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A News Forum for Acridologists
and Orthopterists

David A. Nickle, editor
Systematic Entomology Laboratory, USDA, ARS
c/o U. S. National Museum of Natural History
Washington, D. C. 20560 USA

MESSAGE FROM THE EDITOR

At long last, I have submitted the Proceedings of the 3rd Triennial Meeting of the Pan American Acridological Society, Maracay, Venezuela, 5-10 July 1981 for publication. Although there were many problems along the way, I am pleased with its new format and general appearance. Above all, it is in a standardized format in the WANG word processing system at my laboratory. Because of the work involved in that volume, I anticipate a turnabout time of two months for the next Proceedings. This means that the membership should expect to receive the next Proceedings before the close of 1985! Of course, this depends in part on the cooperation of the contributors in the next Proceedings. I urge all those who plan to present papers or research summaries at the Meetings in Saskatoon to follow the enclosed procedures for submitting their papers for publication. The biggest problem with the Proceedings of the 3rd Triennial Meeting was the inferior quality of several figures, which I had to render myself in order to maintain the minimum level of professional quality I would like to see in the Society's publications. Please follow our procedures for submitting figures in order to reduce my work efforts.

I want to thank Drs. S. K. Gangwere and M. Tyrkus for their help in completing this task. I anticipate the Canadian Meetings will be successful and will advance our Society to even greater levels of achievement.

David A. Nickle
Editor, PAAS

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MEETINGS. - Meetings of the Pan American Acridological Society are held on a triennial basis, in the United States, Latin America, or Canada, in rotation. Symposia, research papers, and business conducted at the Meetings are published in the *Proceedings of the Pan American Acridological Society*.

MEMBERSHIP. - Membership is open to anyone expressing an interest in Orthoptera. Annual dues for members are \$10 (U. S. currency) and for students \$5 (U. S. currency). Members are entitled to all publications available for the duration of their membership.

PUBLICATIONS. - The Society's publications include a newsletter, *Metaleptea*, which is published biannually, the *Proceedings of the Pan American Acridological Society*, which is published triennially in conjunction with the Meetings, and *Occasional Papers*, an irregularly published journal for medium to large sized papers dealing with research on any aspect of Orthoptera. For information regarding any of these publications, contact Dr. David A. Nickle, Editor, SEL, USDA, c/o National Museum of Natural History, Smithsonian Institution, NIIB-168, Washington, D. C. 20560 U. S. A.

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FINAL CALL FOR PAPERS FOR THE 4TH TRIENNIAL MEETING OF THE PAN AMERICAN ACRIDOLOGICAL SOCIETY

The IVth Triennial Meeting of the PAAS will be held in Canada on the campus of the University of Saskatchewan at Saskatoon. The meetings are scheduled for Tuesday, July 30 to Thursday, August 1, 1985, inclusive. Delegates should plan to arrive on Monday, July 29 and leave during the morning of Friday, August 2. PLEASE NOTE: This is a correction from the dates listed in the Preliminary Notice on page 4, vol. 6(1) of *Metaleptra*. Extension of residence at the University can be arranged for those who desire it.

Accommodation (incl. maid service) and meals will be available on the campus at the approximate cost of \$43.50 Canadian funds per person/day for a single room and three meals. Double (sharing) accommodation will cost approximately \$38.25 per person/day. All meeting sessions will be held on campus.

Collecting trips will be organized during the conference (one afternoon - river and stream and pasture/rangeland areas near Saskatoon) and following the conference (two-day trip to the Big Muddy valley area - species and habitat diversity) if enough delegates express interest.

Saskatoon is a beautiful city of approximately 160,000 persons. It is served daily by two national airlines (Air Canada and Pacific Western) with flights from all major cities in Canada. Also there is a daily flight from Denver, CO, U. S. A., via Frontier Airlines. Expect the weather to

be warm and dry during July and August.

There will be three general symposia, tentatively arranged as follows:

- 1) Stability and diversity of grasshopper species in grassland communities
- 2) Endocrine aspects of reproduction in grasshoppers and locusts
- 3) Current topics in acridid systematics

Also, if there is enough interest, there will be two round table discussion groups.

The symposia will be held during the mornings of Tuesday, Wednesday, and Thursday. Submitted papers will be presented during two of the afternoons and one collecting trip will be scheduled for the third afternoon.

Deadline for submitted papers has been set for June 1, 1985. Please consider this notice as the final call for submitted papers.

Cedric Gillot is the Program Chairman for the meetings. The following is a tentative list of speakers and topics for the three symposia:

Stability and diversity of grasshopper species in grassland communities

- Anthony Joern (U. S. A.). *Resource partitioning by grasshopper species in a grassland community.*
- Jerry Onsager (U. S. A.). *Stability and diversity of grasshopper species due to spatial heterogeneity.*
- Paul Reigert (CANADA). *Stability and diversity of grasshopper species due to perturbations.*
- Ricardo Ronderos (ARGENTINA). *Stability and diversity of grasshopper species due to temporal heterogeneity.*
- Chairman M. K. Mukerji (CANADA).

Endocrinology of reproduction in Acrididae

- B. G. Loughton (CANADA). *Endocrine-mediated aspects of male reproductive physiology.*
- M. P. Pener (ISRAEL). *Endocrine control of reproductive behavior.*
- S. S. Tobe (CANADA). *Endocrinology of reproduction in the female acridid.*
- Chairman C. Gillott (CANADA).

Current topics in acridid systematics

- Keith Mc.E. Kevan (CANADA). *The rationale for a modern classification of orthopteroid insects.*
- Alejo Mesa (BRAZIL). *The value of cytology in orthopteroid taxonomy.*

David Nickle (U. S. A.). *Classical museum taxonomy and its importance in orthopteroid taxonomy.*
Daniel Otte (U. S. A.). *The role of sound in orthopteroid taxonomy.*
Chairman V. R. Vickery (CANADA).

