



# Smithsonian Institution Archives

## Program Records, 1978-2002

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## Collection Overview

Repository:	Smithsonian Institution Archives, Washington, D.C., <i>osiaref@si.edu</i>
Creator:	Smithsonian Tropical Research Institute, Biodiversity Dynamics of Forest Fragments Project
Title:	Program Records
Dates:	1978-2002
Quantity:	5 cu. ft. (5 record storage boxes)

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## Administrative Information

### Preferred Citation

Smithsonian Institution Archives, Accession 08-098, Smithsonian Tropical Research Institute,  
Biodiversity Dynamics of Forest Fragments Project, Program Records

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## Descriptive Entry

This accession consists of records documenting the administration, research, outreach, and programs of the Biodiversity Dynamics of Forest Fragments Project, a bi-national collaborative research project between the Smithsonian Institution and the Instituto Nacional de Pesquisas da Amazonia (National Institute for Research in the Amazon) in Brazil to determine the ecological consequences of habitat destruction and fragmentation in the Amazon and to transfer this information to the different sectors of society as a way of fostering conservation and the rational use of forest resources. Materials include correspondence, memoranda, agreements, articles, clippings, planning documents, annual reports, images, pamphlets, maps, architectural drawings, background information, and related materials. Some materials are in electronic format.

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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:

Biodiversity  
Biotic communities  
Conservation biology  
Forest ecology  
Forests and forestry  
Research

Types of Materials:

- Architectural drawings
- Clippings
- Color negatives
- Color photographs
- Color transparencies
- Electronic records
- Floppy disks
- Manuscripts
- Maps
- Pamphlets

Names:

- Instituto Nacional de Pesquisas da Amazonia
- Smithsonian Institution

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## Container Listing

### Box 1

Third Global Climate Change Meeting, 1994

Remote Sensing Technologies - DC Meetings, 1991-1993

MCS Technical Series, 1997 (includes electronic records)

American Society of Mammalogists Meeting Schedule, 1994

Correspondence, 1990-1993

Correspondence, 1987-1993 (4 folders)

Brazil-National Museum of Natural History (NMNH) Research Initiative - J. Kress, 1995-1996

Brazil-NMNH Research Initiative - C. Handley, 1995-1996

Research Programs Related to Biodiversity, 1992

Accomplishments, 1995

Bibliography - Bats of Amazon

Maps - Sampling Net (Species from Amazon, Guianas, Orinoco), 1989

Correspondence, 1991

Requests for Information, 1994-1996

Correspondence, 1994-1995

Conservation International - Correspondence, 1990

Manaus Letters, September-October 1996

Requests for Information, 1991-1994

INPA/CENA/NASA Workshop, 1995

1994 Workshop on Forest Regeneration

Congressional Night, 1997

Smithsonian Press Workshop, 1990

Fundacao Vitoria Amazonica Workshop, 1990

Budget - Gualda Workshop, 1990

Cerrado Workshop

Botany Workshop, 1990

Botany Workshop - Co-edit with Ian Prance, 1990

Outreach

Summit of the Americas, Partnerships for the Environment

Participation in External Events

Environmental Film Festival, 1997

Pew Proposal and Budget, FY 1991-FY 1994

Pew's Narrative Reports, 5/15/1992 and 11/1993

World Bank, Environment Division, 1992-1993

World Bank/Global Environment Facility - Correspondence, 1992-1994

Global Environment Facility, May and June 1992

Mellon, 1997

United States Agency for International Development (USAID), 1997-1998

National Aeronautics and Space Administration (NASA) Grant, 1997

Atherton Seidell Grant Program, 1996

Funding, 1997

Biodiversity Surveys and Inventories Program (BSI) - Call for Proposals, FY 1999

Scholarly Contributions, Biological Diversity in Latin America (BIOLAT)

#### Box 2

Article - Rankin, "Diversidade e dispersão de Lecythidaceae na floresta de terra firme da Amazonia Central," 1980

