



Smithsonian Institution Archives

Robert Elliot Silberglied Papers,  
1960-1982, with related materials to 1984

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## Collection Overview

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| <b>Repository:</b> | Smithsonian Institution Archives, Washington, D.C., <a href="mailto:osiaref@si.edu">osiaref@si.edu</a> |
| <b>Title:</b>      | Robert Elliot Silberglied Papers   |
| <b>Identifier:</b> | Record Unit 7316   |
| <b>Date:</b>       | 1960-1982, with related materials to 1984  |
| <b>Extent:</b>     | b 20 cu. ft. (20 record storage boxes)   |
| <b>Creator::</b>   | Silberglied, Robert E., 1946-1982  |
| <b>Language:</b>   | Language of Materials: English   |

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## Administrative Information

### Preferred Citation

Smithsonian Institution Archives, Record Unit 7316, Robert Elliot Silberglied Papers

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## Historical Note

Robert E. Silberglied (1946-1982) was born and raised in Brooklyn, New York. While in high school, he developed an interest in entomology and wrote his first research paper, on *Drosophila melanogaster*, in 1961. In 1963 he enrolled in the School of Agriculture at Cornell University, where he received the Bachelor of Science degree in 1967 and a Master's degree in 1968. During his years at Cornell, Silberglied's developing interest in evolutionary biology led him to research in insect communication, particularly among butterflies. An early association with Dr. Thomas Eisner and a variety of field work experiences in Mexico, Florida, and Arizona led him to the study of ultraviolet reflection among butterflies, specifically the evolution of reflective patterns and their significance in the process of communication.

Silberglied's research in the field continued when he entered Harvard University to begin his doctoral work in the fall of 1968. At Cambridge, his interests grew as he encountered a number of new work experiences and associations. Field work at the Charles Darwin Research Station in the Galapagos Islands in 1970 began what would be a long-term commitment to research in neotropical entomology. His initial interest was to study mechanisms of insect pollination of flowers, which led to a broad and valuable survey of the islands' insect fauna. During his work in the Galapagos, he made an extensive collection of specimens and, in the process, acquired a valuable working knowledge of the islands and their literature which would frequently be called upon in future collaborative efforts.

While at Harvard, Silberglied continued his field work in Florida at the Archbold Biological Station, as well as in Arizona, Colorado, Kansas, eastern Canada, and Latin America. During this time, his association with Orley R. Taylor, Jr., led Silberglied to a more extensive study of ultraviolet patterns of butterflies through the development of new methods for the visualization and recording of ultraviolet reflection. His work in photographic techniques provided him with a proficiency in optical microscopy that was to be widely recognized alongside his more primary areas of research. Through his work with Taylor, Silberglied

was able experimentally to determine how ultraviolet patterns are used as a communications device in some species of the *Colias* butterfly, for which he was awarded the Ph.D. in 1973.

During his graduate studies at Harvard, Silberglied worked as a teaching fellow from 1968 to 1973. He maintained an active membership in the Cambridge Entomological Society and was elected Vice President in 1969 and President in 1970. This period also saw the first in a long series of scientific publications representing his broadening interests in areas such as mimetic communities, the role of vision in insect behavior, the physiology of vision, ultraviolet patterns of flowers, and the terrestrial invertebrates of the Galapagos Islands. His experience at Harvard also fostered what would be long-term associations with Edward O. Wilson and Frank M. Carpenter, staff members at the Museum of Comparative Zoology (MCZ).

Following the completion of his formal training in 1973, Silberglied simultaneously held a number of positions over the next eight years. From 1973 to 1978 he served as an Assistant Professor of Biology at Harvard, teaching courses in various aspects of arthropod biology, ecology, evolutionary biology, and behavior. During this same period he worked as Assistant Curator of Lepidoptera in the MCZ Department of Entomology. His primary goals at the MCZ were reorganization of the collections, improved curation methods, and wider utilization of the collections in teaching and research. He was also instrumental in setting up the MCZ Scanning Electron Microscope facility, a project that occupied his energies until 1980.

Silberglied's interest in conservation led him to join the Lignum vitae Key University Council in 1973. Lignum vitae Key in Florida is the only preserve of West Indian lowland hardwood forest remaining in the United States; and for the next eight years Silberglied devoted much of his time and energy to its preservation and management. Silberglied was also involved in a study of the Costa Rican National Park System, and he co-authored (with Thomas Simkin of the Smithsonian's National Museum of Natural History) a computerized bibliography of the Galapagos Islands.

Silberglied also served as a consultant to the Biological Laboratories at Harvard, as a member of the editorial board of *Psyche*, and as a member of the governing board of the Organization for Tropical Studies. In addition, he served as a contributing reviewer for several non-scientific journals and was an active member of the Entomological Society of America.

In 1976, a new dimension was added to Silberglied's career with his appointment as a biologist at the Smithsonian Tropical Research Institute (STRI) in Panama. This position divided his research, teaching, and administrative responsibilities between Cambridge and Panama, as he began spending approximately half of each year in the American tropics. In 1977, Silberglied became a permanent member of the scientific staff at STRI as a Research Entomologist. In the same year, he also received promotions at Harvard becoming an Associate Professor of Biology and the Associate Curator of Lepidoptera at MCZ--positions he would hold until his departure from Cambridge in 1981.

While serving as a staff member at STRI, Silberglied's research interests were expanded. In concert with Dr. Annette Aiello, he conducted experimental work involving a number of behavioral, ecological, and evolutionary problems among many species of tropical insects, especially Lepidoptera. Among other projects, they studied the origin and evolution of reproductive isolating mechanisms and the way in which color and pattern influenced predator-prey relationships and intra- and intersexual communication. The work was greatly enhanced by Silberglied's expertise in ultraviolet photography. Their efforts resulted in several important findings and led to a number of joint publications.

In addition to his research at STRI, Silberglied served on the Smithsonian Fellowship Selection Committee in Tropical Biology and as an advisor to individual students studying at the facility. He was also involved in a variety of administrative responsibilities as Scientist-in-Charge at the Barro Colorado Island research station. While in residence he devoted a considerable portion of his time to drawing up plans for the administration and management of the biological preserve.

Despite a rather full schedule of research, teaching, and administrative activities, Silberglied managed to maintain active membership in a variety of conservation organizations and professional societies. His expertise as an entomologist led to many speaking engagements, and his pioneering efforts in the field of photography led to frequent work as a consultant to cinematographers doing natural history documentary work. Silberglied maintained these diverse interests and enthusiasms until his untimely death in the Air Florida accident in Washington, D.C., on January 13, 1982.

