

Record Series Number



15/8/22  
Liberal Arts and Sciences  
Entomology  
Gottfried S. Fraenkel Papers, 1925-1984

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A 2nd accession of 2 boxes was transferred from the Department of Entomology to the university archives in spring 2017; these boxes were processed in summer 2017, and the new folder lists were added to the end of the original finding aid.

Box 1:

Vorträge, 1925  
Report on Animals & Plants in Trans-Jordan, March-May, 1929  
Frankfurt, University of, 1931-32  
Atmung  
Folic Acid, 1933  
Geschmacksinn, Blowfly nutrition  
Halteres, 1929-33, 1937  
Insect Blood & Heart, 1931-32  
Insect Migration, 1929-30  
Insect Nutrition  
Metamorphose der Insekten, 1932  
Photographs, Venice? 1930  
Physiology, Study Plan, 1932-33  
Sinnesphysiologie, ca. 1932  
Stammbaum, Genealogy - Helene Fraenkel, 1935  
Temperature Dependence  
Tier Physiologisches Praktikum, Sommer Semester, 1932  
Verdauung  
Zeitungs artikel by G. Fraenkel, Vershiedene Exposures?, 1932  
Imperial College Service, 1935-48, 1964  
Alcohol Consumption, 1943  
Beetle Infestation of Sheep & Goat Skins from Aden, May-June, 1946  
Bibliographic Notes, 1939  
ca., 1940  
Blood Oxidoses, 1942-43  
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Book Permissions from Authors, Animal Behavior, 1938-39  
Bread, Fortified Bread & Wheat Meal, 1940-42  
Bread Articles, 1942  
Bread Lectures, 1942-43  
Bread Literature, 1943  
B<sub>T</sub> Vitamin & Pernicious Anemia, 1946-48

Box 2:

Calliphora Enzymes, Flies, 1937  
Chamäleon  
Comparative Physiology, Lectures, 1948

Cuticle Paper, Feb. 29, 1940  
Dietetics of Insects by Fraenkel & Blewitt, Natural foods, flower fractions, moisture contents, 1943  
Dermestes Vulpinus on sheepskins from Aden, 1942  
Drosophila, Nutrition, 1944-48  
Economics & Nutrition, 1943  
Emergence of Flies  
Folic Acid Paper, 1946  
Food consumption, Education, 1943  
Food & Health, 1943  
Food Supply, 1944-45  
Food Utilization & Metabolic Water, 1948  
Health & Nutrition, March 1942  
High Temperature, 1937-38  
Imperial College of Science & Technology, 1944  
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Insect Nutrition literature, 1943-44  
Insect Physiology, 1946  
Locust, Nervous Physiology by V. E. F. Eyre, 1937  
Locusta Migratoria, J. W. Tucker, 1947  
Milk Consumption, 1943  
Mineral Nutrition, London Experiments, 1937-44  
Narcotics, 1941  
Nicotinic Acid Derivatives, 1945-46  
Nutrition Lectures, July - August, 1943  
Orientation, Science Review of S. O. Mast, 1941  
Patent Foods & Advertising, 1943-45  
Patent Foods Lecture, 1945  
Phototaxis Book  
Physiology of Insects Manuscript (German), ca. 1938  
Physiology Lectures, 1948  
Protein Deficient Diets, Tenebrio, 1948  
Research Methods & Results, Correspondence with Mary Coles, Joseph Chayen, 1948-49  
Sarcophaga Larvae & Blood, 1938-42  
Sterols, 1938-45  
Surveys, 1947  
Tenebrio, 1946-48  
Tenebrio Molitor Results, ca 1948  
Tenebrio Molitor, Ratio & Humidity, Normal Growth, Chayen's Thesis, ca. 1948  
Testimonials, 1936-41, 1943, 1945  
Tineola Paper, May 11, 1945  
Tyrosine & Flies  
Vitamin Papers, 1945-46

Vitamin B Literature, 1943  
 W. E. A. Lectures on Nutrition, ca. 1943  
 Wheat Germ Oil & Fats Research, Ephestia & Insect Nutrition, 1943-45

Box 3:

