

DEPOSITORIES OF TYPE-MATERIAL

ABBREVIATIONS OF MUSEUMS AND OTHER INSTITUTIONS

ABNC	AntBase.Net Collection, Ulm , Germany.
ABSV	Archbold Biological Station, Venus , Lake Placid, Florida, U.S..A.
ACHC	Academia de Ciencias (Instituto de Ecología y Sistemática), Boyeros, Havana , Cuba.
AFRC	Afribugs Collection, Villieria, Pretoria , South Africa.
ALWC	Alexander L. Wild private collection, Tucson , Arizona, U.S.A.
AMGC	Albany Museum, Grahamstown , Cape Province, South Africa.
AMNH	American Museum of Natural History, New York , N.Y., U.S.A.
AMNZ	Auckland Institute and Museum, Auckland , New Zealand.
AMSC	Australian Museum, Sydney , New South Wales, Australia.
ANIC	Australian National Insect Collection, Canberra City , A.C.T., Australia.
ANSP	Academy of Natural Sciences, Philadelphia , Pennsylvania, U.S.A.
ASPC	Antonio Scupola private collection.
ASUC	Ain Shams University, Cairo , Egypt.
ATPC	Alberto Tinaut private collection.
ATRE	Ashoka Trust for Research in Ecology and Environment, Srirampura, Bengaluru (= Bangalore), Karnataka, India.
BBPC	Brendon Boudinot private collection, Davis , California, U.S.A.
BBRC	Barry Bolton Reference Collection, Ventnor , Isle of Wight, U.K.
BFUS	Museum of Sofia University, Sofia , Bulgaria.
BMNH	Natural History Museum, London (= British Museum (Natural History)), U.K.
BPBM	Bernice P. Bishop Museum, Honolulu , Hawaii, U.S.A.
BZBC	Balitbang Zoologi (Bogor Zoological Museum), Bogor , Java, Indonesia.
CAFB	Chinese Academy of Forestry (Research Institute of Forest Protection), Beijing , China.
CASC	California Academy of Sciences, San Francisco , California, U.S.A.
CFSS	Colegio de la Frontera Sur (Colección Entomologica), San Cristóbal , Chiapas, Mexico.
CMUT	Centennial Museum, University of Texas, El Paso , Texas, U.S.A.
CNCO	Canadian National Collection, Ottawa , Ontario, Canada.
CPDC	Centro de Pesquisas do Cacau, CEPEC/CEPLAC, Itabuna , Bahia, Brazil.
CUIC	Cornell University Insect Collection, Ithaca , New York, U.S.A.
CUTP	Curtin University of Technology, Perth , Western Australia, Australia.
CZUG	Centro de Estudios Zoologica, Universidad de Guadalajara , Jalisco, Mexico
DAHS	Department of Agriculture, Honiara , Guadalcanal I., Solomon Is.
DASF	Department of Agriculture, Stock and Fisheries, Konedobu , Papua New Guinea.

