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Liberal Arts and Sciences **Entomology Department** Robert L. Metcalf Papers, 1935-98

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Biographical Note

1916 - Born in Columbus, Ohio on November 13

1939 - B.A. in Entomology and Chemistry, University of Illinois

1940 - M.A. in Entomology, University of Illinois

1943 - Ph.D. in Entomology, Cornell University

1943-46 - Assistant and Associate Entomologist, Tennessee Valley Authority, Wilson Dam

1944-45 - Technician, U.S. Navy (malaria control research)

1946-53 - Assistant and Associate Entomologist, University of California, Riverside

1951-63 - Chairman, Entomology Department, University of California, Riverside

1953-68 - Professor of Entomology and Entomologist, University of California, Riverside

1958 - President, Entomological Society of America

1963-68 - Vice Chancellor, University of California, Riverside

1968-87 - Professor of Entomology, Biology, Environmental Studies, and Veterinary Pharmacology, University of Illinois

1969-72 - Head of Department of Zoology, University of Illinois

1970 - Created Laboratory Model Ecosystem

1980-95 - Principal Scientist, Illinois Natural History Survey

1981-86 - Professor, Center for Advanced Study, University of Illinois

1994-96 - Professor in Residence, Interim Director, Center for Exotic Pest Research, University of California, Riverside

1998 - November 11, died in Urbana, Illinois

Box 1:

BIOGRAPHICAL INFORMATION

Bibliographies / Publications Lists

Biographical Data and Sketches

C.V.'s - Robert L. Metcalf

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1956-97, Personal Correspondence

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1973, Interview Transcript

1976-97, Awards

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PUBLICATIONS

Undated Publications

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Reprints (See Publications Lists in Box 1 for a guide to the reprints)

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Organic Insecticides - Notes, Research, Flier, Correspondence, 1955
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"Plant Volatiles as Insect Attractants," 1986-87

"Synergism of Floral Volatiles as Attractants for *Diabrotica undecimpunctata howardi*" *Ullman's Encyclopedia of Industrial Chemistry* - "Insect Control," 1989 *Ullman's Encyclopedia of Industrial Chemistry* - "Insect Control," 1989-90 "Uptake and Fate of Di-2-ethylhexylphthalate in Aquatic Organisms," 1972 White-Stevens Publication Correspondence and Notes - Herbicides, 1964-66

CONFERENCES AND LECTURES

- 1954, Entomology Seminar "Insects and Human Disease"
- 1959, Spallanzani Congress
- 1959, 2nd Inter-American Symposium on the Peaceful Application of Nuclear Energy
- 1960, 92nd Charter Anniversary Univ. of California Lecture: "Biochemical Aspects of Insecticidal Action
- 1966, FAO Symposium on Integrated Pest Control "Requirements for Insecticides of the Future"
- 1970, Background for Decision: a One-Day Educational Symposium on Pesticides "Environmental Implications of Pesticide Use"
- 1973, Liberal Arts and Sciences (LAS) Alumni Symposia
- 1978, "Pest Resistance to Pesticides: Challenges and Prospects"
- 1979, Distinguished School of Life Sciences Lecturer
- 1980, Conference on the Biology and Chemistry of the Cucurbitaceae "Coevolution of Cucurbita and Diabroticites"
- 1986, Gordon Conference
- 1986-87, York Distinguished Lecturer Series University of Florida
- 1987, Robert Van der Bosch Award Address "Benefit/Cost Considerations in the Use of Insecticides"
- 1987, "Pesticides and Pest Management" Conference
- 1988, Rutgers Entomology Centennial Celebration "Insecticide Resistance: Needs and Propects"
- 1988, "The Chemical Behavior of Pesticides"
- 1989, Entomological Society of America Centennial Symposium
- 1989, 11th Joseph LeConte Lecture "Plants-Chemicals-Insects: Aspects of Coevolution"
- 1990, Louisiana State University College of Agriculture Week
- 1990, Distinguished Scientist Lecture Cornell
- 1996, Illinois Agricultural Pesticides Conference
- 1996-97, Exotic Fruit Fly Research Symposium
- "Methods of Estimating Effects"
- Oregon State University Distinguished Visiting Professor Seminars

TEACHING MATERIALS

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Box 7:

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COMMITTEES AND MEMBERSHIPS

Ad Hoc Museum Development Committee, 1975-76 Agricultural Entomology Planning Committee, 1990 Alarm Systems - Protective Committee, 1959-60