AAAS Meetings, Boston, Puparium Formation Paper, 1969  
 1970-71  
 New York, Czechoslovakia NAS Exchange Visit, April-June 1978  
 Abbott R. Tucker, Snails, 1966-67  
 Aedes Mariae, 1962  
 Notebooks, 1961-62, 1966-70  
 Amsterdam, 9th International Congress of Entomology, 1951-52  
 Appointments & Retirement, 1952-63  
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 Attractants - Specificity  
 B Vitamin Symposium, Austin, TX, 1951  
 Bahia de Los Angeles - Snails, Bob Hamby, 1967-70  
 Banff 6th International Symposium on Comparative Endocrinology, June 1971  
 Banyuls sur Mer, Laboratoire, Arago, 1961-62, 1966, 1971  
 Bechyne, Czechoslovakia, Regulation of Insect Reproduction Conference, June 14-19, 1982  
 Bellairs Research Institute, McGill Univ., Barbados, 1967, 1968, 1974  
 Bennetova, Blanka, Institute of Entomology, Prague, 1974, 1978-79  
 1980-81  
 Berlin, DDR, Chemistry & Biochemistry of Alkaloids Conference, 1959  
 Berreur, Paul, Ecdysone Injection of Larvae, 1968-71  
 Bhasdaran, Govindan, 1971-72, 1974  
 Biographical, 1959-1972  
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 Bloch, Konrad, Dermestes Larvae, 1953-54, 1956  
 80th Birthday Recollections & Greetings, April-May, 1981  
 Book Reviews, 1954-56  
 Brain Hormone in Insects, Milton Gersch, Masatoshi Kobayashi, Hironori Ishizaki, Junko N-Uwo,  
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 Brno, Czechoslovakia, International Symposium on Insect Endocrines, 1966-67  
 Bruchids Ecology Symposium, F. Rabelais, Tours, France, 1980  
 Bursicon, Lecture for India  
 Burcison Papers, Science, 1962-66  
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 Lecture, Tel Aviv, Correspondence, Julian F.V. Vincent, R.A.I. Norval, 1971  
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Canberra, 14th International Congress of Entomology, 1970-72  
 Canberra Lecture, 1972  
 Carausius, Paris, 1964  
 Carnitine, 1955-58  
     Correspondence, J.H. Gaddum, Jean LeClecq, 1954-57  
     Lecture, Dallas, 1979  
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 Cleveland, Ohio Federated Societies for Experimental Biology, 1951  
 Convoluta Manuscript, 1960  
 Copenhagen, Denmark, 14th International Congress of Zoology, August 1953  
 Correspondence, A-Z, 1949-59  
     A-L, 1960-69  
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     A-L, 197-79  
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     A-Z, 1980-84  
     M-Z, 1980-84

Box 4:

Cyclic AMP Paper, Paul Herman, 1974-75  
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     June 14 - July, 4, 1981  
 Dark Caterpillar, A. Glenn Richards, V. V. Thobbi, 1968-69  
 Denlinger, David, 1973-76, 1984  
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     Injection Correspondence & Notes, 1968-69  
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     Lecture  
     Puparia, Laurence Bonav & Dorothy Travis, 1967  
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     1956-57  
 Fleas, 1957

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     General Lecture  
 Fly Tanning, Correspondence P. Karlson, Lawrence Gilbert, 1961-64  
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     France, Summers, 1959-62  
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 Heat Resistance Paper, 1966-67  
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 Hormone (Juvenile) Research, 1966-67  
 Hormonal Factors in Fly Larvae, W.D. Russell-Hunter, 1972  
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     Contract, DA-49-007-MD-308, 1953-63  
     Extensions, Army, Surgeon General, Contract, DA-49-007-MD-308, 1956-59  
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 India, Lecture Tour, Nov. 1954, 1953-55  
 India Correspondence, 1966-68, Oct.- Jan.  
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 Indian Visit Diary, Nov. 1967 - Jan. 1968, Russian Visit Diary, June - July, 1969  
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 Inhibitors, 1977-78  
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Box 5:

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Japan visit (Aug. - Oct., 1954), T. Yokohama, 1953-54  
Japan, Toshi Ito, T. Yokohama, 1962-63  
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1978-82  
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for Biological Research, Ness-Ziona, Israel, 1949-58  
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New Guinea, "Alpha Helix" Expedition to 1968-69  
New York Academy of Sciences, Axenic Culture of Invertebrate Metazoa Conference (April 1958),  
1957-59  
Office of Naval Research Travel, European Research Laboratories, 1971  
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O'Connor, John D., 1974-75  
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 Ovarian Development, T.H. Hsiao, Cathy  
 Pennatulaceae, 1966  
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 FAO Travel Expense Claim, 1979-80  
 Rice Leaf Folder, G.P. Waldbauer, 1979

