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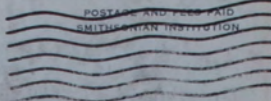
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About the Institute

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

SMITHSONIAN INSTITUTION
WASHINGTON, D. C. 20560
OFFICIAL BUSINESS



Dr. Robert M. King
Department of Botany
National Museum of Natural History
Smithsonian Institution
Washington, D. C. 20560

Eric's



give
The United Way



*asplund
pre-eminent field collector of
Ecuadorian plants*

Dr. R. M. King

U. S. National Museum

Smithsonian Institution

Washington, D. C. 20560

Dec. 4, 1974

Dear Bob: Thank you so much for your call and your thoughtfulness in offering to xerox the pages with new verbenaceous taxa. N. Rojas Acosta, Cat. Hist. Nat. Corrientes 76, 172, 206, 77, 205, & 173. 1897 and Ess. Ther. Vég. Corr. 11. 1913 [sorry the page numbers aren't in sequence]. Complete titles of the works are (1) Catálogo Historia Natural de Corrientes, Buenos Aires, 214 pp. 1897 and (2) Essai d'une thérapeutique végétale de Corrientes, Resistencia, 53 pp. 1913. The Eupatorium spp. are on pp. 69, 168, 68, 167, & 203 of the first-mentioned work; Tillandsia platytachia Rojas is on p. 86, T. spicata on 209, & T. violata on 85 and 209. See A. Krapovickas, Historia de la Botánica en Corrientes in Bol. Soc. Argent. Bot. 11: 229--276. 1970 for complete listing and other pertinent info.

With all best wishes and, again, sincere thanks,
as ever

Harold

I cut out the Degener's paper from 21 Sept. 27, 1972 of your copies as they wanted them as "tear-sheets". This does not hurt your pages in any way. Hope you don't mind.

I am today shipping to you Book Rate one box with 119 and 13 copies of the latest PHYTOLOGIA for you and Robinson and 13 copies for Velva Rudd (in an elastic band among your copies). The carbon of her typescript is also returned to her there.

Being retired now, with no right to use my college address anymore, I can no longer get LIBRARY RATE to send books of herb. specimens. In the future if you want to save the exorbitant parcel post costs on shipments to you, perhaps you could send me franks to use on such parcels. The postage on the shipment coming to you today is considerable and will be included in my final statement which I'll send you after I get the printer's bill. By the way, did I forget to send you a duplicate bill, made out to S.I., for the last issue? Let me know which ones you need another bill for - or do you want to wait until the end of a volume? With all best wishes,

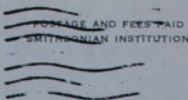
Harold



Dr. Robert M. King
Department of Botany
National Museum of Natural History
Smithsonian Institution
Washington, D. C. 20560

SMITHSONIAN INSTITUTION
WASHINGTON, D. C. 20560

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300
AUG 4 1975



Dr. Robert M. King

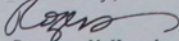
Department of Botany
National Museum of Natural History
Smithsonian Institution
Washington, D. C. 20560

8 August 1974

Dear Bob:

Your collections of 1958 and 1959, along with all our other un-named Mexican collections up to 1960, were long ago sorted to family. Those that have not yet been named are still dispersed that way, so it is essentially impossible to pull out the specimens of any one collector. We are gradually getting them named, and a set of your plants should go to US as the names are put on them.

Sincerely,

Rogers McVaugh
Director

August 2, 1975

Dear Bob,

No. 4 was officially published August 1. Today I am sending in one box to you 92 copies -- of these 38 go to King & Robinson and the other 54 to Cuatrecasas.

Please tell Bohn Wurdack that his paper arrived safely yesterday (on the deadline) and his check today. The paper will be in Vol. 31, no. 6, final issue which I hope to send to press Monday. Wednesday we leave for Calif.

With all best wishes,

COMPOSITAE



NEWSLETTER

Number Seven

December 1978

Charles Jeffrey, Editor, Herbarium, Royal Botanic Gardens, Kew, Richmond, Surrey TW9 3AB, U.K.

Financial support of the NEWSLETTER is generously provided by Otto Koeltz Antiquariat, P.O. Box 1360, 624 Koenigstein-Taunus, B.R.D.