Seminar on Chemical and Environmental Sciences, 1969

American Association for the Advancement of Science (AAAS) Council, 1989 American National Red Cross - Riverside County Chapter, 1965 Animal Care Facilities Committee, 1980 Board of Natural Resources and Conservation, 1981-95 Center for Exotic Pest Research (CEPR), 1995-96 Committee for an Assessment of Polychlorinated Biphenyls in the Environment, 1978 Committee for the Development of Selective Insecticides for Pest Management, 1972 Committee on Academic Integrity, 1990 Cucurbit Genetics Cooperative, 1981 Dial Club, 1970 Institute for Environmental Sciences - Executive Committee, 1973 National Academy of Sciences 1967-97 1969-72 Applied Biology Section, 1969-82 Committee on Research Advisory to the U.S. Department of Agriculture, 1971-72 Nominations, 1972-83 Nominations, 1989 Proceedings, 1972-88 Role of Animals Task Force, 1969 Trips, 1973 National Institute of Ecology, 1970-72 National Research Council 1969-73 1970 **Insect Control Committee** December 1944 - June 1945 June - November 1945 December 1945 - September 1946 Aerosol, 1945-46 Box 9: Presidential Cabinet Committee on the Environment, 1971 Research Policy Committee Correspondence (2 folders), 1989-90 Drafts, 1989-90 Meeting Materials March - May 1990 June - August 1990 Surveys, 1989-90 Symposium Manuscripts, 1989 Scientific Programme Committee, 1975

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SUBJECT FILE

Australia - Visiting Professorship, 1979 Center for Advanced Study, 1981 College Fellowships, 1940 Diabrotica Correspondence, 1994-97 Employment Correspondence, 1951-89 Entomological Society of America - Export of Pesticides, 1995 Graduate Students, 1983 Laboratory Safety, 1979 Lampman, Richard - Correspondence, 1996 Lead Project Newsletter, 1970-73 Liberal Arts and Sciences (LAS), College of, 1973-75 LAS Alumni Symposium, 1974 LAS Faculty - Meetings and Minutes, 1972-73 Long Range Planning, 1971 Manuscripts - Accepted, 1988-89 Manuscripts - Correspondence, 1972-88

Manuscripts for Review, 1971-76 Mass Spectrometry Laboratory, 1978-83 Metcalf - Notes Metcalf - Personal (2 folders) Mitchell, W. C. - Hawaii, 1990 Mosquito Control ULV, 1982-89 Mrak, Dr. Emil, 1971 National Institutes of Health, 1970-72 National Science Foundation Sheets, 1970 Natural Areas Projects, 1987 Natural History Survey 1970-83 Chief Search, 1986 Reports, 1973 Neurotoxicity Correspondence - Workshop, Larry Hansen, 1981-82 New York State College of Agriculture and Life Sciences, 1973 Nuclear Magnetic Resonance Facility, 1981 Nutritional Sciences, 1967 Oak Ridge National Laboratory, 1973 Box 13: Oakley-Sangamon Environment Research Program, 1972 Peace Corps, 1971 P.H.S. Program, 1967 Plant Protection Center, Taipei - Newsletter, 1972 Population Task Force, 1971 Positions Available, 1970-73 Promotion, Tenure, 1984 **Publications Correspondence** Annual Review of Entomology 1975-76 1979 Cry California, 1979 Chemical Ecology, 1984-85 Destructive and Useful Insects, 3rd Edition - Comments, 1951-66 Destructive and Useful Insects, 1960-76 Destructive and Useful Insects, 4th Edition, 1961-64 Ecology and Management of Food Pests - FDA, 1979 Hammond, Bruce, 1978-79 Interscience Publishers, Inc. - Guide Manuscripts for Lu and Metcalf Manuscripts for Review, 1969-77 McGraw-Hill Book Company, 1941-61