Two round-table discussion groups will be scheduled if enough members indicate interest:

1. *Locust and grasshopper control methods in Third World countries.*

Organized by John Henry (U. S. A.)

2. *Acridid rearing methods.* Organized by either Al Ewen (CANADA) or S. K. Gangwere (U. S. A.).

Please address all correspondence to:

Dr. Al Ewen

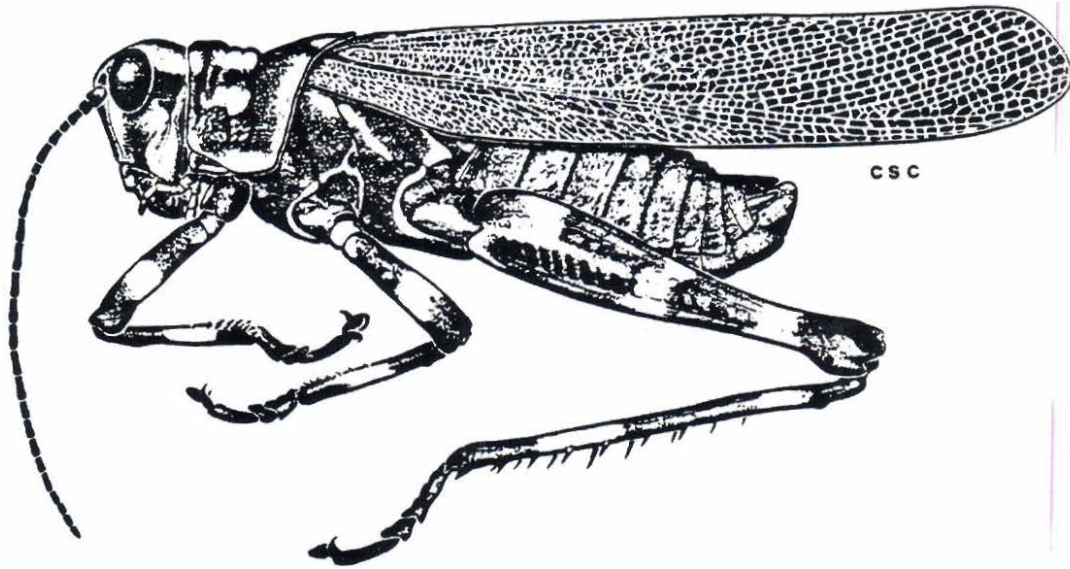
Local Chairman, PAAS

Research Station, Agriculture Canada

107 Science Crescent

SASKATOON, Sask. S7N 0X2

Canada



KNOW YOUR GRASSHOPPERS: *Chromacris speciosa* (Thunberg)
Widespread in South America. [From H. Radclyffe Roberts and Carlos S.
Carbonell. 1982. A Revision of the grasshopper genera *Chromacris* and
Xestotrachelus (Orthoptera, Romaleidae, Romaleinae). Proc. Calif.
Acad. Sci. 43: 43-58].

INFORMATION FOR PREPARATION OF MANUSCRIPTS FOR PROCEEDINGS

GENERAL POLICY

The *Proceedings* will publish manuscripts of papers presented at the 4th Triennial Meetings of the PAAS, either as complete presentations or as research summaries. In general, papers will be printed as submitted, but the editor will reserve the right to make corrections in spelling or grammar. Manuscripts may be in English or in Spanish. Research papers from Symposia should include a Research Summary with the text of the manuscript. This Research Summary should not exceed 1/2 page in length. Where possible, the Research Summary should be translated so that it will appear in both English and Spanish. The rest of the paper will appear only in the language in which it was submitted. Abstracts of Research do not require this bilingual Research Summary and will appear only in the language in which they were submitted.

TYPING THE MANUSCRIPT

Type manuscripts on bond paper with double spacing and ample margins. They will be retyped in the Office of the Editor for camera-ready copy. However, it is important that the manuscripts submitted are easy to read so that the typist for the Editor can type the manuscripts with no problems. Accent marks (in Spanish manuscripts) should be included. Number pages consecutively beginning with the title page. Underscore only where italic type is intended in the body of the text. Type on separate pages the title page, abstract, literature cited, footnotes, tables, and figure legends.

SUBMITTAL OF THE MANUSCRIPT

Submit the original manuscript and one copy to the Editor at the Meeting in Saskatoon NO LATER THAN the close of the Meetings on August 2, 1985. Photographs should be on glossy paper.