BOOK REVIEW

THE BIOLOGY AND CHEMISTRY OF THE COMPOSITAE, edited by V.H. Heywood, J.B. Harborne and B.L. Turner, Academic Press, London, New York and San Francisco, £55. Pp. 1189 (in two volumes). 1977.

A brief account of ~~the~~ the genesis of this work was given in the last "Newsletter". In the opening chapter, the editors give a brief history of the taxonomy of the family, consider its variation in terms of adaptation to habitats and pollinators and review its chemistry in relation to its economic importance and the rôle of metabolites as chemical defence mechanisms. Turner gives an account of its meagre fossil history and its phytogeography, considering the family to be possibly mid-Cretaceous in origin and explaining its present distribution in terms of continental drift and rapid adaptive radiation from Miocene times onwards. Burt relates much of the diversity observed in involucre, floret and fruit types to selective pressures involving pollination mechanisms, breeding systems, ovary protection, and seed dispersal. Leppik shows that the pattern of evolutionary modification of the capitulum in relation to the sensory perception of pollen vectors parallels that exhibited by single flowers. Jeffrey speculates on the possible evolutionary implications of the occurrence of the bilabiate corolla type. Stebbins evaluates the evolutionary significance of studies in comparative development and functional anatomy. It is unfortunate that he has chosen a taxonomically unsatisfactory Senecio sensu lato on which to base in part his argument in favour of a shrubby ancestry for the Compositae, for as a result, the statements he makes with respect to the genus so circumscribed are without significance for the argument either way. No clear affinity with any other family is concluded from the admittedly equivocal evidence, and it is considered all the specializations of the Compositae except for the gamopetalous corolla evolved independently of similar specializations in other families. Baagøe breaks interesting new ground in considering microcharacters of the ligule epidermis in relation to pollination biology and taxonomy; Eriophyllum and Arnica are helianthoid, not senecionoid, and Calenduleae and Arctotideae are heterogeneous. Further work is needed.

COMPOSITAE



NEWSLETTER

Number Eight

June 1979

Charles Jeffrey, Editor, Herbarium, Royal Botanic Gardens, Kew, Richmond, Surrey TW9 3AE, U.K.

Financial support of the NEWSLETTER is generously provided by Otto Koeltz Antiquariat, P.O. Box 1360, 624 Koenigstein - Taunus, B.R.D.

NAMES OMITTED FROM "THE BIOLOGY AND CHEMISTRY OF THE COMPOSITAE" : 1

I hope to publish from time to time lists of currently employed generic names omitted inadvertently from "The Biology and Chemistry of the Compositae". For pointing out the following, I am grateful to Professor Merxmüller (München). I should much appreciate communication by readers of any names found by them likewise to have been omitted.

Mulgedium Cass. (Lactuceae)

Sipolisia Glaziov (Vernonieae)

Soaresia Sch. Bip. (Vernonieae)

C. Jeffrey

NEWS FROM INDIVIDUALS/REQUESTS FOR MATERIAL

ANDERBERG, Arne, Botaniska Institutionen, Lilla Frescati, 104 05 Stockholm 50, Sweden, is undertaking a taxonomic revision of the genera Anvillea, Anvilleina, Iphiaea and Varthemia (Inuleae).

ANDERSON, Gary D., Department of Chemistry, College of Arts & Sciences, University of Missouri, Kansas City, Missouri 64110, U.S.A., is currently involved in a chemotaxonomic study of some Astereae.

DILLON, Michael O., Field Museum of Natural History, Roosevelt Rd and Lakeshore Drive, Chicago, Illinois 606 05, U.S.A., is working on Asteraceae for Flora of Peru and undertaking biosystematic investigations of disjunctions.

LOWREY, Timothy K., Department of Botany, University of California, Berkeley, California 94720, U.S.A., is working on a biosystematic study of Tetramolopium in the Hawaiian Islands. REQUESTED: living material or seeds of Tetramolopium from New Guinea and Vittadinia from New Zealand and Australia.

MABRY, Tom, Department of Botany, University of Texas at Austin, Austin, Texas, 78712, writes that the address of where the sesquiterpene lactone book by Yoshioka, Mabry and Timmermann can be obtained has changed. It is now available from International Scholarly Book Services, Inc., 2130 Pacific Avenue, Forest Grove, OR. 97116, U.S.A., price \$47.50 with postage and handling in the U.S. of \$1.72.