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## Chronology

|           |  |
|-----------|--|
| 1946      | Born in Brooklyn, New York, June 19  |
| 1963      | Received New York State Regents Scholarship  |
| 1963      | Entered College of Agriculture, Cornell University   |
| 1964      | Appointed part-time Assistant to Curator, Insect Collections, Cornell University   |
| 1964      | Member of New York (Brooklyn) Entomological Society  |
| 1965      | Member of Cornell University Mexico Field Research Party (with Dr. W. L. Brown, Jr.)   |
| 1965-1968 | Ford Three-Year Scholar's Program  |
| 1966      | Appointed Field Research Assistant to Dr. Thomas Eisner at Archbold Biological Station in Florida and at Cave Creek Ranch, Portal, Arizona |
| 1966-1968 | Part-time Assistant to Librarian, Entomology Library, Cornell University   |
| 1967      | Appointed Field Research Assistant (with D. Simberloff for Dr. E. O. Wilson) in Florida Keys and Arizona                                   |
| 1967      | Received B.S., Cornell University  |
| 1967      | Entered Cornell University, Department of Biology as graduate student  |
| 1968      | Received M.S., Cornell University  |
| 1968      | Entered Harvard University as post-graduate  |
| 1968-1973 | Teaching fellowship, Department of Biology, Harvard University   |
| 1968-1982 | Member of Cambridge Entomological Society  |
| 1969      | Field work at Archbold Biological Station in Florida   |
| 1969      | Elected Vice President, Cambridge Entomological Society  |
| 1969-1973 | Richmond Fellowship, Harvard University  |
| 1970      | Member of Graduate Student Council, Department of Biology, Harvard University  |
| 1970      | Elected President, Cambridge Entomological Society   |
| 1970      | Field work at Charles Darwin Research Station in the Galapagos Islands   |
| 1970      | Field work at the E. N. Huyck Preserve, Albany County, New York  |

1971 Field work in Florida, Arizona, and Colorado

1972 Participated in Organization for Tropical Studies trip to Costa Rica

1972 Field work in Nova Scotia, Kansas, Colorado, and Arizona

1973 Received Ph.D., Harvard University

1973 Field work in Costa Rica, Guatemala, and Ecuador

1973 Published "Ultraviolet Differences Between Sulphur Butterflies"

1973-1974 Member of Executive Committee, Cambridge Entomological Society

1973-1977 Member of Library Committee, Museum of Comparative Zoology, Harvard University

1973-1978 Assistant Professor of Biology, Harvard University

1973-1978 Assistant Curator of Lepidoptera, Museum of Comparative Zoology, Harvard University

1973-1982 Consultant to the Biological Laboratories Insectary Facility, Harvard University

1973-1982 Member of Lignum vitae Key (Florida) University Council

1973-1982 Member of Editorial Board, *Psyche*

1974 Field work at Archbold Biological Station in Florida

1974-1975 Section Vice Chairman, Section A (Systematics, Morphology and Evolution), Entomological Society of America

1974-1975 Member of Scanning Electron Microscope Committee, Museum of Comparative Zoology, Harvard University

1974-1980 Member of Scanning Electron Microscope Facility Committee, Department of Biology, Harvard University 1974-1981 member of Entomological Society of America

1974-1980 Member of Governing Board, Organization for Tropical Studies (representing Harvard University)

1975 Field work in Panama

1975 Participated in a safari to Ethiopia, Kenya, and Tanzania

1975 Served on Program Evaluation Committee, Section A (Systematics, Morphology and Evolution), Entomological Society of America

1975-1976 Section Chairman, Section A (Systematics, Morphology and Evolution), Entomological Society of America

1975-1980 Contributing reviewer for *American Reference Book Annual*

1976 Appointed Biologist, Smithsonian Tropical Research Institute (STRI)

1976 Member of Nominating Committee and Special Constitution and By-laws Revision Committee, Section A (Systematics, Morphology and Evolution), Entomological Society of America

1976-1977 Organized and administered Natural History Seminar series of Department of Biology, Harvard University

1976-1980 Member of Education Committee, Organization for Tropical Studies

1977 Field work in Panama, Ecuador, and Colombia

1977 Published "Communication in the Lepidoptera"

|           |   |
|-----------|---|
| 1977      | Member of Committee on Meeting Dates, Section A (Systematics, Morphology and Evolution), Entomological Society of America   |
| 1977-1980 | Member of Executive Committee, Organization for Tropical Studies  |
| 1977-1981 | Contributing reviewer for <i>Library Journal</i>  |
| 1977-1982 | Staff Scientist (Research Entomologist), STRI   |
| 1978      | Field work in the Dominican Republic published "Ultraviolet Reflection and its Behavioral Role in the Courtship of the Sulfur Butterflies <i>Colias eurytheme</i> and <i>C. philodice</i> " |
| 1978      | Contributing reviewer for <i>Reprint Bulletin, Book Reviews</i>   |
| 1978-1981 | Associate Professor of Biology, Harvard University  |
| 1978-1981 | Hessel Associate Curator of Lepidoptera, Museum of Comparative Zoology, Harvard University  |
| 1978-1981 | Scientist-in-Charge, Barro Colorado Island research station, STRI   |
| 1979      | Published "Communications in the Ultraviolet"   |
| 1980      | Field work in Colombia  |
| 1981      | Guest speaker at the Royal Entomological Society International Symposium on the Biology of Butterflies, Reading, England  |
| 1981-1982 | Member of Executive Council, Lepidopterists' Society  |
| 1982      | Died in Washington, D.C., January 13  |
| 1984      | Posthumously published "Visual Communication and Sexual Selection Among Butterflies"  |

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## Descriptive Entry

The papers of Robert E. Silberglied provide comprehensive documentation of his professional career. They include materials relating to his initial interest in entomology; his academic training; his teaching career at Harvard University; his duties as a staff member of the Smithsonian Tropical Research Institute (STRI); his efforts as a conservationist; and his research on Lepidoptera. Also included, to a lesser extent, are records documenting his personal affairs.

All aspects of Silberglied's professional life are documented in a large file of correspondence carried on between 1964 and 1982. Particularly well represented are his dual careers at Harvard University and STRI; the development of his research interests; participation in professional activities; and the preparation and publication of scientific manuscripts. The correspondence also includes many letters exchanged with his parents, family members, and friends.

Silberglied's academic career at Cornell University and Harvard University receives extensive coverage in the collection. Included are class notes; personal diaries and daily calendars which document class schedules, student activities, and travel; registration and admission records; and copies of his M.A. thesis and Ph.D. dissertation. Also included are research papers, notes, collecting records, and related materials illustrating Silberglied's interest in entomology as a high school student.

Silberglied's teaching and administrative activities at Harvard University and his work as a staff member at STRI are documented by a wide variety of materials. Records concerning his Harvard appointment include lecture notes, examinations, and evaluations from several courses he taught; files relating to his curatorial duties at the Museum of Comparative Zoology--especially work on the Scanning Electron Microscope

Laboratory; and materials relating to committees, student advising, grants and financial matters, and job negotiations and promotions. His six-year association with STRI is documented by correspondence, memoranda, and related materials concerning various administrative and research activities--particularly the management of the Barro Colorado Island research station.

The collection is extremely valuable in documenting Silberglied's diverse research interests and his participation in professional activities. His efforts in the fields of entomology, evolutionary theory, ultraviolet photography, and conservation are illustrated by drafts of research papers, research proposals, notes, and various forms of scientific data.

Also included are photographs and films, mostly of or relating to butterflies; reprints of his publications; and copies of speeches and lectures presented at professional meetings and to popular audiences. Field notes document extensive research in the Galapagos Islands, Lignum vitae Key (Florida), and various regions of the United States and Central America. Also, Silberglied's correspondence contains a continuous exchange of ideas and information with colleagues throughout the entomological community.

In addition to correspondence with family and friends, Silberglied's personal affairs are documented in a group of collected materials including diaries and daily calendars; health records; his professional dossier; records concerning income taxes, selective service status, and personal property; and similar materials. A small group of photographs of Silberglied, family members, and friends is also found in the collection.

