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Martin H. Moynihan Papers, 1952-1996

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Collection Overview

Repository:	Smithsonian Institution Archives, Washington, D.C., osiaref@si.edu
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Administrative Information

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Historical Note

Dr. Martin H. Moynihan (1928-1996) was a world authority on animal behavior, with major contributions to the study of communication in birds, primates, and cephalopods. In 1957 he became the Resident Naturalist and Director of what was then a small field station on Barro Colorado Island, Panama, later named the Smithsonian Tropical Research Institute (STRI). He transformed the station into a major research institution in tropical biology. After retirement in 1973, he served as Senior Scientist at STRI and continued writing and researching the behavior of various species of wild and imported pheasants at his farmhouse in France.

Curriculum Vitae

Born: February 5, 1928, Chicago, Illinois, U.S.A.

Education: A.B. Princeton University, 1950; D.Phil. Oxford University, 1953.

Positions held: Visiting Fellow, Cornell University, 1953-1955; Research Fellow, Harvard University, 1955-1957; Resident Naturalist and Director, Smithsonian Tropical Research Institute, 1957-1973; Senior Scientist, Smithsonian Tropical Research Institute, 1973 to 1996; Research Associate, Stazione Zoologica "Anton Dohm", Naples, Italy.

Fellowships and Grants: 1950-1951, Fulbright Fellowship; 1952-1953, NSF Grant; 1953-1955, Public Health Service Postdoctoral Fellowship; 1958-1963, 1963-1967, NSF Research Grants for studies on the ecology and behavior of birds and primates; 1971-1972, and 1980's, various Smithsonian research awards for the study of Cephalopod behavior.

Honors and Societies: 1967, Walker Prize, Boston Natural History Society, for "meritorious published scientific investigation and discovery in the general area of Natural History," 1976, The Henry Medal

(Board of Regents) "for outstanding contributions to the Smithsonian Institution"; 1992, New York Academy of Sciences.

Publications

1946 Evolution in the *Rhipidura rujifrons* group. *Amer. Mus.* 1321: 2-21. (With E. Mayr).

1952 Head flagging in the Black-headed Gull: its function and origin. *Brit. Birds* 45: 19-22. (With N. Tinbergen).

1953a Some displacement activities of the Black-headed Gull. *Behaviour* 5: 58-80.

1953b Some comments on conflict and thwarting in animals. *Behaviour* 6: 66-84. (With M. Bastock and D. Morris).

1954 Hostile, sexual and other social behaviour patterns of the Spice Finch (*Lonchura punctulata*) in captivity. *Behaviour* 7: 33-76. (With M.F. Hall).

1955a Some aspects of reproductive behavior in the Black-headed Gull (*Larus ridibundus* L.) and related species. *Behaviour Supplement* 4, 201p.

1955b Remarks on the original sources of displays. *Auk* 72: 240-246.

1955c Types of hostile display. *Auk* 72: 247-259.

1956a Behavior of a pratincole. *Auk* 73: 268-27 1.

1956b California Gulls and Herring Gulls breeding in the same colony. *Auk* 73: 453-454.

1956c Notes on the behavior of some North American gulls. I. Aerial hostile behavior. *Behaviour* 10: 126-178.

1957 Notes on the sea-birds of Sand Island of the Johnston Island group. *Elepaio* 18: 35-37.

1958a Notes on the behavior of some North American gulls. II. Non-aerial hostile behavior of adults. *Behaviour* 12: 95-182.

1958b Notes on the behavior of the Flying Steamer Duck. *Auk* 75: 183-202.

1958c Notes on the behavior of some North American gulls. III. Pairing behavior. *Behaviour* 13: 112-130.

1959a A revision of the family Laridae. *Amer. Mus. Novitates*. November 1-42.

1959b Notes on the behavior of some North American gulls. IV. The ontogeny of hostile behavior and display patterns. *Behaviour* 14: 214-239.

1960 Some adaptations which help to promote gregariousness. *Proc. 12th Int. Orn. Cong.*, Helsinki 1958, pp. 523-541.

1962a The organization and probable evolution of some mixed species flocks of Neotropical birds. *Smithsonian Misc. Coll.* 143: 7, 1-140.