DBET	Department of Biodiversity and Evolutionary Taxonomy, University of Wroclaw , Poland.
DEIB	Deutsches Entomologisches Institut, Berlin-Dahlem , Germany.
DEIE	Senckenberg Deutsches Entomologisches Institut, Eberswalde , Germany.
DEIM	Senckenberg Deutsches Entomologisches Institut, Müncheberg , Germany.
DEUN	Dipartimento di Entomologia e Zoologia Agraria "Filippo Silvestri", Università di Napoli, Naples , Italy.
DFBC	Department of Forests, Bulolo , Papua New Guinea.
DMGC	David E.M. General private collection.
DMKN	Durban Museum, Durban , KwaZulu Natal, South Africa.
DMPC	Doyle McKey private collection.
DMSC	Daniela M. Sorger private collection, Wien (Vienna), Austria.
DNPT	Department of National Parks, Wildlife and Plant Conservation, Bangkok , Thailand.
DZCU	Department of Zoology, University of Calicut, Calicut , Kerala, India.
DZSP	Departamento de Zoologia da Secretaria de Agricultura, São Paulo , Brazil.
DZUP	Departamento de Zoologia, Universidade Federal do Paraná, Curitiba , Paraná, Brazil.
EAPZ	Escuela Agrícola Panamericana, Tegucigalpa , Honduras.
EESC	Entomological Collection of the Egyptian Entomological Society, Cairo , Egypt.
EMAU	Ernst-Moritz-Arndt Universität, Greifswald , Germany.
EMTU	Entomological Museum of Trakya University, Edirne , Turkey.
ENSA	Ecole Nationale Supérieure Agronomique, Toulouse , France.
ERPC	Eric Roncin private collection.
FFKT	Faculty of Forestry (Ant Museum), Kasetsart University, Bangkok , Thailand.
FMNH	Field Museum of Natural History, Chicago , Illinois, U.S.A.
FRCK	Forest Research Centre, Kuching , Sarawak, Malaysia.
FRKL	Forest Research Institute, Kuala Lumpur , Malaysia.
FSCG	Florida State Collection of Arthropods, Gainesville , Florida, U.S.A.
GFMP	Graham B. Fairchild Museo de Invertebrados, Universidad de Panama , Panama.
GNUC	Guangxi Normal University, Guilin , Guangxi, China.
GONS	Gibraltar Ornithological & Natural History Society. Gibraltar .
GOPC	George O. Poinar collection, Oregon State University, Corvallis , Oregon, U.S.A.
HINE	Hubei Institute (University) for Nationalities (Insect Collection), Enshi , Hubei, China
HKUC	Department of Ecology and Biodiversity, University of Hong Kong, Hong Kong SAR , China.
HLMD	Hessisches Landesmuseum Darmstadt, Darmstadt , Germany.
HNHM	Hungarian Natural History Museum (= Magyar Természettudományi Múzeum), Budapest , Hungary.
HSZC	H. & S.V. Zettel private collection, Wien (Vienna), Austria.
HUJI	Hebrew University, Jerusalem , Israel.
HWPC	H.C. Wagner private collection, Graz , Austria.

IAVH	Instituto de Investigación de Recursos Biológicos “Alexander von Humboldt”, Villa de Leyva, Boyacá , and Santa Fé de Bogotá , Colombia.
IBSP	Instituto Biológico, São Paulo , Brazil.
IBVR	Instituto de Biologia Vegetal, Rio de Janeiro , Brazil.
ICBQ	Instituto de Ciencias Biológicas, Escuela Politécnica Nacional, Quito , Ecuador.
ICNB	Instituto de Ciencias Naturales (Insect Collection), Universidad Nacional de Colombia, Bogotá D.C. , Colombia.
IEHV	Institute of Ecology and Biological Resources, Hanoi , Vietnam.
IEUB	Istituto di Entomologia “Guido Grandi”, Università degli Studi Bologna , Italy.
IEUI	Institute of Ecology, University of Innsbruck , Austria.
IEXA	Instituto de Ecología, Xalápa , Veracruz, Mexico.
IIBZ	Investigaciones Botánicas y Zoológicas, Universidad Autónoma de Santo Domingo, Santo Domingo , Dominican Republic.
IISB	Indian Institute of Science (Centre for Ecological Sciences), Bengaluru (= Bangalore), Karnataka, India.
IMLT	Instituto Fundación Miguel Lillo, San Miguel de Tucumán , Tucumán, Argentina.
INBC	Instituto Nacional de Biodiversidad, Santo Domingo , Heredia, Costa Rica.
INHS	Illinois Natural History Survey, Urbana , Illinois, U.S.A.
INPA	Instituto Nacional de Pesquisas da Amazônia, Manaus , Brazil.
IPAL	Institut für Pflanzenschutzforschung der Akademie der Landwirtschaftswissenschaften, Eberswalde , Germany.
ISNB	Institut Royal des Sciences Naturelle de Belgique, Brussels , Belgium.
ITZA	Institute of Taxonomic Zoology (Zoological Museum), University of Amsterdam, Amsterdam , Netherlands.
IZAS	Institute of Zoology, Academia Sinica, Beijing , China.
IZTG	Institute of Zoology, Georgian Academy of Sciences, Tbilisi , Georgia.
IZUC	Istituto di Zoologia dell’Università di Cagliari, Cagliari , Sardinia, Italy.
JCPC	Jerry Cook private collection.
JLDC	J.L.M. Diniz private collection.
JTLC	John T. Longino private collection.
JWPC	Jörg Wunderlich private collection, Straubenhardt , Baden-Württemberg, Germany.
KEPC	Katsuyuki Eguchi private collection.
KIZK	Kunming Institute of Zoology, Kunming , Yunnan, China.
KKIC	Kasetsart Kamphaeng Saen (Insect Collection), Kamphaeng Saen , Nakhon Pathom Prov., Thailand.
KNUK	Kangwon National University, Gangwon-do , Republic of Korea.
KSMA	King Saud University Museum of Arthropods, Riyadh , Saudi Arabia.
KUEC	Kyushu University (Entomology Laboratory), Fukuoka , Kyushu, Japan.
KUIC	Kagoshima University (Insect Collection), Faculty of Science, Kagoshima , Japan.