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## Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

Subjects:

- Biologists
- Entomologists
- Entomology
- Tropical biology

Types of Materials:

- Black-and-white negatives
- Black-and-white photographs
- Clippings
- Diaries
- Field notes
- Manuscripts
- Motion pictures (visual works)
- Serials (publications)

Names:

- Cornell University
- Harvard University
- Harvard University. Museum of Comparative Zoology
- Silberglied, Robert E., 1946-1982
- Smithsonian Tropical Research Institute



Geographic Names:

Barro Colorado Island (Panama)

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## Container Listing

### Series 1: General Correspondence, 1964-1982, and undated

This series consists of a broad range of both personal and professional correspondence which documents the career of Robert E. Silberglied. Included is correspondence concerning his early research endeavors as an undergraduate and graduate student at Cornell University (see especially under Thomas Eisner); the continuation of his scientific pursuits in the field of entomology at Harvard University (see especially under Frank M. Carpenter and Edward O. Wilson); his proficiency in optical microscopy, specifically in the area of ultraviolet and infrared photography (see especially under Helen Ghiradella and Orley R. Taylor, Jr.); his experiences as a teacher and student advisor in the Department of Biology, Harvard University, and at the Smithsonian Tropical Research Institute (STRI); his activities as curator of the Lepidoptera Collection at the Museum of Comparative Zoology (MCZ); his participation in various scientific and professional societies concerned with research and conservation in the field of entomology (see especially the Entomological Society of America); his involvement in tropical biology as Research Entomologist at STRI; and his publishing efforts in both scientific and non-scientific journals (see especially *American Reference Book Annual* and *Library Journal*). Letters exchanged between Silberglied and his parents, sister, and friends provide insight to his family and personal life.

Arranged Alphabetically.

#### Box 1

|             |   |
|-------------|---|
| Box 1 of 20 | Ab-Am, general  |
| Box 1 of 20 | Alsop, David W., 1967-1970, 1975-1978   |
| Box 1 of 20 | American Institute of Biological Sciences (AIBS), 1966-1968, 1970, 1972, 1979   |
| Box 1 of 20 | <i>American Reference Book Annual</i> , 1975, 1979-1981. Includes book reviews by Silberglied.  |
| Box 1 of 20 | An-Au, general  |
| Box 1 of 20 | <i>Animal Behavior</i> , 1972, 1974-1975, and undated. Includes manuscript reviews by Silberglied.  |
| Box 1 of 20 | <i>Annual Review of Ecology and Systematics</i> , 1979. Contains an abridged version of his publication, "Communication in the Ultraviolet."                                    |
| Box 1 of 20 | Archbold Biological Station, undated. Includes historical, environmental, and research information for visiting investigators.  |
| Box 1 of 20 | Arnett, Ross H., Jr., 1967-1969, 1972-1975, 1978. Includes information about the North American Beetle Fauna Project sponsored by the Biological Research Institute of America. |
| Box 1 of 20 | Ba-Bi, general  |

- Box 1 of 20 Becher, Joan, 1970, 1973, 1977-1978, 1980, and undated. Contains personal correspondence with his sister.
- Box 1 of 20 Bernard, Gary D., 1968-1970, 1972-1973, 1975-1979
- Box 1 of 20 BI-Bo, general
- Box 1 of 20 Br-By, general
- Box 1 of 20 Broadhead, Edward, 1978-1979, 1981, and undated. Contains information regarding Canopy Fogging Project across the Isthmus of Panama.
- Box 1 of 20 Buchmann, Stephen L., 1976-1981
- Box 1 of 20 Burnham, Laurie, 1978-1981
- Box 1 of 20 Ca-Ch, general
- Box 1 of 20 Cambridge Entomological Club, 1968, 1970-1981
- Box 1 of 20 Caney, Elizabeth E., 1976, 1978, and undated. Contains information on the Center for Field Research and Earthwatch.
- Box 1 of 20 Carpenter, Frank M., 1968, 1970, 1973, 1975-1981
- Box 1 of 20 CI-Cu, general
- Box 1 of 20 Covell, Charles V., Jr., 1971-1978, 1981-1982
- Box 1 of 20 Crompton, Alfred W. ("Fuzz"), 1973-1976, 1978-1981

Box 2

- Box 2 of 20 Da-Di, general
- Box 2 of 20 Davis, Donald R., 1973, 1975, 1977-1979, 1981
- Box 2 of 20 Do-Du, general
- Box 2 of 20 Dressler, Kerry, 1976-1981, and undated
- Box 2 of 20 Ea-Em, general
- Box 2 of 20 Eisner, Thomas, 1967-1981, and undated. Includes correspondence with Eisner (Cornell University) as a student, research assistant and scientific collaborator in the field of Lepidoptera communication. (4 folders)
- Box 2 of 20 En-Ev, general
- Box 2 of 20 Entomological Society of America, 1967-1968, 1970-1971, 1973-1981, and undated

- Box 2 of 20 Entomological Society of America, Meetings. Includes information concerning the following meetings: Hershey, Pennsylvania (Eastern Branch), 1974; New Orleans, 1975; Honolulu, 1976; and Atlanta, 1980. (4 folders)
- Box 2 of 20 EROS Data Center, 1972, 1974, and undated
- Box 2 of 20 Fa-FI, general
- Box 2 of 20 Ferris, Clifford, 1971-1973
- Box 2 of 20 Fisher, Martha, 1976-1980, and undated
- Box 2 of 20 Fo-Fu, general
- Box 2 of 20 Foster, Robin, 1979. Includes a plant list (draft copy) of Barro Colorado Island.
- Box 2 of 20 Ga-GI, general
- Box 2 of 20 Ghiradella, Helen, 1970-1975, 1977-1979, and undated. Contains correspondence, research information and photographs documenting collaborative work in the study of the ultrastructure of ultraviolet reflecting butterfly scales.
- Box 3
- Box 3 of 20 Go-Gw, general
- Box 3 of 20 Gula, John, 1976-1977
- Box 3 of 20 Gupta, Anand, 1976-1979
- Box 3 of 20 Ha-He, general
- Box 3 of 20 Hi-Hy, general
- Box 3 of 20 Hinnebusch, Nancy, 1976-1980, and undated
- Box 3 of 20 Hinton, Howard E., 1968-1969, 1977-1978
- Box 3 of 20 Hlavac, Tom, 1977
- Box 3 of 20 Hoffmaster, Debra, 1979
- Box 3 of 20 Hyatt, Martin B., 1977-1978, 1981, and undated
- Box 3 of 20 I, general
- Box 3 of 20 J, general

- Box 3 of 20 Janzen, Daniel H., 1973-1974, 1978-1981, and undated. Includes Silberglied's contribution made to the publication, *Dry Costa Rican Natural History*.
- Box 3 of 20 Jutro, Peter, 1971-1972, 1974-1977, and undated. Contains information concerning the Lignum vitae Key Tourist Trail Proposal.
- Box 3 of 20 K, general
- Box 3 of 20 Kipp, Larry, 1975, 1977-1978, and undated
- Box 3 of 20 Knutson, Lloyd V., 1977-1980. Includes information from the Insect Identification and Beneficial Insect Introduction Institute, U.S. Department of Agriculture.
- Box 3 of 20 La-Li, general
- Box 3 of 20 Lamas, Gerardo, 1979-1981, and undated. Includes correspondence concerning the co-publication, "Neotropical Butterflies of the Genus *Anartia*: Systematics, life histories and general biology."
- Box 3 of 20 Lanza, Janet, 1973-1976
- Box 3 of 20 Lawrence, Thomas Gordon, 1971-1973, and undated
- Box 3 of 20 Lepidopterists' Society, 1969, 1971-1975, 1977, 1979-1982
- Box 3 of 20 Levi, Herbert W., 1965, 1968, 1970, 1973-1981, and undated
- Box 3 of 20 Levi, Sharon, 1975-1976
- Box 3 of 20 *Library Journal*, 1977-1981, and undated. Includes book reviews by Silberglied.
- Box 3 of 20 Linsley, E. Gorton, 1965-1966, 1968, 1970-1973, 1976-1979, and undated
- Box 3 of 20 LI-Ly, general
- Box 3 of 20 Lloyd, D. Monte, 1976, and undated
- Box 3 of 20 Lyon, Don, 1973-1975
- Box 4
- Box 4 of 20 Ma, general
- Box 4 of 20 Mc, general
- Box 4 of 20 Me-Mi, general