NAMES OF ORGANISMS

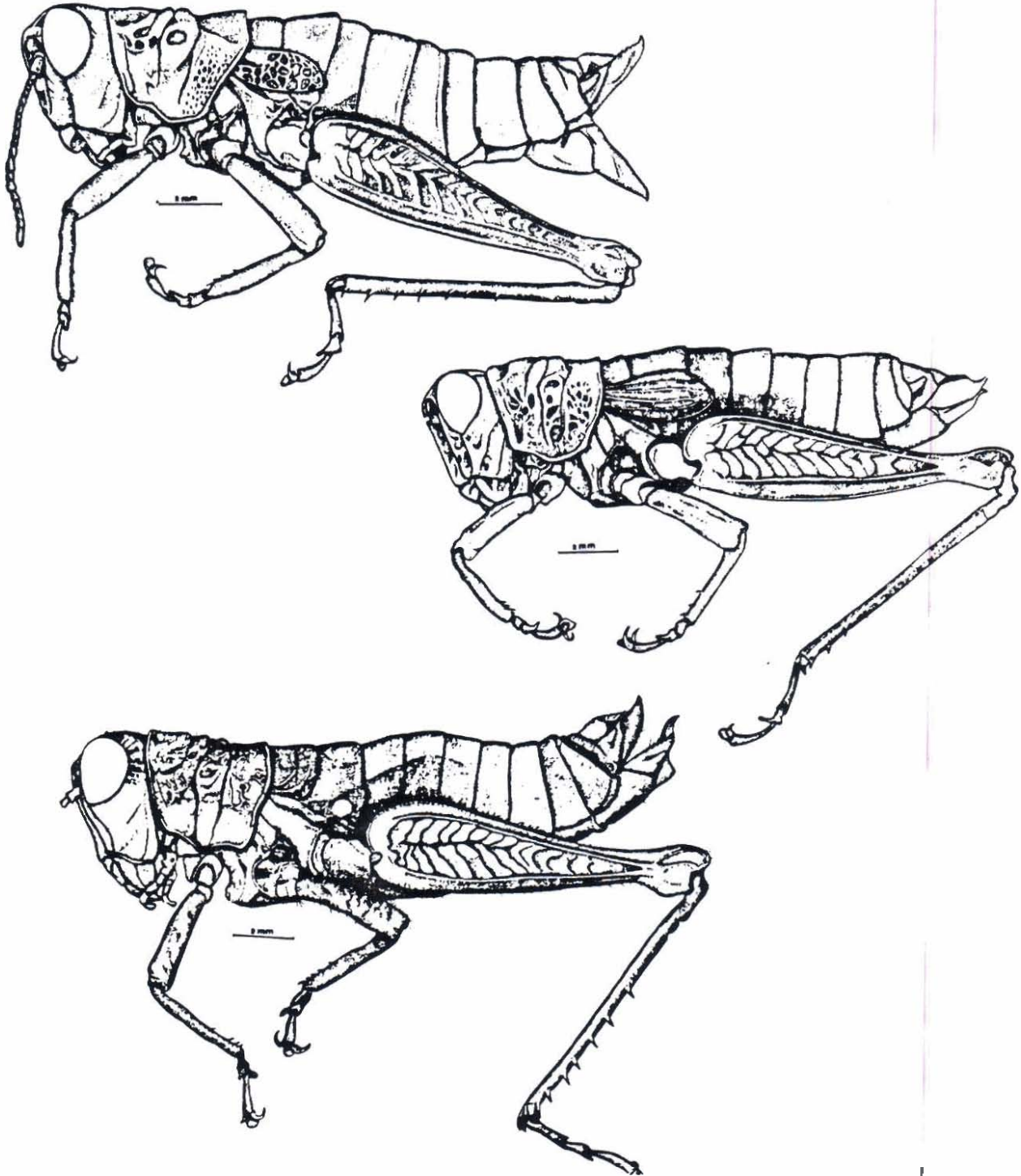
The first mention of a plant or animal should include the full scientific name with the author of a zoological name unabbreviated. Do not abbreviate a generic name when it begins a sentence: e.g., use "*Xus albus* is..." rather than "*X. albus* is ...".

FIGURES AND ILLUSTRATIONS

Authors should plan illustrations for reductions to the dimensions of the printed page (5" x 7.5") and allow room for legends at the top and bottom. Do not make plates larger than 14 x 18". Individual figures should be mounted on suitable board, and photographs should be trimmed, grouped together, and abutted when mounted. The printer will insert hairlines. Include title of paper, author's name and address, and figure numbers on the back of each plate.

TABLES

Keep the number of tables to a minimum. Prepare them as a line drawing or type them on a separate page with the caption at the top and footnotes below.



KNOW YOUR GRASSHOPPERS: *Urubamba* species: A. *Urubamba inconspicua* Bruner from Peru; B. *Urubamba ecuadorica* Hebard from Ecuador; C. *Urubamba elegans* Ronderos from Peru. [From Ricardo A. Ronderos. 1978. Notas sobre "Jivari" (Orthoptera, Acrididae, Melanoplinae). *Acrida* 7: 207-220].

TRABAJOS DE ACRIDILOGIA REALIZADOS EN EL MUSEO PROVINCIAL - La Pampa, ARGENTINA

por

Reynaldo Orrego Aravena
Museo Provincial
6300 Santa Rosa, La Pampa, ARGENTINA

Desde hace más de quince años el Museo Provincial viene realizando tareas de investigaciones acridiológicas en el ámbito de la provincia de La Pampa. Estas tareas se realizaron en colaboración con la Subsecretaría de Asuntos Agrarios cuyo personal destacado en distintas localidades de la provincia recolectó material que fué preparado en el Museo e identificado posteriormente por el Dr. José Lieberman. Este especialista realizó una extensa recorrida por la Zona oriental y central de la provincia en el año 1960 y como resultado de la misma publicó un informe detallado de sus observaciones.

A partir del año mencionado el Museo Provincial inició la recolección de material de tucuras con su personal y con la colaboración de distintas personas. En base a esta labor fué posible reunir ejemplares de la mayoría de los departamentos pampeños.

Las especies coleccionadas fueron identificadas por los acridiólogos José Lieberman y Ricardo Ronderos, La nómina de lo identificado para la provincia de La Pampa comprende 36 especies quedando un pequeño lote para su estudio lo que ha de permitir incorporar nuevas especies a las que se mencionan a continuación en el presente informe.

SISTEMATICA DE LOS ORTOPTEROS

Siguiendo la sistematica de C. Amedegnato se confeccionó el elenco de las tucuras vivientes en la provincia; a tal efecto se tomó en cuenta las familias con representantes pampeanos estableciéndose que hasta la fecha son las siguientes: Ommexechidae con tres géneros; Romaleidae con cinco géneros, y Acrididae con doce.