Box 6:

Pest Infestation Laboratory, Slough, U.K., 1953  
 Philadelphia, PA, 47th Meeting, Entomological Society of America, 1952  
 Phormia Lecture, April, May, 1961  
 Plant Juice Feeders, Honey Dew, Henry E. Gray, T.E. Mettler, 1952-54  
 Plant Products, Correspondence, 1959-60  
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 Press Notices, 1950-52  
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     1952-54  
     1961-62, 1965-66, 1968-69  
     1972-77, 1981  
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     1970-72  
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 Romania, Visit Plans, 1969-70, 1973  
 Rothschild, Miriam, 1967-68, 1970, 1974

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 Sabbatical Leave, 1954  
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     Japan, Taiwan, Hong Kong, Ceylon, India, Israel, Feb.-Sept. 1958, 1957-58  
 Sabbatical Leave 1960-61  
 Sabbatical, India, Israel, France, 1966-68  
 Salivary Glands, 1948, 1951-54  
 Salt Experiments, 1956-58  
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 Schmidt, Fred, 1962-65  
 Scientific Organization Memberships, ASZ, AIN, FAS, 1962, 1971-72

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Shirahama Paper, Intertidal Snails, 1965-66  
 Shyamala, M.G., Bangalore, India, 1969  
 Siam, 1954  
 Sigma Xi, 1951-52  
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     Bombyx, Yasuji Hamamura, Toshio Ito, J-M Legay, 1957-62  
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     P. X-Ray Irradiation, 1973  
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 Snails, India, 1967-68  
     Lecture on Intertidal, 1967  
 South America, Kaul Silberschmidt, Sao Paulo, Brazil, 1958-60  
 Soybeans, 1947-50  
 Spallanzani Celebration, Pavia, Italy, May, 1959  
 Specificity Lecture, 1974-75  
 Sri Lanka, Rice Leaf Folder, 1979-81  
     Notebooks, Jan-March, 1979  
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 Tanning Hormone Lecture, 1964  
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 Tribolium Confusum, B Vitamin insect nutrition, 1949-50  
 Tryptophane, Nicotinic Acid, 1950  
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     NAS, June, 1969  
 USSR Correspondence & Greetings, B.P. Ushakov, Irena Chudakova, 1969-76  
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 University of Illinois Research Grants, 1965-68  
 University Affairs, 1967-68  
 University of Illinois Appointment Papers & Retirement, (1966-72) 1966-80  
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 Vienna Austria, 11th International Congress of Entomology, 1960  
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     A- H. Cook, T.H. Farmer, 1949  
     other organisms, 1949-52  
     papers, 1954-55  
 Wageningen, Netherlands, 2nd Symposium on Insect & Hostplant, June, 1969  
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 Waterhouse, D.F., Heron Island, Australia, 1969  
 Woods Hole, Marine Biological Laboratory, 1954, 1959-61, 1965, 1967  
 Woods Hole Notebook, 1964-65, 1967  
 Wyoming University of, Visiting Lecturer, 1965-66  
 Zdarek, Jan, X-factors, 1971-72  
     1973-76  
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     & Blanka Bennettora, 1981-82  
     Research Leave in U.S., 1983-84  
 Zinkovy, Czechoslovakia, Insect Reproduction Conference, 1977-78  
 Zlotkin, Eliahu, Scorpion Venoms, 1966-72, 1976-78  
     Puparium Formation & Toxicon Papers, 1969-70  
     Research Grant Proposals, 1975-79, 1981  
 Zoëcon Corp., 1969-71  
 Zoëcon Hormone Conference, April, 1972

Box 8:

Entomology 301, Introduction to Advanced Entomology  
     Insect Physiology, 1962  
     Respiration 301  
     Alimentary Canal 301  
     Excretion M.T. 301  
     Instinct Learning  
     Blood 301  
     Entomology 301