- Box 4 of 20 Melville, Richard V., 1980. Includes drafts of Silberglied's paper, "*Papilio Fatama Fabricius*, 1793: Request for Conservation Under the Plenary Powers Z.N."
- Box 4 of 20 Merlin, Godfrey, 1972-1974, 1976. Includes proposed bird illustrations for the Galapagos Field Guide.
- Box 4 of 20 Mo-My, general
- Box 4 of 20 Na-No, general
- Box 4 of 20 National Science Foundation, 1964-1967, 1975-1977, and undated. Contains information on grants for scientific research.
- Box 4 of 20 O, general
- Box 4 of 20 Pa-Pl, general
- Box 4 of 20 Peace Corps, 1967-1968, and undated
- Box 4 of 20 Pechuman, Laverne Leroy, 1965, 1967-1972
- Box 4 of 20 Pierce, Naomi, 1975-1981
- Box 4 of 20 Po-Pu, general
- Box 4 of 20 Pollitt, Geoffrey P., 1970, 1973-1977
- Box 4 of 20 Purdue University, 1966, 1970, and undated
- Box 4 of 20 Q, general
- Box 4 of 20 Ra-Ri, general
- Box 4 of 20 Ro-Ry, general
- Box 4 of 20 Robbins, Robert K., 1974, 1976, 1978-1981, and undated
- Box 4 of 20 Rose, Hugh, 1977
- Box 5
- Box 5 of 20 Roth, Louis M., 1968, 1970-1971, 1974-1978, and undated
- Box 5 of 20 Roubik, David W., 1974, 1981
- Box 5 of 20 Royal Entomological Society, 1981. Contains information regarding the International Symposium on the Biology of Butterflies.
- Box 5 of 20 Rubinoff, Ira, 1975-1979, 1981, and undated
- Box 5 of 20 Sa-Se, general

- Box 5 of 20                    Scott, James, 1973
- Box 5 of 20                    Sebeok, T. A., 1973-1979, and undated. Contains correspondence concerning the publication of "Communication in the Lepidoptera" in *How Animals Communicate*.
- Box 5 of 20                    Sh-Sn, general
- Box 5 of 20                    Shepard, Julian, 1969, 1977, 1980-1981
- Box 5 of 20                    Sigma Xi, 1973-1980, and undated. Includes several book review drafts for publication in *American Scientist*.
- Box 5 of 20                    Silberglied, Harry, 1970, 1975-1981. Personal correspondence with his parents.
- Box 5 of 20                    Simkin, Thomas, 1970-1981. Includes correspondence concerning co-authorship of Galapagos Islands bibliography. (2 folders)
- Box 5 of 20                    Small, Gordon B., 1977-1981, and undated
- Box 5 of 20                    Smith, Neal Griffith, 1974-1980, and undated
- Box 5 of 20                    So-Sw, general
- Box 5 of 20                    Society for the Study of Evolution, 1974-1975, 1978, 1981, and undated
- Box 5 of 20                    Strickler, Karen, 1971-1981 (4 folders)
- Box 6
- Box 6 of 20                    Ta-Tu, general
- Box 6 of 20                    Taylor, Orley R., Jr. ("Chip"), 1970-1981, and undated. Concerns collaborative efforts in ultraviolet technique and research on butterflies. (5 folders)
- Box 6 of 20                    Thorne, Barbara ("Bambi"), 1976-1981, and un dated
- Box 6 of 20                    Tomlinson, P. Barry, 1971-1972, 1974-1976, 1978-1980. Includes correspondence concerning Lignum vitae Key Island.
- Box 6 of 20                    Traniello, James F. A., 1979-1980
- Box 6 of 20                    U, general
- Box 6 of 20                    V, general
- Box 6 of 20                    Wa-We, general
- Box 6 of 20                    Warner, J. Sauve, 1975-1976

|             |   |
|-------------|---|
| Box 6 of 20 | Weber, Melva, 1976-1978, and undated                    |
| Box 6 of 20 | Weintraub, Jason, 1977-1981, and undated                |
| Box 6 of 20 | Wh-Wy, general  |
| Box 6 of 20 | Wickler, Wolfgang, 1972, and undated                    |
| Box 6 of 20 | Williams, E. E., 1974-1975, 1977, 1979                  |
| Box 6 of 20 | Wilson, Edward O., 1967-1981 (4 folders)                |
| Box 6 of 20 | Winter, William D., Jr., 1972, 1979-1981, and undated   |
| Box 6 of 20 | Woodley, Norman E., 1975-1981, and undated              |
| Box 6 of 20 | Woodruff, David, 1974, 1976-1977, 1981, and undated     |
| Box 6 of 20 | Xerces Society, 1973, 1975-1978, 1980-1981, and undated |
| Box 6 of 20 | Y-Z, general  |

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## Series 2: Student Records, 1960-1973, and undated

This series documents the academic career of Robert E. Silberglied. Included are research papers, collecting records, notes, and a diary reflecting his initial interest in science and entomology as a high school student; admission records from both Cornell and Harvard University; student transcripts (incomplete); records concerning scholarships and fellowships received; information relating to student affairs and activities; class notes taken from a variety of courses at Cornell; and Silberglied's master's thesis and doctoral dissertation.

### Box 7

- Box 7 of 20 Entomology, 1960-1963. Material documenting Silberglied's entomological studies as a high school student. Includes two papers - "An Investigation of Positive Phototaxis in *Drosophila Melanogaster* Meig," 1961, and "The *Colias* Relationship. A problem in Species Determination," 1963 (submitted to 12th annual Ford-Future Scientists of America Awards); a news clipping (July 1, 1962) concerning his initial entomological research; a diary and related materials documenting his participation on the Navy Science Cruise, 1963; and collecting records and notes. (2 folders)
- Box 7 of 20 College of Agriculture, Cornell University, 1964-1967. Materials relating to undergraduate academic registration and degree requirements.
- Box 7 of 20 Undergraduate student records, 1963-1967. Includes student transcripts, student I.D. card, semester forecasting, student housing records, and commencement memorabilia. (2 folders)
- Box 7 of 20 Cornell University paychecks, award certificates, and miscellaneous receipts, 1964-1968
- Box 7 of 20 Graduate school records, Cornell University, 1967-1968, and undated. Contains admission and fellowship/scholarship applications, registration records, thesis and advanced degree requirements, and graduate exam schedule/records.
- Box 7 of 20 Class notes. Entomology 10, 1963-1964.
- Box 7 of 20 Class notes. Calculus, 111, 1964.
- Box 7 of 20 Class notes. Entomology 130/330, 1964.
- Box 7 of 20 Class notes. Entomology 531, 1965.
- Box 7 of 20 Class notes. Geology 105, 1965.
- Box 7 of 20 Class notes. Entomology 322, 1966.
- Box 7 of 20 Class notes. Insect Anatomy, undated.
- Box 7 of 20 Class notes. Geology 202, 1966.
- Box 7 of 20 Class notes. Physics 101, 1966-1967. (2 folders)

