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JOURNAL OF THE AMERICAN MOSQUITO CONTROL ASSOCIATION INFORMATION FOR CONTRIBUTORS

The Journal of the American Mosquito Control Association (JAMCA) encourages the submission of previously unpublished manuscripts contributing to the advancement of knowledge of mosquito and other arthropod vectors. The Journal encourages submission of a wide range of scientific studies that include all aspects of biology, ecology, systematics, and integrated pest management. Manuscripts exceeding normal length (e.g., monographs) may be accepted for publication as a supplement to the regular issue.

How to Submit

Manuscripts in Word or Rich Text format may be sent electronically to Dr. Lal S. Mian (edjamca@csusb.edu), Department of Health Science & Human Ecology, California State University. Electronic manuscripts may also be uploaded at http://jamca.allentrack2.net.

If you have only a hard copy of the manuscript, it should be sent to Dr. Lal S. Mian, Department of Health Science & Human Ecology, California State University, 5500 University Parkway, San Bernardino, CA 92407-2393, USA. Hard copy manuscripts for review must be submitted in triplicate (original with 2 copies, including all figures and tables, typed or printed on $8\frac{1}{2} \times 11$ -in. (21.6 \times 28.0-cm) bond paper with 1-in. (2.5-cm.) margins. Double-space throughout, including references, and indent paragraphs. Dot-matrix printers should not be used.

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Whether the manuscript is hard copy or electronic, the title page should include 1) the title of the manuscript; 2) a short running head of not more than 40 letters and spaces; 3) the first name, middle initial, and last name of each author; 4) the name and address of each department and institution where the work was conducted; and 5) the name, address, telephone and fax numbers, and e-mail address of the author to whom correspondence and reprint requests should be addressed.

Abstract

Each regular article must be accompanied by an Abstract not longer than 1 paragraph (\sim 3% of the paper). The abstract should state the objectives, findings, and conclusions of the paper. List 5 keywords, to be used in the subject index, that best represent the contents of the article. The paper should be divided as follows: Abstract, Key Words, Introduction, Materials and Methods, Results, Discussion, Acknowledgments, and References Cited. Footnotes should be kept to a minimum and should be typed as endnotes on a separate page.

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Author AB (performing organization). Date of Publication. Title of report. Place of publication: Publisher or abbreviation of sponsoring organization. Report number. Contract number. Total number of pages. Availability statement.

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Author. Date of degree. Title [type of publication]. Place of institution: institution granting the degree. 00 p. Availability statement, if applicable.

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Preliminary studies and significant observations may be submitted as Operational Notes or as Scientific Notes. The notes may contain 1 or 2 tables or illustrations, and acknowledgments should be included in the last paragraph of the text. There should be an Abstract and Key Words, but a running head need not be provided. Section Headings are not used. Notes are usually ½ to 2 printed pages in length (2–8 manuscript pages).

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Usage of Abbreviations

Source: Bickley WE, Ward RA. 1989. Selected list of abbreviations and symbols used in the *Journal of the American Mosquito Control Association*. *J Am Mosq Control Assoc* 5(2):304.

Refer to the following list for accepted abbreviations and symbols and to the Usage of Scientific Names section for appropriate abbreviations.

about (circa)	ca	foot or feet	ft	per (with numerals)	/
acre	spell out	gallon	gal	percent	%
active ingredient	ÁΙ	gram	_	pound	lb
and others	et al	granules, granular	g G	pounds per square inch	psi
centimeter	cm	hectare	ha	probability	\overline{P}
chi square	χ^2	hour	h	quart	qt
compare	cf.	inch	in.	relative humidity	ŘН
cubic centimeter	cc	kilogram	kg	second	sec
cubic foot	ft ³	kilometer	km	significant at 1% level	**
cubic meter	m^3	liter	spell out	significant at 5% level	*
cubic millimeter	mm^3	mean	$\bar{\mathbf{X}}$	square centimeter	cm ²
cubic yard	yd ³	meter	m	square inch	in^2
day	spell out	microgram	μg	square mile	mi^2
diameter	diam	mile	mi	square millimeter	mm^2
dosage mortality	DM	miles per hour	mph	square yard	yd^2
dozen	Doz	milliliter	ml	ultra-low volume	ULV
emulsifiable concentrate	EC	minute	min	week	Wk
feet per second	ft/sec	number	no.	yard	Yd
figure	Fig.	number (statistical)	n		
fluid ounce	fl oz	ounce	OZ		

Other acceptable abbreviations include: e.g., i.e., et al., in vivo, in utero, per se, sensu stricto, sensu lato, s.s., s.l., ca., per os, ELISAs, US, USA, PO, DC, Inc., Ltd., Co., p.m., σ or s (Standard deviation), $S_{\bar{x}}$ (standard error of the mean), CV, df, ns, and Univ. (University is only spelled out if part of a university name in a thesis reference.)