1962b Hostile and sexual behavior patterns of South American and Pacific Laridae. *Behaviour*, Supplement 8, 365 p.

1962c Display patterns of tropical American "nine-primaried" songbirds. 1. *Chlorospingus*. *Auk* 79: 310-344.

- 1962d Display patterns of tropical American "nine-primaried" songbirds. II. Some species of *Ramphocelus*. *Auk* 79: 655-686.
- 1963a Display patterns of tropical American "nine-primaried" songbirds. III. The Green-backed Sparrow. *Auk* 80: 116-144.
- 1963b Interspecific relations between some Andean birds. *Ibis* 105: 327-339.
- 1963c Two papers on the evolution of communal displays. *Auk* 80: 381-384.
- 1964 Some behavior patterns of platyrrhine monkeys. I. The Night Monkey (*Aotus trivirgatus*), *Smithsonian Misc. Coll.* 146: 5, 1-84.
- 1966a Display patterns of tropical American "nine-primaried" songbirds. IV. The Yellow-rumped Tanager. *Smithsonian Misc. Coll.* 149: 5, 1-34.
- 1966b Communication in the titi monkey, *Callicebus*. *J. Zool. Soc. Lond.* 150: 77-127.
- 1967 Comparative aspects of communication in New World Primates. In: *Primate Ethology*, edited by D. Morris, pp. 236-266. London: Weidenfeld and Nicolson.
- 1968a Social mimicry: character convergence versus character displacement. *Evolution* 22: 315-331.
- 1968b The "Coerebini"; a group of marginal areas, habitats and habits. *Amer. Natur.* 102: 573-581.
- 1970a Some behavior patterns of platyrrhine monkeys. II. *Saguinus geoffroyi* and some other tamarins. *Smithsonian Contributions to Zoology* 28: 1-77.
- 1970b The control, suppression, decay, disappearance and replacement of displays. *L. Theor. Biol.* 29: 85-112.
- 1971 Successes and failures of tropical mammals and birds. *Amer. Natur.* 105: 371-383.
- 1973a Species proportions - a reply. *Amer. Natur.* 107: 155-156.
- 1973b The evolution of behavior and the role of behavior in evolution. *Breviora* 415: 1-29.
- 1975 Conservatism of displays and comparable stereotyped patterns among cephalopods. In: *Function and Evolution in Behaviour*, edited by B. Baerends, C. Beer and A. Manning G., pp. 276-291. Oxford: Clarendon Press.
- 1976a THE NEW WORLD PRIMATES: Adaptive Radiation and the Evolution of Social Behavior, Languages, and Intelligence. New Jersey: Princeton University Press, 262p.
- 1976b Notes on the ecology and behavior of the Pygmy Marmoset, *Cebuella pygmaea*, in Amazonian Colombia. Neotropical Primates. In: *Field Studies and Conservation*, pp. 79-84. Washington: National Academy of Sciences.
- 1977 Communication, crypsis, and mimicry among cephalopods. In: *How Animals Communicate*, edited by T. Sebeok, pp. 293-302. Bloomington: Indiana University Press. (With A.F. Rodaniche).
- 1978 An "Ad hoc" association of hornbills, starlings, coucals, and other birds. *Terra et Vie* 3: 357-376.
- 1979 GEOGRAPHIC VARIATION IN SOCIAL BEHAVIOR AND IN ADAPTATION TO COMPETITION AMONG ANDEAN BIRDS. *Publ. Nuttall Orn. Club* 18:162p.
- 1980 The coincidence of mimics and other misleading coincidences. *Amer. Natur.*, 117(4): 372-378.