Blood Circulation  
Final Exam  
Entomology 423 & 425, Behavior  
Vision, Insects & Flowers  
Chemical Sense  
Orientation  
Behavior, 1961  
Behavior Course  
Behavior Course, 1958-59  
Behavior, 1959-60  
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Entomology 422, Insect Physiology  
Cuticle  
Thermal Death Point  
Digestion  
Fat Body Starvation  
Hormones  
Respiration  
Cuticle Practical  
Excretion  
Insect Blood: Reports, Practical  
Insect Physiology, 1961  
Blood Lecture  
Physiology Class, 1st Semester, 1949-50  
Pigments  
Insect Physiology, 1960  
Excretion Practical  
Digestion Practical  
Entomology 422, Examinations, 1958  
Blood Circulation Practical  
Tenebrio Blood  
Seminars, Second Semester  
Laboratory, Insect Physiology  
Seminar, 1955, Disease Transmission  
Craig's Practical  
Stribolt, Tyrosine in Tenebrio Pupae  
Chang, Histochemistry  
Seminars, 1953  
Laboratory Instructions  
Respiration Practical  
Protein, General Lecture  
Reflexes

Temperature Organ  
Strobotac  
Nervous System Practical  
Body Temperatures  
Choice Chamber, Temperature Organs  
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Orientation, New Literature  
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Nutrition Experiments, Students  
Carbohydrates  
Symbiosis (3 folders)  
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Stored Products  
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Other Vitamins

Box 9:

Green Leaves  
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Basis of Specificity

Literature and Tables, Chemical Composition  
 Leaf lecture  
 Material for Class Lectures  
 Insect Physiology, Second semester  
 Leaves Lecture  
 Green Leaves  
 Leaves (literature)  
 Specificity Data & Literature  
 Bibliography on Insect Nutrition (1947)

## Grants

NSF Grant PCM-7724247, 1980  
 NSF Grant Applications & Award/ NSF Guidelines 1981-82  
 NSF Grant Budget, Nov. 1977-  
 Siva, 1983  
 NSF Grant PCM-7724247 - Additional Support, 1978-80  
 NSF Application, 1977  
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 Grant Accounts 1976-77  
 Research Board, 1976  
 NSF, December, 1973  
 NSF - General Information, 1976  
 00533  
     Applications, 1971-72  
     Renewal, 1969  
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 NIH Grant 5 ROI A 100533-19 Application/Award, 1969-70  
 NIH Career Award, 1967-72  
 Training Grant Renewal, 1968-1975  
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 P.H. Training Grant Application, 1962  
 NSF Application GB1005, 1960-70  
 NSF 5441X, 1970  
 NSF Bursicon, 1966-70  
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 NIH Career Award, 1964-65  
 AI-00533-15, 1964-66  
 Office of Naval Research  
     Contract Nonr 1834(07), NR 107-082, 1956-1965  
     Grant Applications, 1956, 1961-65  
 US PH 533-13, 1961-65

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**ADDENDUM: a 2<sup>nd</sup> accession of 2 boxes was transferred from the Department of Entomology to the university archives in spring 2017; processed in summer 2017.**

**Gottfried S. Fraenkel Papers, 1925-1984  
Entomology, UIUC**

**ID: 15/8/22**

**Arrangement:**

**Series 1: Research and Professional Files  
Series 2: Course Files  
Series 3: Publications**

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**Series 1: Research and Professional Files**

Consists of Gottfried S. Fraenkel's correspondence, handouts, research notes, and subject files. Materials are arranged alphabetically.

**Box 10**

1. Barcant, Malcolm, 1974-1977
2. Baxter, R.N., 1967-1986
3. Brassolidae - Caligo of Peru, undated
4. Colias: Cladistic analysis, 1991
5. Collins, Mike, 1971
6. Diptera, undated
7. Fluorescence, undated
8. Hyalophora columbia, 1984
9. Hypermetamorphosis pupation, undated
10. Izaak Walton League newsletter, 1966
11. Lepidoptera, c. 1975
12. Lepidoptera; classification, 1967
13. The morphology of insects handout, undated
14. Peña, Luis E., 1967-1975
15. Plaumann, Fritz, 1966-1973
16. Queensland Butterfly Company, 1973-1974
17. Rentien, M., 1979-1982
18. Siphonaptera, undated
19. Smetacek, Fred; India, 1973-1975
20. Ströder, Karl, 1971
21. Taiwan Novelty Co., Ltd., 1966-1967
22. Taschenberg, E.F., 1970
23. Taylor, Thomas, 1971
24. Television Equipment, 1970
25. Thorne, Ken, 1979