Article - Lovejoy, "Minimum Critical Size of Ecosystems," 1981

Article - Lovejoy, "Discontinuous Wilderness: Minimum Area for Conservation," 1981

Article - Lovejoy and Rankin, "Uma Fisionomia ameaçada: as implicações da dinâmica de parcelas florestais no planejamento silvicultural e de reservas," 1981

Article - Lovejoy "Application of ecological theory to conservation planning," 1984

Article - Rodrigues, "Duas novas espécies da flora amazônica," 1982

Article - Bierregaard, "Levantamentos ornitológicos no dossel da mata pluvial de terra firme," 1982

Article - Lovejoy, Bierregaard, Rankin, and Schubart, "Ecological dynamics of forest fragments," 1983

Article - Bierregaard, "Observational on the Nesting Biology of the Guiana Crested Eagle," 1984

Article - Lovejoy, Rankin, Bierregaard, Brown, Emmons, and van der Voort, "Ecosystem decay of Amazon Forest remnants," 1984

Article - Vanzolini, "Micrurus averyi Schmidt, 1939, in central Amazonia (Serpentes, Elapidae)," 1985

Article - Zimmerman and Hodl, "Distinctions of *Phrynohyas resinifictrix* (Goeldi, 1907) from *Phrynohyas venulosa* (Laurenti, 1768) based on acoustical and behavioral parameters (Amphibia, Anura, Hylidae)," 1983

Article - Zimmerman, "A comparison of structural features of calls of open forest habitat frog species in the Central Amazon," 1983

Article - Zimmerman and Bogart, "Vocalizations of primary forest frog species in Central Amazon," 1986

Article - Lovejoy, "Forest fragmentation in the Amazon: A Case Study," 1985

Article - Lovejoy, "Biosphere reserves: The size question," 1983

Article - Gascon, "Sampling with artificial pools," 1994

Article - Bierregaard, "Morphological data from understory birds in terra firme forest in the Central Amazonian Basin," 1988

Article - Powell, "Population dynamics of euglossine bees in Amazonian forest fragments," 1987

Article - Bierregaard, Stotz, Harper, and Powell, "Observations of the occurrence and behavior of the Crimson Fruit Crow (*Haematoderis militaris*) in central Amazonia," 1987

Article - Martins, "Variacao especial e temporal de algumas especies de *Drosophila* (Diptera) em duas reservas de matas isoladas, nas vizinhanças de Manaus (Amazonas, Brazil)," 1987

Article - Benson and Harada, "Local diversity of tropical and temperate ant faunas (Hymenoptera, Formicidae), 1988

Article - Lovejoy, Bierregaard, Rylands, Malcolm, Quintela, Harper, Brown, Powell, Schubart, and Hays, "Edge and other effects of isolation on Amazon forest fragments," 1986

Article - Hrabovsky, "On *Anelaphus* Linsley 1936 - One new species and two new combinations (Coleoptera, Cerambycidae, Elaphidionini)," 1987

Article - Rodrigues, "A new anole of the *Punctatus* group from central Amazonia (Sauria, Iguanidae)," 1988

Article - Lovejoy, "Minimum size for birds species and avian habitats," 1985

Article - Rylands and Keuroghlian, "Primate populations in continuous forest and forest fragments in central Amazonia," 1988

Article - Malcolm, "Small mammal abundances in isolated and non-isolated primary forest reserves near Manaus, Brazil," 1988

Article - Zimmerman and Bogart, "Ecology and calls of four little-known central Amazonian forest species of frogs," 1988

Article - Klein and Bierregaard, "Movement and calling behavior of the Lined Forest-falcon (*Micrastur ruficollis*) in the Brazilian Amazon," 1988

Article - Schwarzkopf and Rylands, "Primate species richness in relation to habitat structure in Amazonian rainforest fragments," 1989

Article - Zimmerman and Bierregaard, "Relevance of the equilibrium theory of island biogeography with an example from Amazonia," 1986