- 1982a Spatial parameters and interspecific social relations: some differences between birds and fishes. *J. Theor. Biol.* 95: 253-262.
- 1982b THE BEHAVIOR AND NATURAL HISTORY OF THE CARIBBEAN REEF SQUID SEPIOTEUTHIS SEPIOIDEA. *Zeitschr. f. Tierpsychol.*, Advances in Ethology 25, 150p. (With A. Rodaniche).
- 1982c Why is lying about intentions rare during some kind of contests? *J. Theor. Biol.*, 97(1): 7-12.
- 1982d Introduccion. In: *Evolucion en los Tropicos*, edited by Smithsonian Tropical Research Institute and Editorial Universitaria. Impresora Panama: Panama, pp. 11-14.
- 1983a A slight discrepancy. *Amer Natur.*, 121: 301.
- 1983b Notes on the behavior of Euprymna scolopes (*Cephalopoda: Sepioidae*). *Behaviour* 85: 25-41.
- 1983c Notes on the behavior of *Idiosepius pygmaeus* (*Cephalopoda: Idiosepiidae*). *Behaviour* 85: 42-57.
- 1984 Transpositions of signals and the persistence of releasing mechanisms. *Zeitschr. f. Tierpsychol.*, 64: 269-282.
- 1985a Why are cephalopods deaf? *Amer. Natur.* 25(3): 465-469.
- 1985b COMMUNICATION AND NON-COMMUNICATION BY CEPHALOPODS. Bloomington: Indiana University Press, 141p.
- 1987a Social relations among Halcyon kingfishers in Senegal. *Rev. Ecol. (Terre et Vie)* 42: 145-166.
- 1987b Notes on the behaviour of Giant Kingfishers. *Malimbus* 9(2): 97-104.
- 1988 The opportunism of the Abyssinian Roller (*Coracias abyssinica*) in Senegal. *Rev. Ecol. (Terre et Vie)* 43: 159-166.
- 1990 Social, sexual and pseudosexual behavior of the blue-bellied roller, coracias syanogaster; the Consequences of Crowding or Concentration. *Smithsonian Contributions to Zoology* 491: 1-23.
- 1991 Structures of Animal Communication. In: *Man & Beast Revisited*, edited by Michael H. Robinson and Lionel Tiger, pp. 193-202. Washington: Smithsonian Institution Press.
- 1995 Social structures and behavior patterns of captive and feral Reeves' Pheasants (*Syrmaticus reevesi*) in France. *Alauda* 63(3):41-56.
- 1997 Self Awareness, with Specific References to Coleoid Cephalopods. In: *Anthropomorphism, Anecdotes, and Animals*, edited by Robert W. Mitchell, Nicholas S. Thompson, and H. Lyn Miles, pp. 213-219. Albany: State University of New York Press.
- 1998 THE SOCIAL REGULATION OF COMPETITION AND AGGRESSION IN ANIMALS. Washington and London: Smithsonian Institution Press, 158p.

Descriptive Entry

These papers consist primarily of field notes, and include correspondence, photographs, sonograms and spectograms, and a small number of audio tapes.

Many of the materials in this collection are available online.

Names and Subject Terms

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

Subjects:

- Animal behavior
- Ornithologists
- Ornithology
- Pheasants
- Primates
- Squids

Types of Materials:

- Audiotapes
- Black-and-white negatives
- Black-and-white photographs
- Field notes
- Manuscripts

Names:

- Moynihan, M.
- Smithsonian Tropical Research Institute
- United States. Canal Zone Biological Area, Barro Colorado Island

Geographic Names:

- Barro Colorado Island (Panama)

Container Listing

Box 1

- Box 1 of 4 Tanagra (birds), Barro Colorado Island, Panama, 1958
- Box 1 of 4 Arremonops (striped sparrow), Frijoles, Barro Colorado Island, Pedro Miguel
- All Panama, 1958
- Box 1 of 4 Arremona (sparrow), Cerro Campana and Barro Colorado Island, Panama;
Tarma, Peru, Santa Fe, Peru (?), 1958
- Box 1 of 4 Pselliophorus (yellow-green finch), Cerro Punta, Panama; Quito, Ecuador,
1958, 1961
- Box 1 of 4 Catamenia (plain-colored seedeaters), different localities in Ecuador, 1959
- Box 1 of 4 Ateles ssp. (monkeys), Barro Colorado Island, Panama, 1958-1961
- Box 1 of 4 Mixed Flocks (birds), Colombia, countings with D. Fairchild, 1960, 1965
- Box 1 of 4 Chlorospingus (Bush-tanager), 1961
- Box 1 of 4 Honeycreeper (birds), summaries, 1962-1964
- Box 1 of 4 Cyanerpes (Honeycreepers), one page on "chachalacas" birds, 1963
- Box 1 of 4 Saltator (birds), Frijoles and Barro Colorado Island, Panama, 1962
- Box 1 of 4 Mixed Species flocks of birds (gregarious behavior), 1960
- Box 1 of 4 Cissopis (Magpie tanager), London Zoo; Washington Zoo, 1958
- Box 1 of 4 Miscellaneous Primates, Paris Zoo; Washington Zoo; London Zoo,
1960-1961
- Box 1 of 4 Andean Birds Mixed Flocks, Colombia, 1962-1965 (4 folders)
- Box 1 of 4 Andean Birds, summaries, counts, Colombia, Ecuador, Peru, 1965 (4 folders)
- Box 1 of 4 Summaries of bird counts, 1960s (2 folders)