A su vez cada familia se ha subdividido en subfamilias dentro de las que se han ubicado las especies, cada una de las cuales tiene su procedencia. En base a esta información ha sido posible confeccionar un cuadro tentativo de distribución el que podrá ser ampliado a medida que se obtenga información de otras localidades de procedencia.

La falta de datos de la región Oeste de la provincia, no permite establecer, qué especies son las dominantes y el estado numérico de las mismas. En la mayoría de las fichas se ha volcado datos relacionados con su morfología y costumbres.

Se menciona a continuación las especies coleccionadas y determinadas para la provincia de La Pampa. La tarea de identificación ha sido posible en base a la colaboración prestada por los Drs. Ricardo Ronderos y José A. Lieberman de reconocida autoridad en la materia.

ELENCO DE LAS TUCURAS PAMPEANAS

OMMEXECHIDAE

<i>Clarazella patagona</i> Pictet e Saussure	Santa Rosa; 25 de Mayo
<i>Graea horrida</i> (Philippi)	Santa Rosa; Rucanelo; La Maruja
<i>Spathalium audouini</i> (Blanchard)	Santa Rosa; Pico; Caleufu

ROMALEIDAE

<i>Chromacris speciosa</i> (Drury)	Pico; Santa Rosa; Realico; Victorica
<i>Diponthus argentinus</i> Pictet	Santa Rosa; Castex; Caleufu; I. Alvea
<i>Diponthus communis</i> Bruner	Conhelo; Limay Mahuida
<i>Elaeoclora viridicata</i> (Serville)	Pico; Castex
<i>Nuquenina ficator</i> (Rehn)	Trenel; Anguil; Castex; Santa Rosa
<i>Xileus laevipes</i> Stal	Pico; Santa Rosa; Realico; Alvear
<i>Zoniopoda tarsata</i> (Blanchard)	La Ahumada

ACRIDIDAE

<i>Dichroplus bergi</i> (Stal)	Pico; Castex
<i>Dichroplus conspersus</i> Bruner	Trenel; Hucal; Castex; Rolon C. Lago
<i>Dichroplus elongatus</i> Giglio-Tos	Catrilo; Guatrache; Castex; Caleufu
<i>Dichroplus maculipennis</i> (Blanchard)	Catrilo; Santa Rosa; Bernasconi
<i>Dichroplus pratensis</i> Bruner	Santa Rosa; Pico; Castex; Catrilo
<i>Dichroplus punctulatus</i> (Thunberg)	Santa Rosa; Catrilo; Anguil; Relon
<i>Dichroplus vittatus</i> (Bruner)	Rancul; Madachina; Victorica; Toay
<i>Neopedies brunneri</i> (Giglio-Tos)	Catrila; Santa Rosa; Utracán
<i>Scotussa daguerrei</i> Lieberman	Anguil
<i>Aleuas lineatus</i> Stal	Catrilo; Santa Rosa; Hucal; Toay
<i>Allotruxalis gracilis</i> Giglio-Tos	Santa Rosa; Rolon
<i>Allotruxalis strigata</i> (Bruner)	Santa Rosa; Anguil Parque Luro
<i>Covasacris albitarsis</i> Lieberman	Anguil; Colonia Lagos; Rolon
<i>Eutryxalis filata minor</i> Giglio-Tos	T/M. Anchorena
<i>Parorhphula graminea</i> Bruner	Anguil; Conhelo; Castex; Colonia Lagos
<i>Trimerotropis pallidipennis</i> Burmeister	Santa Rosa; Coleufu; 25 de Mayo
<i>Euplectrotettix ferrugineus</i> Bruner	Santa Rosa; E. Castex; Anguil
<i>Euplectrotettix schulzi</i> Bruner	Sin procedencia
<i>Lapatocris dispar</i> Rehn	Anguil
<i>Rhammatocerus pictus</i> Bruner	Santa Rosa; Pico; La Maruja Alvear
<i>Scyllinops bruneri</i> Rehn	Catrilo; Santa Rosa; Quemu; Quemu
<i>Scyllinops pallida</i> Bruner	Acha; Atreuco; Santa Rosa; Anguil
<i>Sinipta dalmani</i> Stal	Santa Rosa; Anchorena; Conhelo
<i>Scyllina signatipennis</i> (Blanchard)	Santa Rosa; Castex; Colonia Lagos
<i>Scyllina variabilis</i> (Bruner)	Sin localidad
<i>Staurorhectus longicornis</i> Giglio-Tos	Anchorena; Santa Rosa; Castex

En total 36 especies

NEW MEMBERS

Dr. Michael D. Greenfield* e
Department of Biology
University of California at
Los Angeles
405 Hilgard Avenue
Los Angeles, CA 90024
USA

Prof. Manuel Morales Martin* s
Poeta Tomas Morales 17
Santa Cruz de Tenerife
Canary Islands 38006
SPAIN

Dr. M. C. Muralirangan* e
Department of Natural Sciences
Guru Nanak College
Madras 600 032
INDIA

Dr. Meera Muralirangan* e
S.D.N.B. Vaishnav College for Women
Madras 600 044
INDIA