Article - Rankin-de-Merona and Ackerly, "Estudos populacionais de avoos em florestas fragmentadas e as implicacoes para conservacao in situ das mesmas na floresta tropical da Amazonia central," 1987

Article - Klein and Bierregaard, "Capture and Telemetry Techniques for the Lines Forest Falcon, *Micrastur gilvicollis*," 1988

Article - Martins, "Invasao de fragmentos florestais por especies oportunistas de *Drosophila* (Diptera, *Drosophilidae*)," 1989

Article - Kapos, "Effects of isolation on the water status of forest patches in the Brazilian Amazon," 1989

Article - Bierregaard and Lovejoy, "Birds in Amazonian forest fragments: effects of insularization," 1988

Article - Quintela, "First report of the nest and young of the variegated antpitta (*Grallaria varia*)," 1987

Article - Klein, Harper, Bierregaard, and Powell, "Nesting and Feeding Behavior of the Ornate Hawk-eagle, *Spizaetus ornatus*," 1988

Article - Bierregaard and Lovejoy, "Effects of forest fragmentation on Amazonian understory bird communities," 1989

Article - Bierregaard, "Avian communities in the understory of Amazonian forest fragments," 1990

Article - Lovejoy and Bierregaard, "Central Amazonian forests and the Minimum Critical Size of Ecosystems Project," 1990

Article - Zimmerman, "Frogs, snakes, and lizards of the INPA-WWF reserves near Manaus, Brazil," 1990

Article - Harper, Bird and army ants (*Eciton burchelli*), observations on their ecology in undisturbed forest and isolated reserves," 1989

Forest Regeneration in the Amazon



## Tropical Forest Remnants

Vanishing Rain Forest, Part Four - "Scientists find fragile chain of Life in Amazon Forest," San Francisco Chronicle, 9/28/1989

Scientific American - "Sustaining the Amazon," July 1993

Article - Lewin, "Parks: how big is big enough?," 1984

O Estado de Sao Paulo, 4/15/1984

Article - Lovejoy, "Protecting Biodiversity," 1994

Article - Lovejoy, "People and Biodiversity," 1994

Science Magazine - Frog Fragments, 8/25/1995

Global Biodiversity Magazine - Canadian Museum of Nature, 1995

Ciencia Hoje, July/August 1984

"The Amazon: the nightmare and the dream," May 1984

Washington Post - Margolis, "Scientists probe amazon rain forest," 5/28/1984

Newsweek (International Edition) - Schulman with Margolis, "Experiments in the Amazon," 4/9/1984

New Scientist, 7/25/1985

Article - Usher, "Analysis of pattern in artificial plant populations"

Press Clippings - Debt for Nature

Enciclopedia BARSA, Volume 2, A-Aparelho Cardiovascular, 1990

New York Times - "Saving scraps of the rain forest may be pointless, naturalists say," 11/14/1989

Earth Island Journal - "The invisible victims of Brazil's new El Dorado," 1989

The Hollywood Reporter - "Hollywood treks to Amazon, stumps for rain forest," 9/8/1989

Article - Lovejoy, "Will unexpectedly the top blow off?," 1988

Article - Rankin, "Family of woody plants" (in Portuguese and English)

Trees - Rankin

Conservation

Clippings, 1989-1990

BDFFP Original Project Handbook

Flora Preliminar do Projecto Dinamica Biologica de Fragmentos Florestais  
por Michael Nee, 1993

Box 3

Article - Bierregaard, "Species composition and trophic organization of the understory bird community in a Central Amazonian terra firme forest," 1990

Article - Malcolm, "Estimation of mammalian densities in continuous forest north of Manaus," 1990

Article - Rankin-de-Merona, Hutchings, and Lovejoy, "Tree mortality and recruitment over a five-year period in undisturbed upland rain forest of the central Amazon," 1990