- Box 1 of 4 Gull notes and index of notes, Ecuador, Peru, Chile, etc., 1955-1957 (3 folders)
- Box 1 of 4 Gull notes, two letters from Professor Niko Tinbergen, 1954-1956
- Box 1 of 4 Primates, photos, mostly Barro Colorado Island, Panama (3 folders)
- Box 1 of 4 Negatives of Primates, Birds, Grison, Raccoons, 1959-1960 (2 folders)
- Box 1 of 4 Anatidae (ducks), South America, Peru, Tierra del Fuego, etc., 1955-1957
- Box 1 of 4 Chlorophanes (Green Honeycreeper), Barro Colorado Island, Panama, 1958, 1962
- Box 1 of 4 Duplicates, statistical materials
- Box 1 of 4 Photos, Gulls (Laridae), United Kingdom (3 folders)
- Box 2
- Box 2 of 4 Photos, Monkeys, Barro Colorado Island, Panama
- Box 2 of 4 Atlapetes (Bush finches), Cerro Punta, Panama; Iquitos, Peru; Pichincha, Ecuador, 1958, 1960-1962
- Box 2 of 4 Alouatta (Primates), Barro Colorado Island, Panama, 1958-1960
- Box 2 of 4 Diglossa (Flower piercers), Cerro Punta, Barro Colorado Island, Panama; Purace, W. Cordillera, Colombia; Cerro Pichincha, Inaquito, Ecuador; Quisha and Central Peru, 1957-1958, 1965, 1972 (4 folders)
- Box 2 of 4 Cacajou rubicundus (Vakari monkey), Washington Zoo; Bronx Zoo; Barro Colorado Island, Panama, 1958-1959, 1964-1965
- Box 2 of 4 Callithrix jacchus (Tufted ear marmoset), London Zoo; Paris Zoo, 1959, 1961
- Box 2 of 4 Saguinus oedipus (Cottontop monkey), Panama City and Barro Colorado Island, Panama, 1958-1959
- Box 2 of 4 Saguinus leucopus (Silvery-brown tamarin), Bronx Zoo, 1958
- Box 2 of 4 Pithecia monachus (Monk saki), Iquitos, Peru; Washington Zoo; Barro Colorado Island, Panama, 1958, 1961, 1964, 1968

