRNOVA, N. I. (1954) *Veterinary Institute, Leningrad* (In Russian) A.A.636/63
A bacteriophage against *B. larvae*: its use in the diagnosis, prophylaxis and therapy of A.F.B.
- SMITH, F. G. (1956) *University of Aberdeen* A.A.268/56
Bee botany in Tanganyika
- SMITH, F. G. (1959) *National Diploma in Beekeeping* A.A.520/63
Beekeeping in Northern Rhodesia: its prospects and recommendations for its development
- SMITH, M. R. (1963) *University of Arizona* Ph.D. A.A.214/68
Chromatographic investigation of the trace lipids in honey
- STEINER, A. (1962) *Université de Paris* Thèses doctoraux (In French) A.A.489L/64
Étude du comportement prédateur d'un Hyménoptère Sphégien: *Liris nigra* V. d. L. (= *Notogonia pompiliiformis* Pz.)
Study of predatory behaviour of a species of Hymenoptera (Sphegidae): *Liris nigra*
- TAFT, K. A., JR. (1961) *N. Carolina State College* Master's thesis A.A.715/62
The effect of controlled pollination and honeybees on seed quality of yellow-poplar (*Liriodendron tulipifera* L.) as assessed by X-ray photography
- YOUSEF, N. N. (1964) *Utah State University* M.Sc. A.A.312/67
Topography of the abdominal nervous system and a review of the abdominal musculature of the honey bee *Apis mellifera* Linnaeus

- ZEITZ, K. (1960) *Institut für mathematische Statistik der Karl-Marx Universität, Leipzig* Diplomarbeit (In German) A.A.557/63
 Testuntersuchungen zu Korrelation, Bestimmtheitsmass, F_Z - und F_L -Test und Methoden der Merkmalsauswahl an einem Beispiel von Merkmalen, gemessen an der Krainer Biene (*Apis mellifica carnica* Pollm.)
- Investigations into the correlation, standard error, F_Z and F_L tests, and selection methods for characteristics, exemplified by characteristics measured in the Carniolan bee

Theses abstracted but not in the Library

- BARTH, W. (1953) *Cornell University, Ithaca, N.Y.* A.A.181/54
 Nectar concentration studies of New York State honey flora
- CALE, G. H. (1952) *Iowa State College, Ames, Iowa* A.A.443/62
 Oviposition rates and viability of eggs in *Apis mellifera* L.
- FORD, R. N. (1952) *Texas A. & M. College* A.A.256/55
 Seed production of crimson clover as affected by fertilizers, boron, and honey bees
- JEFFREE, E. P. (1957) *University of Aberdeen* D.Sc. A.A.78/59
 Some aspects of the seasonal course of honeybee colonies and the changing background of flowering plants on which they forage
- L'ARRIVÉE, J. C. M. (1958) *Iowa State College, Ames, Iowa* Ph.D. A.A.51/59
 Survival of honey-bee larvae following colony inoculation with various dosages of *Bacillus larvae* W.
- MORSE, R. A. (1955) *Cornell University, Ithaca, N.Y.* A.A.229/55
 The pollination of birdsfoot trefoil
- RASHAD, S. E. (1957) *Kansas State College* A.A.355/58
 Some factors affecting pollen collection by honeybees and pollen as a limiting factor in brood rearing and honey production
- SILBACEK, D. L. (1967) *University of Wisconsin* A.A.445L/68
 Some biochemical aspects of growth and development of the greater wax moth, *Galleria mellonella*
- VAUGHN, J. L. (1962) *University of Wisconsin* A.A.568/68
 European foul brood disease of honey bees (*Apis mellifera*): Studies on the etiological agent and associated organisms