Box 8

- Box 8 of 20                    Class notes. Calculus 112, 1967.
- Box 8 of 20                    Class notes. Insect Toxicology, undated.
- Box 8 of 20                    Class notes. Zoology 892/Entomology 820 bibliographies, undated.
- Box 8 of 20                    Master's thesis. "Ultraviolet Reflection of Pierid Butterflies," 1968-1969. Includes early notes, typed original, bound copy of final draft, and copy submitted to Magnum Opus. (4 folders)
- Box 8 of 20                    Harvard University. Pre-admissions and arrival, 1967-1968, and undated.
- Box 8 of 20                    Harvard University, Graduate School of Arts and Sciences, 1968-1973, and undated. Contains a broad range of materials concerning graduate activities in the Department of Biology. Includes information on the Richmond Fellowship, teaching fellowships, the Biological Laboratories, course registration and calendars, staff meetings, student affairs and activities, Ph.D. thesis and exam notifications, requisitions, receipts, check stubs, and miscellaneous correspondence concerning research proposals, financial aid requests, travel itineraries and expenses. (5 folders)
- Box 8 of 20                    "PLANTS," 1969. Contains a collection of pressed plants from the Concord Field Station.
- Box 8 of 20                    Ph.D. dissertation, "Ultraviolet Reflection of Butterflies and its Behavioral Role in the Genus *Colias*." Contains notes and research materials, undated.
- Box 8 of 20                    Ph.D. dissertation, first typed draft, undated
- Box 8 of 20                    Ph.D. dissertation, corrected first draft, May 1973
- Box 8 of 20                    Ph.D. dissertation, corrected final draft, May 1973
- Box 8 of 20                    Ph.D. dissertation, draft for Committee, May 1973

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## Series 3: Harvard University Records, 1968-1981, and undated

This series consists of records created during Silberglied's career as a faculty member at Harvard University. Especially well documented are his teaching activities as Assistant Professor, and later Associate Professor in the Department of Biology; his administrative and curatorial duties in the Department and the Museum of Comparative Zoology; his work with the Organization for Tropical Studies; his ongoing requests for research funds and grants; and personal job negotiations.

### Box 9

- Box 9 of 20                    Materials relating to his position as Assistant Professor, 1973-1978. Includes leaves of absence, salary scales, staff directories, and committee activities.
- Box 9 of 20                    Materials relating to his position as Associate Professor, 1978-1981. Includes leaves of absence, paychecks and miscellaneous business papers.
- Box 9 of 20                    Hessel Position, 1979-1980. Correspondence relating to his application for tenure.
- Box 9 of 20                    Harvard University employee benefit brochures, undated
- Box 9 of 20                    Materials relating to grading policies, 1978, 1980, and undated
- Box 9 of 20                    Materials relating to undergraduate advising, 1976-1981
- Box 9 of 20                    Materials relating to Harvard Cooperative Society, Textbook Department, 1973-1975, 1978
- Box 9 of 20                    Natural History Seminars, 1976-1977, 1979-1980
- Box 9 of 20                    Funds and Grants. Aldrich Fund, 1974.
- Box 9 of 20                    Funds and Grants. Clark Fund, 1973-1975.
- Box 9 of 20                    Funds and Grants. Milton Fund, 1973-1975. (2 folders)
- Box 9 of 20                    Funds and Grants. National Science Foundation Grant, 1976, and undated.
- Box 9 of 20                    Funds and Grants. Richmond Fund, 1975.
- Box 9 of 20                    Funds and Grants. Spencer Foundation Grant, 1974-1975.
- Box 9 of 20                    Funds and Grants. Tozier Fund, 1974-1975.
- Box 9 of 20                    Correspondence concerning the Insectary Facility at the Harvard Biological Laboratories, 1974-1975
- Box 9 of 20                    Museum of Comparative Zoology (MCZ). Concord Field Station, 1972-1974, and undated.
- Box 9 of 20                    MCZ. Friends of the MCZ, 1975, 1977.

- Box 9 of 20 MCZ. Library, 1970, 1974, 1977-1981.
- Box 9 of 20 MCZ. Library Committee, 1973-1977.
- Box 9 of 20 MCZ. Notes on the Lepidoptera Collection, 1978-1980, and undated.
- Box 9 of 20 MCZ. Office/Darkroom Laboratory, 1977, and un dated.
- Box 9 of 20 MCZ. Scanning Electron Microscope Laboratory, 1973-1977, 1981, and undated.
- Box 9 of 20 MCZ. Research proposal for Scanning Electron Microscope, 1974.
- Box 9 of 20 Museum of Comparative Zoology. Scanning Electron Microscope - Comparison reports and responses, undated.
- Box 9 of 20 Museum of Comparative Zoology (MCZ). Scanning Electron Microscope (SEM) - Data from demo SEM specimens and photographs, 1973, and undated.
- Box 9 of 20 MCZ. Scanning Electron Microscope - location and construction of SEM facility, 1973-1974, and undated.
- Box 9 of 20 MCZ. Staff meetings, 1973-1974, 1976-1981.
- Box 9 of 20 MCZ. Whaling correspondence, 1973-1974.
- Box 9 of 20 Correspondence and memoranda relating to faculty members of Organismic and Evolutionary Biology, 1975-1981, and undated
- Box 9 of 20 Materials relating to Herbarium Search Committee, Organismic and Evolutionary Biology, 1973, and undated
- Box 9 of 20 Scientific meetings and lectures, 1973-1981
- Box 9 of 20 Job negotiations, 1972-1973
- Box 10
- Box 10 of 20 Organization for Tropical Studies (OTS). Expense accounts, receipts, and itineraries, 1976-1980, and undated.
- Box 10 of 20 OTS. General information, 1970, and undated.
- Box 10 of 20 OTS. Courses 72-1 and 73-1, 1972-1973. (2 folders)
- Box 10 of 20 OTS. Course outlines and field problems, 1968-1973.
- Box 10 of 20 Organization for Tropical Studies (OTS). Course outlines, field problems, student information, faculty lists, and related materials, 1972-1973. (3 folders)
- Box 10 of 20 Teaching records. Natural Sciences 5 - Introductory Biology, 1969.

- Box 10 of 20 Teaching records. Biology 17 - Evolutionary Biology, 1969.
- Box 10 of 20 Teaching records. Biology 17A - Evolutionary Biology, 1970.
- Box 10 of 20 Teaching records. Biology 1 - Organismic and Evolutionary Biology, 1971.
- Box 10 of 20 Teaching records. Biology 127A - Biology of Arthropods, 1973. (2 folders)
- Box 11
- Box 11 of 20 Teaching records. Biology 127A - Biology of Arthropods, 1973.
- Box 11 of 20 Teaching records. Biology 127A - Lab Manual, 1974.
- Box 11 of 20 Teaching records. Biology 127A - Notes by Carpenter, 1971.
- Box 11 of 20 Teaching records. Biology 127B. Biology of the Orders of Insects. Lecture notes, 1974, and undated.
- Box 11 of 20 Teaching records. Biology 127B. Lab manual, undated.
- Box 11 of 20 Teaching records. Biology 127B. Miscellaneous notes and classroom materials, undated.
- Box 11 of 20 Teaching records. Biology 127 A&B. Course outlines and general information, 1977-1981, and undated.
- Box 11 of 20 Teaching records. Biology 127 A&B. Lab equipment, 1973, and undated.
- Box 11 of 20 Teaching records. Biology 127 A&B. Lab practicals, 1974-1976. (2 folders)
- Box 11 of 20 Teaching records. Biology 127 A&B. Final examinations, master copies, 1974-1981.
- Box 11 of 20 Teaching records. Biology 127 A&B. Course evaluations, 1976-1978. Sample.
- Box 11 of 20 Teaching records. Biology 127 A&B. Miscellaneous notes and classroom materials, undated.
- Box 11 of 20 Teaching records. Biology 127 A&B. Completed mid-term and final examinations, 1974-1981. Sample. Loose in box.
- Box 11 of 20 Teaching records. Biology 227 - Evolution in the Lepidoptera, 1979.
- Box 11 of 20 Teaching records. Biology 10A - Biology of Invertebrates, 1980.
- Box 11 of 20 Teaching records. Lectures on reproductive isolation in Lepidoptera, undated.
- Box 11 of 20 Teaching records. Miscellaneous notes.