[Note: specimens collected by Sk. Yamane that were initially referred to KUIC are later referred to as in SKYC.]

KUSI	Kashmir University (Insect Collection), Srinagar , Jammu & Kashmir, India.
KUTJ	Kagawa University (Faculty of Agriculture), Takamatsu , Japan.
LACM	Natural History Museum of Los Angeles County, Los Angeles , California, U.S.A.
LECV	Laboratório de Ecologia de Comunidades, Viçosa , Minas Gerais, Brazil.
LESM	Laboratório de Ecologia y Sistemática de la Universidad Nacional Autónoma de Mexico, D.F. , Mexico.
LKCS	Lee Kong Chian Natural History Museum (Zoological Reference Collection), Singapore .
LPBP	Laboratório de Pesquisas Biológicas, PUCRS, Porto Alegre , Rio Grande do Sul, Brazil.
LSLC	Linnean Society of London, London , U.K.
MACG	Ministry of Agriculture (Entomological Collection), Giza , Egypt.
MACN	Museo Argentino de Ciencias Naturales “Barnardino Rivadavia”, Buenos Aires , Argentina.
MAGA	Museo Provincial de Ciencias Naturales Dr Angel Gallardo, Rosario , Santa Fe, Argentina.
MBSB	Museum Brunei, Bandar Seri Begawan , Brunei.
MBSM	Museum Borneensis, Institute for Tropical Biology and Conservation, Universiti Malaysia Sabah, Kota Kinabalu , Sabah, Malaysia.
MCCB	Museo de la Ciència, Fundació ‘la Caixa’, Barcelona , Spain.
MCZC	Museum of Comparative Zoology, Harvard, Cambridge , Mass. U.S.A.
MHNC	Muséum d’Histoire Naturelle, La Chaux-de-Fonds , Switzerland.
MHNG	Muséum d’Histoire Naturelle, Geneva , Switzerland.
MIZA	Museo del Instituto de Zoología Agrícola, Universidad Central de Venezuela, Maracay , Aragua, Venezuela.
MIZW	Museum and Institute of Zoology, Polish Academy of Sciences, Warsaw , Poland.
MLBC	Marek L. Borowiec private collection, Davis , California, U.S.A.
MLPA	Museo de La Plata (Facultad de Ciencias Naturales y Museo, UNLP), La Plata , Buenos Aires, Argentina.
MMBC	Mährisches Museum, Brno , Czech Republic.
MMUB	Museo Mineralogico, Università di Bologna, Bologna , Italy.
MNBI	Museum of Nature South Tyrol, Bozen , Italy.
MNHA	Museum of Nature and Human Activities, Sanda , Hyogo Pref., Honshu, Japan.
MNHC	Museo Nacional de Historia Natural Cubana, Havana , Cuba.
MNHN	Muséum Nationale d’Histoire Naturelle, Paris , France.
MNHU	Museum für Naturkunde an der Humboldt-Universität, Berlin , Germany.
MNHW	Museum of Natural History, University of Wroclaw, Wroclaw , Poland.
MNSP	Museo Nacional de la Historia Natural del Paraguay, San Lorenzo , Paraguay.
MPEG	Museu Paraense Emilio Goeldi, Belém , Pará, Brazil
MRAC	Musée Royal de l’Afrique Centrale, Tervuren , Belgium.
MRHN	Musée Royal d’Histoire Naturelle, Brussels , Belgium.
MRSN	Museo Regionale di Scienze Naturali, Turin , Italy.
MSNG	Museo Civico di Storia Naturale “Giacomo Doria”, Genoa , Italy.
MSNM	Museo Civico di Storia Naturale, Milano , Italy.