- Box 2 of 4 *Leontideus rosalia* (Golden Marmosets), Paris Zoo; Washington Zoo, 1958-1960
- Box 2 of 4 *Lagothrix lagotricha* (Woolly monkey), Iquitos and Lima, Peru; Washington Zoo, 1958-1959
- Box 2 of 4 *Cebus apella* (Brown capuchin), Barro Colorado Island, Panama; Lima, Peru Zoo, 1958-1959, 1961-1963
- Box 2 of 4 Tangara birds (Tanagers), Barro Colorado Island, Cerro Punta and Cerro Campana, Panama, 1957-1962
- Box 2 of 4 *Thranpis* bird (Tanagers), Frijoles, Barro Colorado Island and Gamboa, Panama; Calzada de Inaguito and Cerro Pichincha, Ecuador, 1957
- Box 2 of 4 Tiares bird (Yellow-faced grassquit), Playa Coronado, Playa Colorado, Cerro Campana, Frijoles, Santiago, Cerro Punta, Panama, 1957-1958
- Box 2 of 4 *Sporophila* bird (Seed-eater), Barro Colorado Island, Frijoles, Penonome, Panama, 1957-1958
- Box 2 of 4 Laridae (Gulls), manuscript and comments (South America and Pacific), 1955-1957
- Box 2 of 4 Ring-billed Gulls, Pelican Island-Doglake, Manitoba, Canada, 1954-1955
- Box 2 of 4 Adult Franklin's Gulls, Delta-Portage la Prairie, Southern Manitoba, Canada, 1954-1955
- Box 2 of 4 Ring-billed and Franklin Gulls, Manitoba, 1955
- Box 2 of 4 *Rhamphocelus* (Birds) (Sangre de Toro, Yellow rumped tanager), Barro Colorado Island, Rio Chucunaque, Rio Piedras, Cerro Punta, Frijoles, Panama, 1957
- Box 2 of 4 *Pezopetes* (Big Footed Finch), Cerro Punta, Panama, 1960-1961
- Box 2 of 4 *Dacnis Cayana* (Honeycreeper), Barro Colorado Island, Panama, 1957-1958, 1960-1961
- Box 2 of 4 *Aramides cajanea* (Wood-rails), Barro Colorado Island, Panama, 1960
- Box 2 of 4 *Tinamus major* birds (Great tinamou), Barro Colorado Island, Panama, 1960

- Box 2 of 4 General Comment Fringillidae, Barro Colorado Island, Cerro Punta, Panama, 1958, 1962
- Box 2 of 4 *Sericossypha alboristata* (White-capped Tanager), London Zoo, 1958
- Box 2 of 4 Laridae (Gulls), Mahabalipuram, India, 1980
- Box 2 of 4 Notes by J.M. Cullen and E. Cullen on the terns, the Kittiwake, and the Shag, Inner Farne, U.K., 1953-1954
- Box 2 of 4 Laridae (Gulls), 1953
- Box 2 of 4 Notes by H. Hays on Ruddy Ducks, 1958
- Box 2 of 4 Notes for a manuscript on Laridae (Gulls) by Niko Tinbergen, 1959
- Box 2 of 4 References Primates
- Box 2 of 4 Primates, Miscellaneous notes and sketch, 1965
- Box 2 of 4 *Cebuella pygmaea* (Pigmy Marmoset), Barro Colorado Island, Panama, 1958-1961, 1963
- Box 2 of 4 *Cebus capucinus* (White-throated capuchin), Barro Colorado Island, Panama, 1958-1961, 1966
- Box 2 of 4 *Saguinus* spp. (tamarins), Washington Zoo; Bronx Zoo; Barro Colorado Island, Panama, 1958, 1964
- Box 2 of 4 *Callimico* (Monkey), Tulane, 1965
- Box 2 of 4 Field Notes - Squirrels, Malaysia; M'Bour and Dakar, Senegal, 1967, 1975-1976
- Box 2 of 4 Key to the Canal Zone Antbirds, Zetek
- Box 2 of 4 Photographs of Terns and Gulls
- Box 2 of 4 *Spinus* (Gold Finch), Barro Colorado Island, Panama, 1957-1958
- Box 2 of 4 *Saimiri* (Squirrel monkeys), Washington Zoo; London Zoo; Barro Colorado Island, Hacienda Barbascal, Panama, 1964, 1967