Article - Gascon, "The tadpole of *Atelopus pulcher* Boulenger (Annuar, Bufonidae) from Manaus, Amazonas," 1989

Article - Klein, "The effects of forest fragmentation on dung and carrion beetle (Scarabaeinae) communities in Central Amazonia," 1989

Article - Stotz and Bierregaard, "The birds of the fazendas Porto Alegre, Dimona and Esteio north of Manaus, Amazonas, Brazil," 1989

Article - Powell, "On the possible contribution of mixed species flocks to species richness in neotropical avifaunas," 1989

Article - Vasconcelos, "Habitat selection by the queens of the leaf-cutting ant *Atta sexdens*," 1990

Article - Vasconcelos, "Foraging activity of two species of leaf-cutting ants (*Atta*) in primary forest of central Amazon," 1990

Article - Bierregaard, "Conservation of tropical rainforests: Facing a fragmented future," 1989

Zimmerman, Barbara

Kapos, Valerie - Microclimate and Plant-Water Relations, 1988-1992

Henderson, A., 1991-1992

Lovejoy, 1987-1991

Avian Community Structure in Amazonian Forest Fragments - Progress Report, FY 1990

Visiting Committee Report, 1981

Report of the Biological Dynamics of Forest Fragments Projects and Report of the Minimum Critical Size of Ecosystems Project Review Committee, 1988-1992

Soule Committee Review, 4/21-25/1988

Nee-Rankin Report, 1992-1993

Field Director's Monthly Report, 1993-1995

Roger's Monthly Report, 1992

Sixteenth and Seventeenth Annual Reports, 10/1/1994-9/30/1996

Fourteenth Annual Report, 11/1/1992-10/31/1993

Thirteenth Annual Report, 11/1/1991-10/31/1992

Twelfth Annual Report, 11/1/1990-10/31/1991

Eleventh Annual Report, 11/1/1989-10/31/1990

Tenth Annual Report, 11/1/1988-10/31/1989

Ninth Annual Report, 11/1/1987-10/31/1988

Eighth Annual Report, 11/1/1986-10/31/1987

Seventh Annual Report, 11/1/1985-10/31/1986

Sixth Annual Report, 11/1/1984-10/31/1985

Fifth Annual Report, 11/1/1983-10/31/1984

Fourth Annual Report, 10/1/1982-10/31/1983

Third Annual Report, 10/1/1981-9/30/1982

Second Annual Report, 10/1/1980-9/30/1981

First Annual Report, 10/1/1979-9/30/1980

BIOLAT Proceedings, 1992

Amazonia Press Clippings, 1989-1995

Press Clippings: Environmental Problems, Brazil, 1978-1989

BDFFP T-shirt Photographs

BDFFP Book, 1992

Article - Lovejoy and Salati, "Precipitating Change in Amazonia," 1983

Articles, 1984-1989

Amazonia I Book

Article - Erwin, "How many species are there?," 1991

#### Box 4

Article - Saldarriaga and West, "Holocene fires in the Northern Amazon Basin," 1986

Article - Sponsel, "Amazon Ecology and Adaptation," 1986

Fidelity Rainforest Campaign, 1990

Technical Report Requests, 1994-1995

Salati, Eneas, 1979-1980

Scientific Reports, 1980-1993

Summit Foundation - BDFFP First Year Report, 1998

External Review Committee Report, 1988

World Wildlife Fund Reports, 1989

Streams, 1983

Staff Appraisal Report - Brazil National Environmental Project, 1/31/1990

Nee - Flora do Projeto Dinamico Biologica de Fragmentos Florestais, 1993

Summit Foundation, 1997

Wong Response, 1988

Abema, 1992

Janzen Proposal, 1991

BioDiversitas, 1992

Cocha Cashu

InterAmerica Foundation, 1992

Fundacao Brasileira para o Desenvolvimento Sustentavel, 1993

Figuras Color, 1990

Kaiapo Research Center, 1991

Management Committee Minutes, 1980-1995

Symposium, 1991

Global Environment Foundation - Biodiversity Projects/Pilot Program for the Conservation of Brazilian Rainforest, May 1991