MSNV	Museo Civico di Storia Naturale, Verona , Italy
MSUS	Mississippi State University (Mississippi Entomological Museum), Starkville , Mississippi, U.S.A.
MTPC	Mamoru Terayama private collection.
MUSM	Museo de Historia Natural “Javier Prado”, Universidad Nacional Mayor de San Marcos, Lima , Peru.
MVMA	Museum of Victoria, Melbourne , Victoria, Australia.
MZBJ	Museum Zoologicum Bogoriense, Cibinong, Bogor , Java, Indonesia.
MZSP	Museu de Zoologia da Universidade de São Paulo, São Paulo , Brazil.
MZUF	Museo Zoologico “La Specola”, Università degli Studi di Firenze, Firenze , Italy.
NCBS	National Centre for Biological Sciences, Bengaluru (= Bangalore), Karnataka, India.
NCUE	National Changhua University of Education, Changhua , Taiwan.
NHMB	Naturhistorisches Museum, Basle , Switzerland.
NHMC	Natural History Museum of Crete, Iraklion , Crete, Greece
NHMM	Natuurhistorisch Museum Maastricht, Maastricht , Netherlands.
NHMP	Natural History Museum, Národní Muzeum, Prague , Czech Republic.
NHMS	Natural History Museum, Sibiu , Romania.
NHMU	Natural History Museum of Utah, Salt Lake City , Utah, U.S.A.
NHMW	Naturhistorisches Museum, Wien (= Vienna), Austria.
NHMY	Natural History Museum of Armenia, Yerevan , Armenia.
NHRS	Naturhistoriska Riksmuseet, Stockholm , Sweden.
NIAS	National Institute of Agro-Environmental Sciences, Tsukuba , Japan.
NMAS	National Museum of Natural History of the National Academy of Sciences of Ukraine, Kiev , Ukraine.
NMKN	National Museums of Kenya, Nairobi , Kenya.
NMNS	National Museum of Natural Science, Taichung , Taiwan.
NMPM	National Museum of the Philippines, Manila , Luzon, Philippines.
NMSB	National Museum of Natural History, Sofia , Bulgaria.
NMSE	National Museum of Scotland, Edinburgh , Scotland, U.K.
NMSW	Naturhistorischen Museum der Stadt Wiesbaden, Wiesbaden , Hesse, Germany.
NMWC	National Museum of Wales, Cardiff , Wales, U.K.
NNHM	Norwegian Natural History Museum, Tøyen, Oslo , Norway.
NNML	Nationaal Natuurhistorisch Museum, Leiden , Netherlands.
NSMT	National Science Museum, Tokyo , Japan.
NTUT	National Taiwan University, Department of Entomology, Taipei , Taiwan.
NZAC	New Zealand Arthropod Collection, D.S.I.R., Auckland , New Zealand.
NZSI	National Zoological Collection, Zoological Survey of India, Kolcatta (= Calcutta), India.
NZSS	National Zoological Collection, Zoological Survey of India (Eastern Regional Station), Shillong , Meghalaya, India
OLLA	Oberösterreichisches Landesmuseum/Biologiezentrum, Linz , Austria.
OMHN	Oman Natural History Museum, Muscat , Sultanate of Oman.
OMNH	Osaka Museum of Natural History, Osaka , Japan.