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## Series 4: Smithsonian Tropical Research Institute, Records, 1976-1981, and undated

This series documents the work of Robert E. Silberglied as a biologist and staff scientist at the Smithsonian Tropical Research Institute (STRI). Included are correspondence, memoranda, and personal notes concerning the operation and activities of STRI and the Barro Colorado Island research station. The records document Silberglied's administrative responsibilities and research program, and include materials concerning the STRI fellowship and scholarship program; proposals for ongoing research projects; research funding and travel files; equipment inventories; and personal records.

### Box 12

- |              |  |
|--------------|--|
| Box 12 of 20 | General information concerning the Panama Canal Zone and Canal Treaty, undated   |
| Box 12 of 20 | General information regarding STRI facilities, 1976-1977, 1980, and undated. Includes Visitors Information Guide.  |
| Box 12 of 20 | Collecting information and permits, 1976-1980  |
| Box 12 of 20 | Insect importation permits, U. S. Department of Agriculture, 1976-1979   |
| Box 12 of 20 | STRI correspondence, 1977, 1979-1981   |
| Box 12 of 20 | STRI memoranda, 1976-1981  |
| Box 12 of 20 | STRI Annual Report and other public relations information, 1976-1977, 1980   |
| Box 12 of 20 | Correspondence relating to the Committee for the Evaluation of Professional Accomplishments (CEPA), 1980-1981  |
| Box 12 of 20 | STRI staff meetings, 1976-1981   |
| Box 12 of 20 | STRI Newsletters, 1976-1981  |
| Box 12 of 20 | STRI Library, 1977-1978, 1980-1981, and undated. Includes a copy of STRI's serial publications.  |
| Box 12 of 20 | STRI bibliography, 1977-1981, and undated  |
| Box 12 of 20 | General information regarding STRI fellowships and scholarships, 1980-1981   |
| Box 12 of 20 | STRI fellowships, 1980-1981 (2 folders)  |
| Box 12 of 20 | General information regarding STRI funds and grants, 1978-1981. Also see Box 4 for information concerning National Science Foundation grants for research performed at STRI. |
| Box 12 of 20 | STRI research proposal. Mark-Release-Recapture Studies of Butterfly Coloration, 1981.  |
| Box 12 of 20 | ESP research proposal. Lepidoptera and Forest Ecology, 1980-1981.  |

- Box 12 of 20            ESP research proposal. Ecological Role of Out-breaks of Defoliating Insects in the Tropical Forest in the Barro Colorado Nature Monument, 1980-1981.
- Box 12 of 20            Fluid Research Funds. Trip to Hawaii, 1977.
- Box 12 of 20            Fluid Research Funds. Evolutionary Studies of Butterflies, 1980.
- Box 12 of 20            Fluid Research Funds. Sexual Selection in Butterflies, 1981.
- Box 12 of 20            National Geographic Research/Grant information and research proposal for the study of ultraviolet reflection patterns of butterflies, 1981
- Box 12 of 20            Research Awards Program proposal. Evolutionary Studies of Butterflies, 1980.
- Box 12 of 20            Scholarly Studies Program proposal. Canopy Fogging Across the Isthmus of Panama, 1979. See also Box 1, Folder An-Au for related materials.
- Box 12 of 20            Scholarly Studies Program proposal. Evolutionary Studies of Butterflies, 1980.
- Box 12 of 20            World Wildlife Fund. Bohio Park, undated.
- Box 12 of 20            Materials relating to Silberglied's research, including orders, invoices, bills, and STRI budgeting, 1976-1981
- Box 12 of 20            STRI Unit Fund records. Accounting, 1976-1979.
- Box 12 of 20            STRI Unit Fund records. Travel, 1976-1977.
- Box 12 of 20            STRI travel correspondence and documents, 1975-1981
- Box 12 of 20            STRI personal bills, 1976-1980
- Box 12 of 20            Materials pertaining to personnel actions, benefits, insurance and tax withholdings, 1976-1981
- Box 12 of 20            Information regarding Spanish lessons, 1980-1981
- Box 12 of 20            Information concerning proofreaders marks and editing, undated
- Box 12 of 20            STRI insect labels, 1979

Box 13

- Box 13 of 20            STRI insect stamps, undated
- Box 13 of 20            STRI decals, undated
- Box 13 of 20            STRI automotive information, undated



- Box 13 of 20 Lists pertaining to property in storage at STRI, 1976, 1978, 1980
- Box 13 of 20 Lists pertaining to property stored in Cambridge, Massachusetts, 1981
- Box 13 of 20 Inventory of equipment and personal property, undated
- Box 13 of 20 Information regarding "Digitizer" operated at STRI, undated
- Box 13 of 20 Equipment warranties, instruction manuals, and guarantees, undated
- Box 13 of 20 Photomacgraphic equipment information, undated
- Box 13 of 20 Barro Colorado Island (BCI). General administration, 1979-1980, and undated. Includes organizational charts, inventory and budgeting information.
- Box 13 of 20 BCI. General correspondence and memoranda, 1978-1981, and undated. Includes a list of visiting researchers.
- Box 13 of 20 BCI. Silberglied's "things-to-do" File, 1981, and undated.
- Box 13 of 20 BCI. Building lay-outs, undated.
- Box 13 of 20 BCI. Barbour House, 1977, 1980-1981.
- Box 13 of 20 BCI. Butterfly mount in lounge, undated.
- Box 13 of 20 Barro Colorado Island (BCI). "The Death of Chumbo," 1978. An account of the death of the leader of BCI's only troop of spider monkeys.
- Box 13 of 20 BCI. Environmental impact forms, undated.
- Box 13 of 20 BCI. Insectary, 1976, and undated. Includes building plans.
- Box 13 of 20 BCI. Species list, 1976-1980, and undated.
- Box 13 of 20 BCI. Island maps, undated.
- Box 13 of 20 BCI. Meteorological data, 1976, 1978, and undated.

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## Series 5: Research Records and Field Notes, 1964-1982, and undated

This series consists of materials relating to Silberglied's research interests in the field of lepidopterology and evolutionary theory; his work in the development of a more refined technique in the use of ultraviolet photography for research purposes; his efforts in the area of conservation both in the United States and Latin America; miscellaneous research papers that were not organized by him in a specific fashion; and field notes documenting research in the Galapagos Islands, Cocos Islands, Lignum vitae Key (Florida), Mexico, Panama, Africa, Costa Rica, Guatemala, and various regions of the United States.

### Box 13

- Box 13 of 20 Galapagos Islands. General information and travel itinerary, 1973, 1977, and undated.
- Box 13 of 20 Galapagos Islands. General correspondence, 1970-1974, 1976-1977, 1980-1982.
- Box 13 of 20 Galapagos Islands. Bibliography, undated.
- Box 13 of 20 Galapagos Islands. Scientific papers and abstracts, 1964-1967, 1974-1975, and undated. Includes conservation and scientific reports from the Charles Darwin Research Station by Roger Perry.
- Box 13 of 20 Galapagos Islands. Newspaper clippings and magazine articles, 1970-1973, 1976-1977, and undated.
- Box 13 of 20 Galapagos Islands. Field notes, 1970-1971, and undated.  
[Digital Content: Galapagos Islands, field notes, 1970-1971, and undated \[Field Book Registry Item 5824; SIA Item No. SIA\\_007316\\_B13\\_F27\]](#)
- Box 13 of 20 Galapagos Islands. Field notes, 1970.  
[Digital Content: Galapagos Islands field notes, 1970 \[Field Book Registry Item 5825; SIA Item No. SIA\\_007316\\_B13\\_F28\]](#)
- Box 13 of 20 Galapagos Islands. Biogeography of insects and plants, 1970.