PAAS MEMBERSHIP LIST, 1982-

- Prof. Mohammad Karimuddin Ahmed* e
Department of Plant Protection
Jinnah Avenue --- Malir Halt
Karachi 27
PAKASTAN
- Sr. Jose Alonso Escobedo* s
Calle 20, #385 Sur
Torreon
Coah.
MEXICO
- Sr. Maximo Alonso Ruiz* s
Subprograma de Sanidad Vegetal
Secr. de Agric. y Recursos Hydraul.
Calle 10
Campache
MEXICO
- Dr. Christiane Amedegnato* e
Lab. d'Entomologie gen. et appl.
Museum National d'Histoire Naturelle
45 bis Rue de Buffon
75005 Paris
FRANCE
- Dr. N. L. Anderson**** e
Professor
Department of Biology
Montana State University
Bozeman, MT 59717
USA
- Mr. Don C. Arnold* e
1815 N. Boomer, H-16
Stillwater, OK 74975
USA
- Dr. Orlando Astacio Cabrera* s
Organ. Inter. Reg. de San. Vegetal
A. P. 434
Managua
NICARAGUA
- Association d'Acridologie e
c/o Dr. F. O. Albrecht, President
105 Boulevard Raspail
75 - Paris 6
FRANCE
- Mr. Graeme L. Baker* e
Department of Agriculture
P. M. B. No. 10
Rydalmere, NSW 2116
AUSTRALIA
- Dr. A. H. Barnum* e
Director
Div. of Biological Sciences
Dixie College
St. George, UT 84770
USA
- Sr. Mauricio Barrera* s
Serv. Nac. de Sanidad Vegetal
Inspeccion Regional SEPRA
Haiti 117-4000
San Miguel de Tucuman
ARGENTINA
- Mr. Robert G. Bellinger* e
Department of Entomology
Virginia Polytechnic Institute
& State University
Blacksburg, VA 24061
USA
- Mr. James V. Benschoter* e
Ben-E-Lene Exterminators, Inc.
3154 Sylvania Avenue
Toledo, OH 43613
USA
- Biblioteca* s
c/o Srta. Luisa Margarita Gonzalez
Inst. de Zool. Agric., Agron.
Maracay, Aragua 2101 - A
VENEZUELA
- Bibliotheek der Nederlandse
Entomologische Vereniging* e
Plantage Middenlaan 64
1018 DH Amsterdam
NETHERLANDS
- Lic. Claudio J. Bidau* s
Genetica, Depto. Cs. Biol.
Fac. Ciencias Exactas y Naturales
Ciudad Universitaria
1428 Capital Federal
ARGENTINA

Dr. R. G. Bland* e
 Professor
 Department of Biology
 Central Michigan University
 Mount Pleasant, MI 48859
 USA

Dr. Cyril A. Blondheim* e
 Department of Zoology
 The Hebrew University
 Jerusalem
 ISRAEL

Mr. M. H. Blust** e
 Department of Entomology
 Waters Hall
 Kansas State University
 Manhattan, KS 66506
 USA

Ms. Lorraine Braun* e
 Agriculture Canada Research Station
 107 Science Crescent
 Saskatoon, Saskatchewan S7N 1C5
 CANADA

Mr. Brian L. Bret** e
 Department of Entomology
 Virginia Polytechnic & State University
 Blacksburg, VA 24060
 USA

British Museum (Natural History)* e
 General Library
 Cromwell Road
 London SW7 5BD
 ENGLAND

Sr. Flavio Henrique Caetano* s
 Caixa Posta 178
 13500, Rio Claro
 Sao Paulo
 BRAZIL

Sr. Luiz C. Calderon* s
 Lab. Cibernetica, Fac. Ciencias
 QUAM, Mexico 20
 D. F.
 MEXICO

Dr. Irving J. Cantrall*** e
 Professor
 Museum of Zoology
 University of Michigan
 Ann Arbor, MI 48109
 USA

Ing. Carlos S. Carbonell*** e
 Casilla de Correo 490
 Montevideo
 URUGUAY

Mr. Ulf Carlberg** e
 Atlasvagen 53
 S-131
 34 Nacka
 SWEDEN

Srta. Alicia E. Castillo-H.** s
 Apt. 5151
 El Limon
 Aragua 2105-A
 VENEZUELA

Prof. Francisco Cerda* s
 Instituto de Zoologia Agricola
 Facultad de Agronomia, U. C. V.
 Apartado 4579
 Maracay, Aragua
 VENEZUELA

Dr. William Chapco* e
 Department of Biology
 University of Regina
 Regina, Saskatchewan S4S 0A2
 CANADA

Dr. R. F. Chapman* e
 Department of Entomology
 University of California
 Berkeley, CA 94720
 USA

Dr. Theodore J. Cohn* e
 Professor
 Department of Zoology
 San Diego State University
 San Diego, CA 92182
 USA

Lic. Pablo C. Colombo* s
De la Torre 944
Zarate 2800
Buenos Aires
ARGENTINA

Srta. Viviana A. Confalonieri de Lovadina* e
Bauness 2509, 5º A
Buenos Aires
Capital Federal 1431
ARGENTINA

Ing. Hugo A. Cordo* s
Biological Control of Weeds
Research Laboratory, USDA, SEA
Bolivar 1559, 1686 Hurlingham
Prov. Buenos Aires
ARGENTINA

Ing. Agr. Eduardo Cosenzo* s
Sec. de Estado de Agric. y Gan.
Ser. Nac. de Sanidad Vegetal
Paseo Colon 922
Buenos Aires 1063
ARGENTINA

Council for Intern. Exchange of e
Scholars
c/o Ms. Anne Carpenter
Eleven Dupont Circle
Washington, D. C. 20036
USA

Mr. Anthony Dajnowicz** e
Department of Pediatrics
School of Medicine, WSU
3901 Beaubien
Detroit, MI 48201
USA

Dr. Matt E. Dakin* e
Box 41435
University of Southwestern Louisiana
Lafayette, LA 70504
USA

Dr. Paul F. Daley* e
U. C. Division of Biol. Control
1050 San Pablo Ave.
Albany, CA 95616
USA

Dr. M. Descamps*** e
Laboratoire d'Entomologie
Mus. nat. d'Histoire naturelle
45 bis Rue de Buffon
Paris 75005
FRANCE