OXUM	Hope Entomological Collections, University Museum Oxford (= Oxford University Museum), Oxford , U.K.
PACB	Perry A.C. Buenavente private collection.
PBZT	Parc Botanique et Zoologique de Tsimbazaza, Antananarivo , Madagascar.
PCAS	Andreas Schulz private collection, Leverkusen , Germany.
PSWC	Philip S. Ward private collection, University of California, Davis , California, U.S.A.
PUAC	Punjabi University Patiala (Ant Collection), Patiala , Punjab, India.
PUCE	Pontificia Universidad Católica del Ecuador (Museo de Zoología), Quito , Ecuador.
PWCP	Petr Werner private collection, Prague , Czech Republic.
QMBA	Queensland Museum, South Brisbane , Queensland, Australia.
RGCG	Rhian Guillem private collection, Gibraltar.
RIFC	Research Institute of Forestry, Chinese Academy of Forestry, Guangzhou , Guangdong, China.
ROMT	Royal Ontario Museum, Toronto , Ontario, Canada.
RPPP	Research Institute for Plant Protection, Pretoria , South Africa.
RSPC	Rodolfo da Silva Probst private collection, São Paulo , São Paulo, Brazil
SAMA	South Australian Museum, Adelaide , South Australia.
SAMC	Iziko Museums of Cape Town (= South African Museum), Cape Town , South Africa.
SEHU	Systematic Entomology Collection, Hokkaido University, Sapporo , Japan.
SELN	Station d'Ecologie de Lamto, N'Douci , Ivory Coast.
SFCY	Southwest Forestry College (Insect Collection), Kunming , Yunnan, China.
SIZK	Schmalhausen Institute of Zoology, Ukrainian National Academy of Sciences, Kiev , Ukraine.
SJUW	Sangji University, Wonju , South Korea.
SKYC	Seiki Yamane Collection, Kagoshima University, Kagoshima , Japan. [Note: SKYC is also recorded as Kitakyushu Museum of Natural History and Human History, Kitakyushu, Fukuoka Pref., Japan. See also note under KUIC]
SMFM	Senckenberg Museum, Frankfurt am Main , Germany.
SMNG	Senckenberg Museum für Naturkunde, Görlitz , Germany.
SMNH	Sarawak Museum of Natural History, Kuching , Sarawak, Malaysia.
SMNK	Staatliches Museum für Naturkunde, Karlsruhe , Germany.
SMNS	Staatliches Museum für Naturkunde, Stuttgart , Germany.
SMTD	Staatliches Museum für Tierkunde Dresden , Germany.
SNCS	Shangqiu Normal College (Department of Biology), Shangqiu , Henan, China.
SNUX	Institute of Zoology, Shaanxi Normal University, Xi'an , Shaanxi, China.
SOSC	Stephen O. Shattuck private collection.
TARI	Taiwan Agricultural Research Institute, Taichung , Taiwan.
TAUI	Tel Aviv University, Zoology Museum, Tel Aviv , Israel.
TFRI	Taiwan Forestry Research Institute, Taipei , Taiwan.

TLHA	Tiroler Landesmuseum, Hall , Austria.
TLIA	Tiroler Landesmuseum Ferdinandeum, Innsbruck , Austria.
TMUT	Tokyo Metropolitan University, Tokyo , Japan.
TNHM	Thailand Natural History Museum, National Science Museum, Khlong Ha , Pathum Thani, Thailand
TVMC	Transvaal Museum, Pretoria , South Africa.
UABC	Universitat Autònoma de Barcelona, Bellaterra , Spain.
UATA	University of Arizona (Department of Entomology), Tucson , Arizona, U.S.A.
UCDC	University of California (Bohart Museum of Entomology), Davis , California, U.S.A.
UCRS	Universidad de Costa Rica, San Pedro , Costa Rica.
UECS	Universidade Estadual de Campinas (Museu de Zoologia), Campinas , São Paulo, Brazil.
UGAA	University of Georgia Collection of Arthropods, Athens , Georgia, U.S.A..
UGBC	University of Guyana, Georgetown , Guyana.
UKLK	University of Kansas Natural History Museum (Snow Entomological Collections), Lawrence , Kansas, U.S.A.
UKMB	Universiti Kebangsaan Malaysia (Center for Insect Systematics), Bangi , Selangor DE, Malaysia.
UNAM	Universidad Nacional Autónoma de México (Instituto de Biología), México D.F. , México.
UONC	University of Oklahoma, Norman , Oklahoma, U.S.A.
UPLB	University of the Philippines, Museum of Natural History, Los Baños , Laguna, Luzon, Philippines.
URMU	Universidad de la República, Facultad de Ciencias, Montevideo , Uruguay.
USBC	Universidad Simón Bolívar Collection, Caracas , Miranda, Venezuela [Note: this collection is currently housed in MIZA].
USCC	University of San Carlos, Cebu City , Cebu, Philippines.
USMC	Universidad de Santa Marta (Colección de Insectos), Santa Marta , Colombia.
USNM	National Museum of Natural History (= United States National Museum), Smithsonian Institution, Washington D.C. , U.S.A.
USPS	University of Suriname, Department of Entomology, Paramaribo , Suriname.
UTEL	University of Texas at El Paso, El Paso , Texas, U.S.A.
UTKC	University of Tokyo, Komaba, Meguro-ku, Tokyo , Japan.
UTKT	University of Tennessee, Knoxville , Tennessee, U.S.A.
UTPL	Universidad Técnica Particular de Loja (Museo de Colecciones Biológicas), Loja , Ecuador.
UVCC	Universidad del Valle, Cali , Valle de Cauca, Colombia.
UVGC	Universidad del Valle de Guatemala (Colección de Artrópodos), Guatemala City , Guatemala.
VNMN	Vietnam National Museum of Nature, Hanoi , Vietnam.
WAMP	Western Australian Museum, Perth , Australia.