Usage of Scientific Names

The Walter Reed Biosystematics Unit (WRBU) is a unique national and international resource, located at the Smithsonian Institution in Washington, DC, whose mission is to conduct systematics research on medically important arthropods and to maintain an on-line *Catalog of the Mosquitoes of the World*.

Scientific names for genera and species of mosquitoes should follow usage of the WRBU web site: http://www.mosquitocatalog.org/.

Mosquito taxonomists and other researchers who believe that use of the standard scientific names for mosquitoes as recommended by the WRBU infringes upon their freedom of scientific thought may use other nomenclatures with permission of the Editor and the Editorial Board. Generally, the format for using taxonomic names not recommended by the WRBU web-site would follow guidelines presented in the Journal of Medical Entomology (2005) 42:511. However, the Editor reserves the privilege to deny or accept any non-WRBU recommended nomenclature, to establish format, and to require additional justification.

The scientific name of a species should be spelled out in its entirety the first time it is used in a title, abstract, or the text. Thereafter, the appropriate generic abbreviation may be used. When 2 or more species of the same genus are listed consecutively, the genus may be abbreviated for all names after the first entry. Sentences should begin with the complete generic name. Subgeneric names may be presented in italicized parentheses on first usage and in Tables if space permits.

Author names of species are not used in either the title or the abstract. In the text, they should be mentioned the first time a species is cited. The names of well-known authors may be abbreviated as follows: Coquillett = Coq., Fabricius = Fabr., Linnaeus = L., and Wiedemann = Wied. Contributors to the Journal should be aware of the proper use of parentheses around the species author's name. Parentheses designate that the generic name or generic assignment for that species has changed since the original description. Author usage can be verified on the WBRU web site: http://www.mosquitocatalog.org/search.asp

Abbreviations used for genera and subgenera of Culicidae are provided below and follow recommendations on the WRBU web site: http://www.mosquitocatalog.org/abbreviation.htm

It is not necessary to use "Diptera: Culicidae" in the title or a footnote. However, the writer should use "Diptera: Ceratopogonidae," etc., for other families of biting flies.

GENERIC AND SUBGENERIC ABBREVIATIONS

In the list that follows, generic names are shown in all capital letters for the sole purpose of differentiation between generic and subgeneric names. In manuscripts, only the first letter of generic and subgeneric names are capitalized.

Indusius = Ind.

Isoaedes = Isa.

AEDEOMYIA = Ad. Aedeomyia = Ady. Lepiothauma = Lpi.AEDES = Ae.

Abraedes = Abr.Aedes = Aed.Aedimorphus = Adm.Alanstonea = Ala.Albuginosus = Alb.Aztecaedes = Azt.Belkinius = Blk.Bothaella = Bot.Cancraedes = Can.Chaetocruiomyia = Cha.Christophersiomyia = Chr.Diceromvia = Dic.Edwardsaedes = Edw.Finlava = Fin.Fredwardsius = Fre.Geoskusea = Geo.Gymnometopa = Gym.Halaedes = Hal.Howardina = How.

Huaedes = Hua.

Kenknightia = Ken.Kompia = Kom. Leptosomatomvia = Lep.Levua = Lev.Lorrainea = Lor.Macleava = Mac.Molpemvia = Mol.Mucidus = Muc.Neomelaniconion = Neo.Nothoskusea = Not.Ochlerotatus = Och.Paraedes = Par.Protomacleaya = Pro.Pseudarmigeres = Psa.Pseudoskusea = Psk.Rhinoskusea = Rhi.

Scutomyia = Scu. Skusea = Sku. Stegomyia = Stg. Zavortinkius = Zav.

Rusticoidus = Rus.