### Box 14

- Box 14 of 20 Galapagos Islands. Insects of the Archipelago by island, 1964, 1969-1970, and undated.
- Box 14 of 20 Galapagos Islands. Flora and fauna, undated.
- Box 14 of 20 Galapagos Islands. Materials relating to indexing system to be used in creating a comprehensive record of Galapagana, undated.
- Box 14 of 20 Galapagos Islands. Field Guide, undated. Contains preliminary work on the field guide. See also Box 4 for bird illustrations for the Guide. (3 folders)
- Box 14 of 20 Cocos Islands. General correspondence, 1979, and undated.
- Box 14 of 20 Cocos Islands. Bibliography, undated.

- Box 14 of 20 Cocos Islands. Maps, undated.
- Box 14 of 20 Cocos Islands. Travel log, "Voyage to Cocos Island," April 4-17, 1979.
- Box 14 of 20 Cocos Islands. "Night Watching," 1978-1979. Materials concerning a boat passage through the island chain.
- Box 14 of 20 Cocos Islands. List of animal collections, 1979.
- Box 14 of 20 Cocos Islands. List of plant collections, 1979.
- Box 14 of 20 Lignum vitae Key. Lignum vitae Key Scientific Council, 1971-1979. Includes correspondence, memoranda, and staff meeting agendas. (2 folders)
- Box 14 of 20 Lignum vitae Key. Diary/field notes, 1971-1974, and undated.
- Box 14 of 20 Lignum vitae Key. Island Survey, 1971. Includes original notes and final draft of survey. See also Box 3 for information regarding the proposed Tourist Trail.
- Box 14 of 20 Lignum vitae Key. Newspaper clippings and magazine articles, 1968, 1970-1971, and undated.
- Box 14 of 20 Lignum vitae Key. Guidelines prepared for the State Department of Natural Resources by the University Council for Lignum vitae Key, undated.
- Box 14 of 20 Lignum vitae Key. A Brief Statement on the Scientific Value of the Key, 1974.
- Box 14 of 20 Lignum vitae Key. Report on Key Largo Woodrat by Peter R. Jutro, undated.
- Box 14 of 20 Lignum vitae Key. Plants, undated.
- Box 14 of 20 Lignum vitae Key. Materials relating to Lignum vitae Corporation, 1968, and undated.
- Box 14 of 20 *Anartia* Mating and Spermatophore Transfer. Data sorted, 1980.
- Box 14 of 20 *Anartia* Mating and Spermatophore Transfer. Computer PGM's, 1980.
- Box 14 of 20 *Anartia* Mating and Spermatophore Transfer. Illustrations, 1980.
- Box 14 of 20 *Anartia* Mating and Spermatophore Transfer. Literature, undated.
- Box 14 of 20 Materials relating to research on *Phoebis (Aphrissa) statira*, undated
- Box 14 of 20 Materials relating to research on Agaristidae (*Alypia octomaculata*), 1975
- Box 14 of 20 Materials relating to Opiliones research, 1975-1976, and undated
- Box 14 of 20 Materials relating to juvenile hormone experiment, 1972

Box 15

- Box 15 of 20                    Series of plates and photos (1-19) listed under "Broadhead Proposal" by Silberglied and Orley R. Taylor, Jr., undated. Includes UV and regular comparisons of butterflies, field photographs, illustrations, and histograms.
- Box 15 of 20                    Research papers concerning ultraviolet reflection of Pierid butterflies, undated (3 folders)
- Box 15 of 20                    General research papers relating to such areas as the palatability of Pierid butterflies, *Colias* butterflies, automimicry, and the use of the television camera in the study of floral ultraviolet patterns in herbarium specimens, undated (2 folders)
- Box 15 of 20                    Biological indices and abstracts concerning ultraviolet reflection, 1970-1977
- Box 15 of 20                    Research material relating to spectral transmission data on optical equipment, undated
- Box 15 of 20                    Correspondence concerning the review of optics equipment, 1973-1975
- Box 15 of 20                    Miscellaneous research materials, undated (3 folders)
- Box 15 of 20                    Field notes. Mexico, July-August, 1965.  
[Digital Content: Field notes, Mexico, July-August, 1965 \[Field Book Registry Item 5923; SIA Item No. SIA\\_007316\\_B15\\_F13\]](#)
- Box 15 of 20                    Field notes. Florida and Arizona, June-August, 1966.
- Box 15 of 20                    Field notes. Florida and Arizona, June-September, 1967.  
[Digital Content: Field notes, Florida and Arizona, June-September, 1967 \[Field Book Registry Item 5925; SIA Item No. SIA\\_007316\\_B15\\_F15\]](#)
- Box 16
- Box 16 of 20                    Field notes. Florida, May-June, 1968.
- Box 16 of 20                    Field notes. Florida, June-July, 1969.
- Box 16 of 20                    Field notes. Albany County, New York, September, 1970.
- Box 16 of 20                    Field notes. Florida and Arizona, June-September, 1971.
- Box 16 of 20                    Field notes. Arizona and Costa Rica, 1972.
- Box 16 of 20                    Field notes. Costa Rica and Guatemala, February-April, 1973.
- Box 16 of 20                    Field notes. Panama and Africa, 1975.  
[Digital Content: Portrait of Robert E. Silberglied, 1975 \[Image No. SIA2012-7932\]](#)

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## Series 6: Photographs, Films, and Photographic Records, circa 1963-1979, and undated

This series consists mostly of photographs taken for research purposes by Robert E. Silberglied. Included are an enormous quantity of photographs of butterflies. In addition to the actual photographs, a variety of negatives and proofsheets are included. Many of the photographs are numerically identified using a system devised by Silberglied. A photographic log, maintained by Silberglied, provides partial identifications to numbered photographs. Also included is a small amount of photographs of Silberglied, family and friends, social occasions and outings, the Barro Colorado Island research station, and various flora and fauna. Two films relating to Silberglied's research on butterflies are also included.

### Box 16

- Box 16 of 20                      Photographic log, circa 1963-1971, and undated. Apparently a numerical index of photographs taken by Silberglied.
- Box 16 of 20                      Photographic record, Panama, 1976
- Box 16 of 20                      Miscellaneous photographic records, 1976-1978, and undated
- Box 16 of 20                      Barro Colorado Island, circa 1970s. Includes photographs of buildings, laboratories, and the insectary.
- Box 16 of 20                      Barro Colorado Island. Aerial photographs, August 1, 1979. Includes an index and description of the photographs.
- Box 16 of 20                      Galapagos Islands, 1970, and undated. See photographic log (Box 16) for descriptive information.  
[Digital Content: Photograph of Leaves by Robert E. Silberglied, Galapagos Islands \[Image No. SIA2012-7933\]](#)  
[Digital Content: Photograph of Leaves by Robert E. Silberglied, Galapagos Islands \[Image No. SIA2012-7934\]](#)
- Box 16 of 20                      *Colias* photographs, summer 1970. See photo graphic log (Box 16) for descriptive information.  
[Digital Content: Colias on Plant, 1971 \[Image No. SIA2012-7945\]](#)
- Box 16 of 20                      Butterfly photographs, undated. The majority of the photographs are unidentified. See photographic log (Box 16) for information on numbered photographs. (4 folders)  
[Digital Content: Magnified Butterfly Wing \[Image No. SIA2012-7946\]](#)

### Box 17

- Box 17 of 20                      Butterfly photographs, undated. The majority of the photographs are unidentified. See photographic log (Box 16) for information on numbered photographs. (6 folders)  
[Digital Content: Portrait of a Butterfly \(folder 5\) \[Image No. SIA2012-7947\]](#)
- Box 17 of 20                      Scanning Electron Microscope photographs, 1971-1974, and undated

- Box 17 of 20                      Negatives and proofsheets, 1970-1971, and undated. Includes landscapes, butterflies, and other insects. (2 folders)
- Box 17 of 20                      Insects, undated
- Box 17 of 20                      Robert E. Silberglied, 1968, 1971, and undated  
[Digital Content: Robert E. Silberglied with a Camera, July 1971 \[Image No. SIA2012-7948\]](#)
- Box 17 of 20                      Annette Aiello, undated
- Box 17 of 20                      Unidentified people, undated
- Box 17 of 20                      Notebook containing photographs of Silberglied; family and friends; outings, field trips, and social occasions; flora and fauna, especially butterflies; and landscapes, seascapes, and tornadoes, circa 1960s-1970s.