WEMC	William and Emma Mackay private collection, University of El Paso, Texas, U.S.A.
WJPC	Weewayat Jaitrong private collection.
WMLC	World Museum Liverpool, Liverpool , U.K.
ZFMK	Zoologisches Forschungsinstitut und Museum Koenig, Bonn , Germany.
ZISP	Zoological Institute, Russian Academy of Sciences, St Petersburg , Russia.
ZMHF	Zoological Museum of the University (Finnish Museum of Natural History), Helsinki , Finland.
ZMLS	Zoological Museum, Lund , Sweden.
ZMUC	Zoologiske Museum, University of Copenhagen , Denmark.
ZMUH	Zoologisches Institut und Museum der Universität, Hamburg , Germany.
ZMUM	Zoological Museum, Moscow State University, Moscow , Russia.
ZSIK	Zoological Survey of India (Western Ghats Regional Centre), Kozhikode , Kerala, India.
ZSBS	Zoologisches Sammlung des Bayerischen Staates, München , Germany.

PRINCIPAL DEPOSITORIES OF SINGLE AUTHORS

André	MNHN
Arnold	SAMC and BMNH.
Arnol'di	ZMUM
Banks/Fabricius	BMNH
Baroni Urbani	NHMB
Bernard	MNHN
Bharti	PUAC
Bingham	OXUM
Bolton	BMNH
Bondroit	MNHN
Borgmeier	MZSP
Brandão	MZSP
Brown	MCZC
Bruch	MLPA
Buckley	no material known to exist
Buren	USNM
Cagniant	MNHN
Casevitz-Weulersse	MNHN
Chen	GNUC
Clark	ANIC and MVMA
Cole	LACM
Collingwood	WMLC
Crawley	OXUM and BMNH
Creighton	LACM
Cuezzo	IMLT
Curtis	MVMA

De Andrade	NHMB
De Geer	MNHN
Deyrup	ABSV
Dlussky	ZMUM
Donisthorpe	BMNH
Donoso	PUCE
Eidmann	IEUB and NHMB
Emery	MSNG
Fabricius	ZMUC
Finzi	MCZC
Fisher	CASC
Forel	MHNG
Gallardo	MAGA
Gerstäcker	MNHU, NHMB
Godeffroy	MVMA
Guérin-Méneville	MNHN
Jerdon	no material known to exist
Karavaiev	SIZK, NMAS
Kempf	MZSP
Kusnezov	IMLT
Kutter	NHMB
Latreille	MNHN, some MRSN
Lattke	MIZA
Le Guillou	MNHN
Linnaeus	ZMLS and LSLC
Mann	USNM, some AMNH, MCZC
Mayr	NHMW
McAreevey	MVMA, ANIC
Menzio	IEUB
Motschoulsky	ZMUM
Nylander	ZMHF
Poldi	MSNM
Radchenko	SIZK, ZMUM
Roger	MNHU, DEIB, some MNHN, ZSBS
Röszler	NHMS
Ruzsky	ZMUM
Santschi	NHMB
Silvestri	DEUN, some NHMB
Sjöstedt	NHRS
Smith, F.	BMNH and OXUM
Smith, M.R.	USNM, some MCZC
Snelling	LACM
Spinola	MRSN
Stärke	NNML
Stitz	MNHU
Szabó	HNHM

Trägårdh	NHMB, NHRS
Viehmeyer	MNHU
Wallace	OXUM
Wasmann	NHMM
Weber	MCZC, AMNH
Wheeler, W.M.	MCZC, AMNH
Wilson	MCZC
Xu	SFCY
Yamane	SKYC
Yasumatsu	
Zhou	GNUC