ANOPHELES = An.

Anopheles = Ano.
Baimaia = Bmi.
Cellia = Cel.
Kerteszia = Ker.
Lophopodomyia = Lph.
Nyssorhynchus = Nys.
Stethomyia = Ste.

ARMIGERES = Ar. Armigeres = Arm.Leicesteria = Lei.

AYURAKITIA = Ay.

BIRONELLA = Bi.

Bironella = Bir.

Brugella = Bru.

Neobironella = Nbi.

BORICHINDA = Bc.

CHAGASIA = Ch.

COQUILLETTIDIA = Cq. Austromansonia = Aus. Coquillettidia = Coq. Rhynchotaenia = Rhy. CULEX = Cx. Acalleomvia = Aca.Acallyntrum = Acl.Aedinus = Ads. Afroculex = Afc.Allimanta = Alm.Anoedioporpa = And.Barraudius = Bar.Belkinomyia = Bel.Carrollia = Car.Culex = Cux.Culiciomvia = Cui.Eumelanomvi = Eum.Kitzmilleria = Kit.Lasiosiphon = Las.Lophoceraomyia = Lop.Maillotia = Mai.Melanoconion = Mel.Micraedes = Mca.Microculex = Mcx.Neoculex = Ncx.Oculeomyia = Ocu.Phenacomyia = Phc.Sirivanakarnius = Sir.Tinolestes = Tin.

CULISETA = Cs.
Allotheobaldia = All.
Austrotheobaldia = Aut.
Climacura = Cli.
Culicella = Cuc.
Culiseta = Cus.
Neotheobaldia = Net.
Theomyia = Thm.

DEINOCERITES = De.

ERETMAPODITES = Er.

FICALBIA = Fi.

GALINDOMYIA = Ga.

HAEMAGOGUS = Hg. Conopostegus = Con.Haemagogus = Hag.

HEIZMANNIA = Hz.Heizmannia = Hez. Mattinglyia = Mat.HODGESIA = Ho.

ISOSTOMYIA = Is.

JOHNBELKINIA = Jb.

KIMIA = Km.

LIMATUS = Li.

LUTZIA = Lt. Insulalutzia = Ilt. Lutzia = Lut. Metalutzia = Mlt.

MALAYA = Ml.

MANSONIA = Ma. Mansonia = Man.Mansonioides = Mnd.

MAORIGOELDIA = Mg.

MIMOMYIA = Mi. Etorleptiomyia = Eto. Ingramia = Ing.Mimomyia = Mim.

ONIRION = On.

OPIFEX = Op.

ORTHOPODOMYIA = Or.

PSOROPHORA = Ps. Grabhamia = Gra. Janthinosoma = Jan.Psorophora = Pso.

RUNCHOMYIA = Ru. Ctenogoeldia = Cte. Runchomyia = Run.

SABETHES = Sa. Davismyia = Dav. Peytonulus = Pey. Sabethes = Sab. Sabethinus = Sbn. Sabethoides = Sbo.

SHANNONIANA = Sh.

TANAKAIUS = Tn.

TOPOMYIA = To. Suaymyia = Sua.Topomyia = Top.

TOXORHYNCHITES = Tx. Afrorhynchus = Afr. Ankylorhynchus = Ank. Lynchiella = Lyn.Toxorhynchites = Tox.

TRICHOPROSOPON = Tr.

TRIPTEROIDES = Tp. Polylepidomyia = Pol. Rachionotomyia = Rah. Rachisoura = Rac. Tricholeptomyia = Tri.Tripteroides = Trp.

UDAYA = Ud.

URANOTAENIA = Ur. Pseudoficalbia = Pfc.Uranotaenia = Ura.

VERRALLINA = Ve. Harbachius = Har. Neomacleaya = Nma. Verrallina = Ver.

WYEOMYIA = Wv.Antunesmvia = Ant.Caenomviella = Cae.Cruzmvia = Cru.Decamvia = Dec.Dendromyia = Den.Dodecamvia = Dod.Exallomvia = Exm.Hystatamyia = Hys.Menolepis = Men.Nunezia = Nuz.Phoniomyia = Pho.Prosopolepis = Prl.Spilonympha = Spi.Wveomvia = Wvo.Zinzala = Zin.

ZEUGNOMYIA = Ze.