- Box 2 of 4 Phrygilus (Lark-like Finch), Notes from Chile; Calzada de San Antonio, Peru (?), Ca de Coto Callao, Peru (?), Tarma, Peru, 1959-1960
- Box 2 of 4 Piranga (Flame-colored Tanager), Barro Colorado Island, Cerro Campana, Cerro Punta, Panama, 1958-1959
- Box 2 of 4 Poerilothranpis (Tanagers), Cerro Pichincha, Ecuador; Paramo La Negra, Ecuador (?), 1959
- Box 2 of 4 Volatenia bird (Blue-black grassquit), Playa Coronado, Pedro Miguel Lake, Frijoles, Barro Colorado Island, Panama, 1957-1958
- Box 2 of 4 Mixed Flocks - Miscellaneous birds species, Portobello, Pedro Miguel Lake, Cerro Punta, Cerro Campana, Panama; Tarma, Peru, 1958-1959, 1961-1962, 1964 (2 folders)
- Box 2 of 4 Epple (Marmosets), Notes from Epple's publications, 1958, 1968
- Box 2 of 4 Callicebus (Titi monkeys), Index and Correspondence with John Smith and Eugene Morton, Notes from Barro Colorado Island, Panama; Iquitos, Ecuador and Colombia, 1964
- Box 2 of 4 Miscellaneous Monkeys, Barro Colorado Island and Puerto Armuelles, Panama; Colombia (La Deseo, Valparaiso, El Pepino, Santa Rosa), 1964, 1967-1970
- Box 2 of 4 Aotus (Night monkey), Correspondence with Thorington, J. Smith, etc. and Notes from Barro Colorado Island, Panama,, 1958, 1961-1963
- Box 2 of 4 Saguinus (Tamarin monkeys), Indexes - Barro Colorado Island, Forest Reserve, Ancon Hill, Gamboa Highway, Panama - Notes, 1959, 1964-1967
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Box 3

- Box 3 of 4 Photos, Cephalopods (Squids) (5 folders)
- Box 3 of 4 Sonograms, Callimico (2 folders)
- Box 3 of 4 Sonograms, Film, Pittrechia monacha and rubicunda
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- Box 3 of 4 Spectograms, Night Monkeys

- Box 3 of 4 Spectograms, Coraciiformes
- Box 3 of 4 Spectograms, Callicebus and copies of drawings used
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- Box 3 of 4 Field Notebooks - Gulls, 1952-1953 (3 folders)
- Box 3 of 4 Reaves (Pheasants, 1988-1992, 1993-1996 (2 folders)

Box 4

- Box 4 of 4 Reaves (Pheasants), 1988-1992, 1993-1996 (2 folders)
- Box 4 of 4 Cephalopoda (Squid), Lizard Island, Queensland Australia; Isla Secas, Naos Marine Laboratory, San Blas, Panama; M'Bour and Joal, Senegal, Arcadio Rodaniche's notes, Hawaii, and photos Sepioteuthis sepioidea (Caribbean Reef Squid), Euprymna scalopes, and Idiosepius pygmaeus, 1971-1973, 1975-1979, 1981-1982 (4 folders)
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- Note:
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 - Field notes on Tockus and manuscript (photocopies), 1984
 - Field sketches (photocopies), 1976, 1977
 - Coraciiformes, schedule of field work and notes, 1976, 1977
 - Coraciiformes, index field notes (originals)
 - Coraciiformes, index (photocopies)
 - Field schedule, Africa (1976-1977) and Asia (1978-1987)
 - Notes and comments on coraciiformes, correspondence
 - Coraciiformes, index and summaries
 - Coraciiformes, Washington, DC, and Portobello, Panama, 1986, 1987

- Box 4 of 4 Coraciiformes (2 folders)
- Note:
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 - Kuala Selangor, Malaya, 1979
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 - Yokjakarta, Java, 1979
 - Singhapur, 1979
 - Guam, Palau, 1979, 1981
 - Shangai Zoo, 1979

- Bharatpur, India, 1980
- Stone Forest, Kunming, Negros, China, 1981
- Tamil Nadu, Cochin, Chitwan Park, India, 1984
- Front Royal, Virginia, 1985, 1986
- Mudumalai, India, 1990
- Port Moresby, Australia, 1986, 1990
- Taronga Park, Sydney, Australia, 1986

Box 4 of 4

Field Notes - Coraciiformes (birds) (4 folders)

Note:

- Dakar, various roads out of the city, M'Bour, Senegal, 1976
- Zuguinchor, Casamance, Senegal, 1976
- Cap Skiring, Casamance, Senegal, 1976
- M'Bour, Senegal, Ossouye, Casamance, Senegal, 1976
- Katinong, Casamance, Senegal, 1976
- Makokou, Gabon, West Africa, 1976
- Adidjan, Ivory Coast, Robert's Field, Ivory Coast, 1977
- Nimba, Liberia, 1976, 1977
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- Samatit, Casamance, Senegal, 1977
- Cap Skiring, Casamance, Senegal, 1977
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