Instituto Nacional de Pesquisa da Amazonia (INPA)/Annex 3 - Science Center/ Brazil Pilot Program, 1991-1992

Plano Pilot, 1991-1992

Amazon Pilot Program, 1991

Smithsonian Institution-World Wildlife Fund Memorandum of Understanding - BDFFP, 1989-1997

Documents Related to Transfer of BDFFP from World Wildlife Fund to  
National Museum of Natural History, 1988-1989

Event Photographs, 1991

Terbogh, J. - Review, 1992

Reserve Histories, 1985

Reserve Descriptions, 1984

Statutes and Amendments

Background Materials, 1989

Plans for INPA Building, 1990

INPA, 1992

Nepstad, 1988-1991

BDFFP Convenio, 1997-2002

INPA

Box 5

Convenio - INPA/Smithsonian, 1990-1996

BDFFP/INPA-Smithsonian Convenio - New Project with National Zoological  
Park, 1994-1996

INPA-Smithsonian Convenio, 1989

Subproject - Fishes, 1984

Subproject - Herpetology

Subproject - Insects

Subproject - Microclimate

Subproject - Mammals

Subproject - Stream Chemistry, 1984

Subproject - Balbina, 1983

Subproject - Botany, 1985

Subproject - Lecythidaceae, 1987

Subproject - Primates

Mellon Doesn't Charge Overhead Correspondence, 1989-1991

Mellon Proposal, FY 1995-FY 1997

Mellon Proposal, FY 1992-FY 1994  
Mellon Proposal, 1990  
Mellon Report, FY 1991  
USAID, 1990-1991  
Smithsonian Institution Request to Congress, FY 1993  
Add-on the Hill, FY 1992  
USAID Bolivia Grant, 1996  
Global Climate Change: The USAID Response, 1994  
USAID Grant, FY 1995-FY 1996  
USAID Grants, 1993  
Visitor - Kress, W. John, 1994-1995  
Visitor - Mori, S., 1987  
Visitor - National Newspaper Association, 1990  
Visitor - Chinese Academy of Sciences, 1990  
Visitor - Codel Wirth, 1988  
Visitor - Codel Chafee, 1989  
Visitor - Macledd, J., 1987  
Visitor - Siccama, Thomas G., 1985  
Visitor - Slobodkin, Larry, 1983  
Visitor - Swinney, M. (NNL-TV), 1989  
Visitor - Teldel and Eco, 1992  
Visitor - Turner, Bill, 1989  
Visitor - Visalberghi, E., 1987  
Visitor - W.A. Jones Foundation, 1993  
Visitor - Cook, Robert E., 1980  
Visitor - Whitmore, T.C., 1985  
Visitor - Wilson, E.O., 1985  
Visitor - Worldlink (Kirk Bergstrom), 1990  
Visitor - Watkins, Diana, 1991

Visitor - Inland Press Association, 1990

Visitor - MCS (Carl F. Jordan), 1985

Visitor - Klessig/Wisc, 1991

Visitors, 1987-1991

Photographs - Botany Workshop, 1995

Evaluations - Botany, 1995

Final Report and Follow-up - Botany Workshop, 1995

Future Need - Botany Workshop, 1995

Invitations - Botany Workshop, 1995

Botany Workshop Evaluations, 1995 (2 folders)

Latin American and Caribbean Workshop Participants, 1989

Announcement and Distribution (I) - Botany Workshop, December 1994

Announcement (II) - Botany Workshop, 1995

Botany Workshop Interested Persons and Correspondence, 1995

Botanical Workshop, 1994

Logistics of Classes - Botany Workshop, 1995

Distribution of Second Announcement - Botany Workshop, May 1995

Distribution of Third Announcement - Botany Workshop

Botany Workshop Participant List, 1995