Division of Plant Industry* e
Library
P. O. Box 1269
Gainesville, FL 32602
USA

Dr. Christopher J. Durden* e
Texas Memorial Museum
2400 Trinity Street
Austin, TX 78705
USA

Dr. Douglas E. Elliott** e
Department of Entomology
University of Kansas
Lawrence, KS 66045
USA

Div. of International Programs e
c/o Dr. Bodo Bartocha
Director
National Science Foundation
Washington, D. C. 20550
USA

Dr. Al B. Ewen* e
Research Station, Agric. Canada
107 Science Crescent, Univ. of Sask.
Saskatoon, Saskatchewan S7N 0X2
CANADA

Dr. Amilton Ferreira* s
Depart. de Morfologia Animal
Fac. Filos., Cienc. Letras
Cx. P. 178
13500 Rio Claro, S. P.
BRAZIL

Dr. S. K. Gangwere* e
Professor
Department of Biological Sciences
Wayne State University
Detroit, MI 48202
USA

Profesora Maria D. Garcia Garcia* s
Departamento de Zoologia
Facultad de Biologia
Universidad de Murcia
Murcia
SPAIN

Sr. Mario Gentili* s
Museo Patagonico de Cienc. Nat.
San Martin de los Andes
Neuquen
ARGENTINA

GERDAT e
c/o Dr. M. H. Launois-Luong
B. P. 5035 - 34032 Montpellier
CEDEX
FRANCE

Dr. Cedric Gillott* e
Department of Biology
University of Saskatchewan
Saskatoon, Saskatchewan S7N 0W0
CANADA

Mr. Kenneth J. Goeden* e
Oregon Department of Agriculture
P. O. Box 723
Hermiston, OR 97838
USA

Ms. Rebecca J. Goldberg** e
Department of Ecology
& Behavioral Biology
University of Minnesota
109 Zoology Bldg., 318 Church St. SE
Minneapolis, MN 55455
USA

Mr. Tim Graham** e
Department of Biology
UMC45
Utah State University
Logan, UT 84322
USA

Ms. Philippe J. Grandcolas**
3 rue Baillet Lévêque
F. 78,000
Versailles
FRANCE

Dr. Michael D. Greenfield* e
Department of Biology
University of California at
Los Angeles
405 Hilgard Avenue
Los Angeles, CA 90024
USA

Mr. David M. Griffith** e
Department of Biological Sciences
University of Illinois at Chicago
Box 4348
Chicago, IL 60680
USA

Srta. Rosa Guerra Munoz* s
Depto. Biol., Fac. Medicina
Universidad de Valparaiso
Casilla 130-V
Valparaiso
CHILE

Dr. A. B. Gurney**** e
4606 North 41st Street
Arlington, VA 22207
USA

Dr. Darryl Gwynne* e
Department of Zoology
University of Western Australia
Nedlands, WA 6009
AUSTRALIA

Mr. J. Lloyd Harris** e
3085 Albert Street
Regina
Saskatchewan S4S 0B1
CANADA

Dr. J. C. Hartley* e
Department of Zoology
University of Nottingham
University Park, Nottingham NG7 2RD
ENGLAND

Dr. A. W. Harvey* e
Centre for Overseas Pest Research
College House, 29 Wrights Lane
London W8 5SJ
ENGLAND

Dr. Kurt Harz* e
 Ensee 44
 D-8801
 Steinsfeld
 WEST GERMANY

Mr. L. K. Hazarika** e
 Dept. of Entomology, Cook College
 Rutgers University
 P. O. Box 231
 New Brunswick, NJ 08903
 USA

Ing. Feliciano E. Henostroga C.* s
 Avenida Colonial 2539
 Lima 1
 PERU

Dr. J. E. Henry* e
 USDA Rangeland Insect Laboratory
 c/o Montana State University
 Bozeman, MT 59717
 USA

Prof. C. B. Hewitt* e
 CNPGC/EMBRAPA
 Caixa Postal 154
 79,000 Campo Grande-ME
 BRAZIL

Dr. John R. Hilliard, Jr.* e
 Professor
 Department of Life Sciences
 Sam Houston State University
 Huntsville, TX 77340
 USA

Dr. Li Hong-chang* e
 Institute of Zoology
 Academia Sinica
 7 Zhongguancun Lu, Haitien
 Beijing
 CHINA

Dr. Theodore L. Hopkins* e
 Professor
 Department of Entomology
 Kansas State University
 Manhattan, KS 66506
 USA

Dr. Chia Hsiung* e
 Lyman Entomological Museum
 Macdonald College, McGill University
 Ste. Anne de Bellevue, P. Q. H9X 1C0
 CANADA

Dr. Theodore H. Hubbell**** e
 Professor
 Museum of Zoology
 University of Michigan
 Ann Arbor, MI 48109
 USA

Mr. Pal Huber** e
 Uri utca 38
 H-1014
 Budapest
 HUNGARY

Dr. N. D. Jago* e
 Overseas Development Administration
 Tropical Development & Research Institute
 College House, 29 Wrights Lane
 London W8 5SJ
 ENGLAND

Dr. Rudolf Jander* e
 Department of Entomology
 University of Kansas
 Lawrence, KS 66045
 USA

Ms. Karen A. Jepsen** e
 1303 Alpine
 #16A
 Boulder, CO 80302
 USA

Dr. Anthony Joern* e
 Associate Professor
 School of Life Sciences
 University of Nebraska
 Lincoln, NB 68588
 USA

Dr. Dan Johnson* e
 Agriculture Canada
 Research Station
 Lethbridge Alberta T1S 4B1
 CANADA

Dr. William P. Kemp* e
Rangeland Insect Laboratory
USDA, ARS
Bozeman, MT 59715
USA

Dr. D. Keith McE. Kevan*** e
Lyman Entomological Museum
Macdonald Campus, McGill Univ.
Ste. Anne de Bellevue, P. Q. H9X 1C0
CANADA