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27. Unanswered Queries, 1970
28. U.S. Department of Agriculture Leaflets, 1958-1964
29. Waldbauer, W., 1971
30. Walker, T.J.; cecropia moths, 1970
31. Walter, Eugene, 1970
32. Walters, Mike, 1979-1980
33. Weast, R.; cecropia moths, 1970
34. Welling, Eduardo C., 1967-1982
35. Wind, Robert, 1971-1972
36. Wonder Bird Tours, 1980
37. Worldwide Butterflies, Ltd., 1965-1967
38. Worth, C. Brookes, 1973
39. Zajdel, Richard K., 1969-1972

**Series 2: Course Files**

Consists of Gottfried S. Fraenkel's teaching materials, including handouts, lecture notes, lab instructions, and assignments for entomology courses at the University of Illinois. The series also includes original drawings and diagrams relating to entomology. This series is arranged by course number and then chronologically with drawings and diagrams listed at the end of the series.

**Box 10**

40. Entom. 301, 1968
41. Entom. 301, spring 1971
42. Entom. 301 Diapause lab 20, 1971
43. Entom. 301 Cuticle lab 20, undated
44. Entom. 301 Osmoregulation Lab 26, 1971
45. Entom. 301 Excretion lab 27, 1971
46. Entom. 301 General information, 1972
47. Entom. 301 Physiological laboratory exercises, spring 1972
48. Entom. 301 Rearing, spring 1972
49. Entom. 301 Slide presentation, spring 1972
50. Entom. 301 1st, 2nd, 3rd hour exam, final, spring 1972
51. Entom. 301 Lect. 9, 1972
52. Entom. 301 Lect. 13, Friedman sensory organs, 1972
53. Entom. 301 Lect. 14, Friedman, 1972
54. Entom. 301 Lect. 15, 1972
55. Entom. 301 Lect. 16, 1972
56. Entom. 301 Lect. 17, 1972
57. Entom. 301 Lect. 18, MacLeod, 1972
58. Entom. 301 Lect. 19, 1972
59. Entom. 301 Lect. 20, 21, 22, Hoad and mouthparts, 1972
60. Entom. 301 Lect. 23, MacLeod, 1972
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62. Entom. 301 Lect. 25, Friedman, 1972
63. Entom. 301 Lect. 26, Friedman, 1972
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65. Entom. 301 Lect. 29, 1972
66. Entom. 301 Lect. 30, 1972
67. Entom. 301 Lect. 31, 1972
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77. Entom. 301 Lab 10 with lect. 14, 1972
78. Entom. 301 Lab 13, 1972
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81. Entom. 301 Lab 18, 19, 20, 1972
82. Entom. 301 Orthopteroids, undated
83. Entom. 312 hemimetabolous and holometabolous conditions, undated
84. Entom. 301 and 410, Tagmosis, undated
85. Entom. 410, Head-original text, undated
86. Entom. 410 Lab, Original and copy long version, undated
87. Abdomen and drawings copies, undated
88. Copies of abdomen morphology drawings, undated
89. Head original drawings, undated
90. Nervous system, original text and drawings, undated
91. Nervous system copies, undated
92. Thorax and abdomen original drawings, undated
93. Thorax drawings copies, undated

**Series 3: Publications**

This series includes a biographical folder and the bound publications of Gottfried S. Fraenkel, ranging from 1925-1987. After a folder with biographical materials, the bound publications are arranged by volume number.

**Box 10**

94. Biographical folder, 1972
95. Works of G. Fraenkel, Volume 1, 1925-31
96. Works of G. Fraenkel, Volume 2, 1932-34

**Box 11**

1. Works of G. Fraenkel, Volume 3, 1934-43
2. Works of G. Fraenkel, Volume 4, 1944-52
3. Works of G. Fraenkel, Volume 5, 1953-56
4. Works of G. Fraenkel, Volume 6, 1957-62
5. Works of G. Fraenkel, Volume 7, 1940-61
6. Works of G. Fraenkel, Volume 8, 1962-68
7. Works of G. Fraenkel, Volume 9, 1968
8. Works of G. Fraenkel, Volume 10, 1969-74
9. Works of G. Fraenkel, Volume 11, 1975-87
10. Works of G. Fraenkel, Volume 12, 1954-87

**Processing Notes:** the 2<sup>nd</sup> accession of 2 boxes, transferred from the Department of Entomology to the university archives in spring 2017, was processed in summer 2017. We weeded secondary literature and newsletters. Processed by Olivia Hagedorn, under the supervision of Susanne Belovari, August 2017.