Note: See Box 20 for films.

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## Series 7: Manuscripts, Publications, and Papers in Progress, 1969-1984, and undated

This series consists of a bibliography of Silberglied's publications; original notes and manuscript drafts; reprints and articles; papers in progress; and in some instances, correspondence between author and publisher. Refer also to Series 1 for related correspondence.

### Box 17

- Box 17 of 20 Bibliography of Robert E. Silberglied, 1969-1982
- Box 17 of 20 List of book reviews in non-scientific journals, 1977-1981
- Box 17 of 20 "Mimicry of Hymenoptera by Beetles with Unconventional Flight," 1969
- Box 17 of 20 "Stridulatory Files as Diffraction Gratings in Mutillid Wasps," 1969
- Box 17 of 20 "Ultraviolet Video-Viewing: The Television Camera as an Insect Eye," 1969
- Box 17 of 20 "Ultraviolet Reflection of a Male Butterfly: Interference Color Caused by Thin-Layer Elaboration of Wing Scales," 1972
- Box 17 of 20 "Plant Taxonomy: Ultraviolet Patterns of Flowers Visible as Fluorescent Patterns in Pressed Herbarium Specimens," 1972
- Box 17 of 20 "The 'Little Fire Ant,' *Wasmannia auropunctata*, A Serious Pest in the Galapagos Islands," 1972
- Box 17 of 20 "Terrestrial invertebrates; terrestrial vertebrates (excluding birds)," 1972
- Box 17 of 20 "Ultraviolet Differences Between the Sulphur Butterflies, *Colias eurytheme* and *C. philodice*, and a Possible Isolating Mechanism," 1973

### Box 18

- Box 18 of 20 "Visualization and Recording of Longwave Ultraviolet Reflection From Natural Objects," 1976
- Box 18 of 20 Book Review: *Insect Ecology*, by Peter W. Price, 1976
- Box 18 of 20 "Quinones and Phenols in the Defensive Secretions of Neotropical Opilionids," 1977
- Box 18 of 20 "Communications in the Lepidoptera" ? (3 folders)
- Box 18 of 20 "Defensive Adaptations of Some Neotropical Long-horned Beetles: Antennal Spines, Tergiversation, and Double Mimicry," 1976
- Box 18 of 20 "Ultraviolet Reflection and its Behavioral Role in the Courtship of the Sulfur Butterflies *Colias eurytheme* and *C. philodice* (Lepidoptera, Pieridae)," 1978 (5 folders)

- Box 18 of 20 "Inter-Island Transport of Insects Aboard Ships in the Galapagos Islands," 1978
- Box 18 of 20 "Orange Bands, A Simple Recessive in *Anartia fatima* (Nymphalidae)," 1978
- Box 18 of 20 "Chemistry of Defensive Secretions of Bombardier Beetles (Brachinini, Metrini, Ozaenini, Paussini)," 1977
- Box 18 of 20 Book Review: *Insect Ecology* by R. W. Matthews, 1978
- Box 18 of 20 Book Review: *The Arthropoda: Habits, Functional Morphology, and Evolution* by S. M. Manton, 1979
- Box 18 of 20 "Life History of *Dynastor darius* (Lepidoptera: Nymphalidae: Brassolinae) in Panama," 1978
- Box 18 of 20 "Communication in the Ultraviolet," 1979
- Box 18 of 20 "Camouflage by Integumentary Wetting in Bark Bugs," 1980
- Box 18 of 20 "Neotropical Butterflies of the Genus *Anartia*: Systematics, Life Histories and General Biology (Lepidoptera, Nymphalidae)," 1979
- Box 19
- Box 19 of 20 "Disruptive Coloration in Butterflies: Lack of Support in *Anartia fatima*," 1980
- Box 19 of 20 "*Papilio fatima* Fabricius, 1793 (Insecta, Lepidoptera): Request for Conservation Under the Plenary Powers," 1982
- Box 19 of 20 "Eunuchs: The Role of Apyrene Sperm in Lepidoptera," 1984
- Box 19 of 20 "Visual Communication and Sexual Selection Among Butterflies," 1984 (3 folders)
- Box 19 of 20 Papers in progress, undated (2 folders)

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## Series 8: Speeches and Lectures, 1969-1981

This series includes a list of talks presented, during a large portion of Silberglied's career, along with preparatory notes, lecture drafts, and micro-cassette recordings of a few presentations. See also Series 1 for related materials.

### Box 19

- |              |   |
|--------------|---|
| Box 19 of 20 | List of talks presented, 1969, 1971-1977, 1980-1981   |
| Box 19 of 20 | "Hot Springs Insects," Cambridge Entomological Club, November 13, 1973  |
| Box 19 of 20 | "The Role of Ultraviolet Perception in the Behavior of Insects," Annual Meeting of the Entomological Society of America, December 3, 1980   |
| Box 19 of 20 | "Lepidoptera as Experimental Tools for Field Studies of Evolutionary Processes" and "What Makes Insects Special for Studies of Evolutionary Processes?" Department of Entomology, University of Maryland, February 16, 1981 |
| Box 19 of 20 | "Visual Communication," Royal Entomological Society, Reading, England, September, 1981  |

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## Series 9: Personal and Biographical Materials, 1946-1982, and undated

This series contains a variety of materials concerning Robert E. Silberglied's personal affairs. Included are daily diaries and calendars; his professional dossier; biographical sketches published after his death; and records documenting his medical history, selective service status, income taxes, insurance policies, and various other aspects of his personal life.

### Box 19

- Box 19 of 20 Professional dossier, 1981
- Box 19 of 20 Biographical sketches of Silberglied, circa 1982
- Box 19 of 20 Daily calendars, 1967-1981
- Box 19 of 20 Diaries, 1967-1981
- Box 19 of 20 Christmas list, 1967-1975
- Box 19 of 20 Health records, 1947-1981. Includes copy of birth certificate, vaccination records, and records of physical examinations and illnesses.
- Box 19 of 20 Social Security information, undated
- Box 19 of 20 Income tax, 1980
- Box 19 of 20 Apartment - Cambridge, 1968
- Box 19 of 20 Selective Service, 1966-1970
- Box 19 of 20 Passport and visa information, 1970, 1978
- Box 19 of 20 Jury duty, 1981
- Box 19 of 20 Employee Health Benefits Program, 1976, 1980, and undated
- Box 19 of 20 Life insurance, 1981

### Box 20

- Box 20 of 20 Insurance claims, 1965, 1970, 1972, 1973
- Box 20 of 20 Real estate appraisals, 1975
- Box 20 of 20 Personal auto file, 1973-1981
- Box 20 of 20 "Crazy File." Contains poetry selections, quotes, cartoons, newspaper clippings, and other personal memorabilia, circa 1950s-1970s.

### Films

- Box 20 of 20 "*Colias*," by Silberglied and Orley R. Taylor, Jr., 1971. 16mm color film.

Box 20 of 20

"Rearing *Anartia* Butterflies," by Silberglied and Annette Aiello, 1976. 8 mm  
film.

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