Missouri
Botanical
Garden



February 26, 1976

Dr. Robert M. King
Department of Botany
Smithsonian Institution
Washington, D. C. 20560

Dear Bob:

With respect to the upcoming Compositae treatment of the Flora of Panama to which you have contributed a portion, each author will receive one copy of the whole work at no charge and may order additional copies at \$15 each provided I receive firm orders by May 1. Payment need not be made until we send an invoice after publication. This price represents our cost, and if cost should turn out to be less, you will be billed at the lesser figure.

This is completely separate from the reprints of individual contributions which each author may choose to order from Allen Press.

Cordially,

W. G. D'Arcy
Research Botanist

WGD:bc

2315 Tower Grove Avenue
St. Louis, Missouri 63110
Tel: 314 865-0440

Roberto

24 July 74

Please relax, relax, relax!
Life is too short for professional
worries.

If you don't believe in Heaven,
it's not worth it. And if you do you
are not getting credits for being a
famous botanist!

Love
Freddie

UNIVERSIDAD CENTRAL DE VENEZUELA
FACULTAD DE AGRONOMIA
INSTITUTO DE BOTANICA AGRICOLA
MARACAY

No. _____

July 11, 1977

Dr. Robert M. King
Department of Botany
Stop #166
National Museum of Natural History
Smithsonian Institution
Washington, D.C. 20560 - USA

Dear Dr. King:

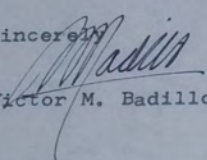
In my hands your two letters from the 15 and 17 of June.
Many thanks for your attention, specially in the determination of the species of Acanthostyles.

I will be glad to see you if you come to Maracay. The date you have selected appears to be somewhat difficult because there are not so many Compositae in the middle of the dry season, but always something can be collected specially in order to your purpose.

Following your desire, I am selecting duplicates for your Herbarium and when I can get a certain number of them, I will announce you for the exchange desired. I have some difficulties with determination of our material and possibly next year I can visit you and your Herbarium for consulting.

With my best wishes,

sincerely,


Victor M. Badillo

VMB:eta.-

CONSERVATOIRE
ET
JARDIN BOTANQUES

~~HERBARIUM DE LAUSANNE~~
HERBIERS BOISSIER, DE CANDOLLE
ET DELESSERT RÉUNIS

DIR.: PROF. JACQUES MIÈGE

GENÈVE, le 4 octobre 1978

Dr. R.M. King
Botany NHB 166
Smithsonian Institution
Washington, D.C. 20 560

Cher Collègue,

J'ai préparé les étiquettes des Composées récoltées au Pérou et au Vénézuéla en 1976. Dans quelques semaines ce matériel partira de Genève.

Comme d'accord, vous recevrez un échantillon pour le U.S. National Herbarium (comme "échange") de chaque récolte. Cependant, dans peu de cas, quand le spécimen est unique, l'échantillon est prêté.

Nous attendons avec beaucoup d'intérêt vos déterminations "ex numéro". Une prière cependant : étant donné que vous établissez beaucoup de genres nouveaux ou que vous rétablissez de petits genres qui étaient en synonymie, nous vous serions très reconnaissants - afin de faciliter le travail de nos techniciens d'herbier - si vous mettiez entre parenthèses le nom (= le basyonime) précédemment usité.

Je pars dans deux jours pour le Paraguay et je suis bien d'accord avec un échange Paraguay-Equateur.

Avec mes salutations les meilleures.

Bernardi ✓
Luciano BERNARDI

SL

Institut de France
Académie des Sciences

PARIS, LE 15 septembre 1978

QUAI DE CONTI N° 23

Danton 02-80 et 66-21

Pierre BERTHON, Archiviste de l'Académie des Sciences,
à Monsieur Robert M. KING.

Monsieur,

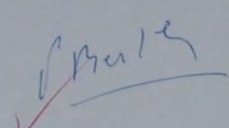
Nous vous prions de nous excuser de répondre
tardivement à votre lettre du mois d'août. Nos Archives
étaient fermées, en raison des vacances d'été, du 20
juillet au 11 septembre.