McGraw-Hill - Fundamentals of Insect Correspondence, 1957 Natural History Survey Book, 1973 New Environmental Journals, 1970-75 Pesticide Biochemistry and Physiology, 1973 Publications Correspondence, 1955-92 Reprint Requests, 1971-73 Royalties Correspondence, 1948-89 Radioisotopes Laboratory, 1971 Raheel - Textiles, 1982 Research Board, 1972, 1978 Reviews - Departmental, 1972-73 Research Correspondence, 1972 Rhodes, Ashby M. - Correspondence, 1980-82 Rosemarie Von Rümker Consultants. 1972-73 Sabbatical Leave, 1984 School of Life Sciences 1969-73 Advisory Committee, 1974-82 Animal Care Committee, 1982 Director Search, 1983 (2 folders) Meetings and Minutes, 1972-73 National Rankings, 1983 Shop, 1976 School of Medical Sciences, 1980-81 Scientific Equipment Program - Booth, 1969-72 Secretary's Advisory Committee for the 1972 UN Conference on the Human Environment, 1971 Singerman, Gary - Correspondence, 1975-77 Sigma Xi, 1972-89 Sino-America Seminar - Taiwan, 1977 Smithsonian Science Information Exchange, Inc., 1973 Society of Toxicology, 1973

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Report, 1976 American Cyanamid Grant, 1982 Biocontrol Limited, 1990 Biomedical Research Support Grant 1977 1979 1980 1982 - School of Life Sciences 1983 - "Structure Activity Relationships in Diphenyl Ether Teratogenicity" 1984 Biotechnology Grant, 1988 Box 15: California Department of Food and Agriculture Grant, 1987-90 (2 folders) Center for Exotic Pest Research Proposal - California Avocado Commission, 1995 Center for Exotic Pest Research Proposal, 1995 Coal Gasification Proposal, 1975 Corn Entomology Program, 1985 DDT, 1972-80 DDT Research - Biodegradability Experiment Data, 1972-74 Dellinger - Proposal, 1981 Department of Energy and Natural Resources (DENR) Waste Tire Grant, 1990 Department of Health, Education, and Welfare, 1972 **Energy and Natural Resources** Grant, 1987 Natural History Survey Mosquito Project, 1994 Novak Act, 1989 Research Proposal, 1987 Energy Research and Development Administration - "Assessment of Environmental Toxicology of Waste Products of Coal Hydrogenation," 1976-77 Environmental Protection Agency (EPA) Benchmark Program, 1975 "The Fate of Select Pesticides in the Aquatice Environment," 1973-74 Neurotoxicity, 1981 Neurotoxicity Leptophos, 1981 **Partition** 1976-78 Coefficient and Paper, 1977 Final Report Values - Pesticides, 1987 Proposal - "Evaluation and Use of Protocols for Environmental Testing," 1978 Proposal - Gary V. Johnson, 1981 Request for Proposal (RFP) Literature, 1975-78

"Role of Mixed Function Oxidases in Insecticide Action," 1975

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Research Notebooks

Robert L. Metcalf Research Notebooks

Entomology 7a - Insect Morphology

1941-42: Lecture Notes

1942: Insect Bionomics and Physiology

1942: Lab Work 1942: References

1943: O.S.R.D. Report Material: Health and Safety Department, Tennessee Valley Authority - Wilson Dam, Alabama

1944: Research

1945: Geological Survey Field Notebook

Box 20:

1959: WHO Compounds (2 Notebooks)

1964-66: Research

Jan. 1968 - June 1969: Laboratory Research

1971-73: Model Ecosystems - Lindane

Feb. - Sept. 1972: Laboratory Research

1975: China Trip (3 Notebooks)

Sept. 1976 - Oct. 1978: Laboratory Research (2 Notebooks)

1977: Fruitfly Research #1 and #2

Oct. 1978 - Sept. 1979: Research (2 Notebooks)

Jan. 1980 - Aug. 1981: Laboratory Research (3 Notebooks)

May 1980, Aug. 1981: Fruitfly Research #3

Oct. 1981 - June 1983: Research (2 Notebooks)

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1986: Fruitfly Research - Hawaii, #9

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1987-88: Fruitfly Research #10 and #11

1988-89: Fruitfly Research #12 and #13

1990: Fruitfly Research #14 and #15

Student/Colleague Research Notebooks

Bowlus, S. - Laboratory Research #1 and #2, 1974

Boyle, Patti - ENT 290

Chang, Caroline - Corn Rootworm/Cucurbitacin and Test Huts, 1974, 1977

Chio, Li Chun and Joel Coats - Research Notes: Degradation

Coats, Joel

1970: Research #1 and #2

1972-73: Research #3 and #4

1973: Research #5

1975: DDT Analogues - Degradation

1975 (July): Acaricides

Coats, Joel, Patti Boyle, and Li Chun Li - Ecosystem for OMS 1715, 2043, 1717, and 2041, 1975

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