Dr. Herbert C. Knutson* e
Professor
Department of Entomology
Kansas State University
Manhattan, KS 66506
USA

Dr. Sheldon J. Lachman* e
Department of Psychology
Wayne State University
Detroit, MI 48202
USA

Dra. Nelly Lafuente Indo* s
Lab. Citogenetica Experimental
Facultad Odontologia, Casilla 1903
Universidad de Chile
Valparaiso
CHILE

Mr. Richard Y. Lamb** e
Dept. of Biological Sciences
Univ. of Illinois at Chicago Circle
P. O. Box 4348
Chicago, IL 60680
USA

Dr. R. Lavigne* e
University of Wyoming
Box 3354, University Station
Laramie, WY 82071
USA

Ms. Philippe Le Gall** e
Lab. d'Entomologie
Museum National Hist. Nat.
45 bis rue de Buffon
75005 Paris
FRANCE

Lt. Cdr. Henry B. Lewandowski* e
NRMC Box 32
FPO
Seattle, WA 98778
USA

Dr. A. C. Lewis* e
P. O. Box 1543
Boulder, CO 80306
USA

Mr. C. N. Lietzau* e
962 Marvell Place
Pontiac, MI 48084
USA

Mr. David C. Lightfoot** e
Department of Biology, Box 3AF
New Mexico State University
Las Cruces, NM 88003
USA

Dr. Gerardo G. Liljestrom* e
Museo de La Plata
Paseo del Bosque s/n
La Plata
ARGENTINA

Srta. Dna. V. Llorente del Moral* s
Instituto Espanol de Entomologia
Jose Gutierrez Abascal 2
Madrid 6
SPAIN

Srta. Georgina Cecilia Luna* s
Fac. de Ciencias Naturales y Museo
Paseo del Bosque s/n
La Plata
ARGENTINA

Dr. James A. MacMahon* e
Department of Biology
UMC53
Utah State University
Logan, UT 84322
USA

Mr. Charles M. MacVean** e
Department of Entomology
Colorado State University
Fort Collins, CO 80523
USA

Dr. Carlos Marquez Mayaudon* s
 Instituto de Biología
 Universidad Nacional Autónoma
 Apartado Postal 70 - 233
 Mexico 20, D. F.
 MEXICO

Dr. Alejo Mesa* s
 Faculdade de Filosofia, Ciências e
 Letras
 Rio Claro 13500, S. P.
 BRAZIL

Sr. E. Morales Agacino* s
 Instituto Nacional Invest. Agron.
 Avenida de Puerta de Hierro
 Madrid 3
 SPAIN

Prof. Manuel Morales Martín* s
 Poeta Tomas Morales 17
 Santa Cruz de Tenerife
 Canary Islands 38006
 SPAIN

Dr. Mukul K. Mukerji* e
 Research Station, Agric. Canada
 107 Science Crescent
 Saskatoon, Saskatchewan S7N 0X2
 CANADA

Dr. M. C. Muralirangan* e
 Department of Natural Sciences
 Guru Nanak College
 Madras 600 032
 INDIA

Dr. Meera Muralirangan* e
 S.D.N.B. Vaishnav College for Women
 Madras 600 044
 INDIA

Dr. D. A. Nickle* e
 Syst. Entomology Laboratory, USDA
 c/o U. S. National Museum of Nat-
 ural History, NHB 168
 Smithsonian Institution
 Washington, D. C. 20560
 USA

Mr. Gordon Nishida* e
 Bishop Museum,
 Department of Entomology
 P. O. Box 19000-A
 1525 Bernice Street
 Honolulu, HI 96817
 USA

Mr. Owen O. Olfert* e
 107 Science Crescent
 Saskatoon, Saskatchewan S7N 0X2
 CANADA

Dr. J. A. Onsager* e
 Rangeland Insect Laboratory
 USDA, ARS
 c/o Montana State University
 Bozeman, MT 59717
 USA

Sr. Reynaldo Orrego Aravena* s
 Museo Provincial
 6300 Santa Rosa
 La Pampa
 ARGENTINA

Dr. Daniel Otte* e
 Department of Entomology
 Academy of Natural Sciences of
 Philadelphia
 19th & the Parkway
 Philadelphia, PA 19103
 USA

Dr. S. Y. Paranjape* e
 Dept. Zool. & Postgrad. Res. Centre
 Modern College, Shivajinagar
 Pune 411005
 INDIA

Mr. Keith L. Partain* e
 1851 S. 106 E. Pl.
 Tulsa, OK 74128
 USA

Mr. Lars-Erik K. Pedersen* e
 Research, Cheminova Ltd.
 P. O. Box 9
 Dk - 7620 Lemvig
 DENMARK

Dr. M. P. Pener* e
 Department of Zoology
 The Hebrew University
 Jerusalem, (01) 221281
 ISRAEL

Dr. R. E. Pfadt* e
 Entomology
 Box 3354
 University of Wyoming
 Laramie, WY 82071
 USA

Plant Industry Branch* e
 Room 133
 3085 Albert Street
 Regina, Sask. S4S 0B1
 CANADA

Dr. Juan José Presa* s
 Departamento de Zoología
 Facultad de Biología
 Universidad de Murcia
 Murcia
 SPAIN

Mr. N. E. Rees* e
 1321 S. Montana
 Bozeman, MT 59715
 USA

Dr. D. C. F. Rentz* e
 Division of Entomology
 CSIRO, Box 1700
 Canberra, ACT
 AUSTRALIA

Dr. Klaus Riede* e
 MPIV
 Abt. Muber
 8131 Seewiesen
 WEST GERMANY

Dr. P. W. Riegert* e
 University of Regina
 Regina, Saskatchewan S4S 0A2
 CANADA

Sr. Eduardo Rivera Garcia*
 Instituto de Ecología
 Centro Regional Norte Arido
 Apdo. Postal 263, Suc. B
 35070 Gomez Palacio, Dgo.
 MEXICO

Dr. Ricardo A. Ronderos* s
 Fac. de Ciencias Nat. y Museo
 Universidad Nacional de La Plata
 Paseo del Bosque 1900
 La Plata
 ARGENTINA

Dr. Mary H. Ross* e
 Department of Entomology
 Virginia Polytechnic Inst. & State Univ.
 Blacksburg, VA 24061
 USA

Dr. Hugh Fraser Rowell* e
 Zool. Institut der Universitat
 Rheinsprung 9
 4051 Basel
 SWITZERLAND

Srta. Norma Elba Sanchez* s
 102 Nelson Story
 Bozeman, MT 59715
 USA

Dr. K. S. Sastry* e
 10304 Batteridge Place
 Gaithersburg, MD 20879
 USA

Prof. Giovanni Sbrenna* s
 Instituto di Zoologia
 V L Borsari 46
 44100 Ferrara
 ITALY

Dr. John C. Schultz* e
 Department of Biological Sciences
 Dartmouth College
 Hanover, NH 03755
 USA

Science Library e
c/o Mr. Emerson Hilker
Wayne State University
Detroit, MI 48202
USA

Dr. Carlos Alberto Campos Seabra*** s
Alvaro Alvim 48
Rio de Janeiro, RJ
BRAZIL

Mr. Charles J. Shanley** e
Department of Biological Sciences
Wayne State University
Detroit, MI 48202
USA

Dr. Kenneth C. Shaw* e
Department of Zoology
Iowa State University
Ames, IA 50011
USA

Dr. Rafik Skaf* e
Locusts, Mig. Pests, & Emer. Oper.
FAO, United Nations
Via delle Terme di Caracalla
Roma 00100
ITALY

Ms. Sherilyn F. Smith* e
Department of Biology
Skidmore College
Saratoga Springs, NY 12866
USA

Smithsonian Institution* e
Library
Washington, D. C. 20560
USA

Dr. John D. Spooner* e
Division of Natural Sciences
University of South Carolina at Aiken
Aiken, SC 29801
USA

Dr. Angel de la Merced Stoka* s
CEPAVE
Calle 2, No. 584
1900 La Plata
ARGENTINA

Tinker Foundation, Inc: e
c/o Ms. Renate Rennie
Program Officer
645 Madison Avenue
New York, NY 10022
USA

Dr. Ernest R. Tinkham**** e
81-441 Date Palm Avenue
Indio, CA 92201
USA

Mr. D. W. Tonkyn** e
Department of Biology
Princeton, NJ 08540
USA

Ing. Neldo Angel Tracanna* s
Ministerio Asuntos Agrarias
Provincia Buenos Aires
Roca 345 (7500) Tres Arroyos
ARGENTINA

Tropical Development & Research Institute
c/o Library
College House, 29 Wrights Lane
London W8 5SJ
ENGLAND

Srta. Sonia Z. Turk* s
Instituto Miguel Lillo
Miguel Lillo 205-4000
San Miguel de Tucuman
ARGENTINA

Dr. Michael Tyrkus* e
Department of Pediatrics
School of Medicine, WSU
3901 Beaubien
Detroit, MI 48201

Dr. D. H. Van Horn* e
Department of Biology
University of Colorado
Colorado Springs, CO 80907
USA

Mr. Kerry J. Vesco** e
Department of Biological Sciences
Wayne State University
Detroit, MI 48202
USA

Dr. Vernon R. Vickery* e
 Lyman Entom. Mus. & Res. Lab.
 Macdonald Campus of McGill Univ.
 Ste. Anne de Bellevue, P. Q. H9X 1C0
 CANADA

Sra. Leonor C. de Villalobos* s
 Fac. de Ciencias Nat. y Museo
 Universidad Nacional de La Plata
 Paseo del Bosque 1900
 La Plata
 ARGENTINA

Dra. Nilda Elda Virla de Arguello* s
 Centro de Zoología Aplicada
 Casilla de Correo 122
 5000 Cordoba
 ARGENTINA

Dr. Saralee Visscher* e
 Department of Entomology
 Montana State University
 Bozeman, MT 59717
 USA

Mr. Steve A. Vix* e
 c/o C. A. Fry
 160 Darling Drive
 Lake Orion, MI 48035
 USA

Dr. D. B. Weissman* e
 373 N. Rengstorff #3
 Mountain View, CA 94043
 USA

Mr. James A. Whellan**** e
 56 Cassia Street
 DEE WHY
 NSW 2099
 AUSTRALIA

Mr. R. J. Wille** e
 151 McCatty
 Union Lake, MI 48085
 USA

Dr. R. B. Willey* e
 Dept. of Biological Sciences
 Univ. of Illinois at Chicago Circle
 P. O. Box 4348
 Chicago, IL 60680
 USA

Srta. Maria Laura de Wysiecki* s
 Lab. Ecología Vegetal
 Facultad Ciencias Nat. y Museo
 Calle 7, No. 634, 10 "D"
 1900 La Plata
 ARGENTINA

Dr. Chen Yong-lin* e
 Dept. Insect Ecology, Inst. Zoology
 Academia Sinica
 7 Zhongguancun Lu, Haitien
 Beijing
 CHINA

Sr. Enrique Ramon Zamorano Ponce** s
 Depto. Ciencias Basicas
 Inst. Prof. Chillan
 18 de Sept., No. 580, Casilla 848
 Chillan
 CHILE

* Regular
 ** Student
 *** Honorary
 **** Emeritus

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