Nous conservons peu de documents concernant
Henri Cassini V, élu à l'Académie des Sciences le 7 mai
1827 ; dans le dossier biographique, vous trouverez :

- une notice sur H. de Cassini, par M. GOSSIN
Paris 1832 (31 pages) ;
- un portrait gravé, par TARDIEU ;
- Une lettre du 27 juin 1826 (Collection
Adrien de Jussieu).

Nous vous joignons la photocopie des tables des
Procès Verbaux de l'Académie : vous y trouverez les références
de pages concernant H. Cassini. Nous pensons que cette
collection imprimée est conservée dans votre bibliothèque.

Veuillez agréer, Monsieur, l'assurance de nos
sentiments distingués.


P. BERTHON

Organisch-Chemisches Institut
der
Technischen Universität Berlin
Direktor: Prof. Dr. F. Bohlmann

1 Berlin 12, den 7. Nov. 1975
Straße des 17. Juni Nr. 135 (Chemiegeb.)
Fernruf: (0311) 314 2252
Dr. Bo./ba.

Dr. Robert M. King

National Museum of Natural History
Department of Botany
Stop 166
Washington, D.C. 20560
U. S. A.

Dear Dr. King,

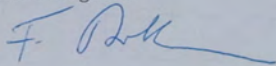
Thank you for the list of Compositae growing in Ecuador. Nearly all are of interest, only a few genera we have already relatively well investigated, therefore in those cases no efforts to get especially them should be made (especially those which are marked are not interesting):

Ageratum⁺
Stevia⁺
Vernonia⁺
Aster⁺
Erigeron⁺
Conyza
Blumea
Pluchea⁺
Gnaphalium⁺
Xanthium⁺
Zinnia⁺
Heliopsis⁺
Siegesbeckia
Jaegeria
Viguiera⁺
Helianthus⁺

Melanthera⁺
Spilanthes⁺
Verbesina⁺
Synedrella
Coreopsis
Dahlia
Bidens
Cosmos
Galinsoga⁺
Schkuhria
Tagetes⁺
Calendula⁺
Cirsium⁺
Cynara⁺
Centaurea⁺
Cnicus⁺
Hypochaeris⁺
Taraxacum⁺
Sonchus⁺
Hieracium⁺

All others are more or less interesting. As mentioned before it would be nice to have about 100 g of roots and 200-300 g of aerial parts (not especially flowering parts).

With kind regards



Prof. Dr. F. Bohlmann

TECHNISCHE UNIVERSITÄT BERLIN

Fachbereich 5

INSTITUT FÜR ORGANISCHE CHEMIE

Direktor: Professor Dr. F. Bohlmann

BERLIN

TU Berlin - IOC - Sekr. C 3 - Straße des 17. Juni 135, 1000 Berlin 12

Dr. Robert M. King
Smithsonian Institution
Dept. of Botany
Stop 166
Washington, D.C. 20560
U.S.A.

Telefon: (030) 314-2252

Berlin, den 28. Aug. 1978

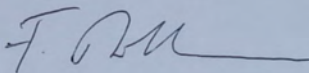
Dear Dr. King,

the plant material we have received in good condition.

Enclosed some new results. What about Stevia? Is this a homogenous genus?

The chemistry indicates that these may be different groups.

With kind regards,



Encl.

TECHNISCHE UNIVERSITÄT BERLIN

Fachbereich 5

INSTITUT FÜR ORGANISCHE CHEMIE

Direktor: Professor Dr. F. Bohlmann

BERLIN

TU Berlin · IOC · Sekr. C 3 · Straße des 17. Juni 135, 1000 Berlin 12

Dr. Robert M. King
Department of Botany, Stop 166
National Museum of Natural History
Smithsonian Institution

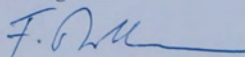
Washington, D.C. 20560

Telefon: (030) 314.2252
Berlin, den 26.9.1979

Dear Dr. King,

thank you for your letter and the comments. I hope you will get the money soon. I have within the papers on Fitchia and Plagiocheilus. The chemistry really is in good agreement with your opinion.

With kind regards



(F. Bohlmann)

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TECHNISCHE UNIVERSITÄT BERLIN

Fachbereich 5

INSTITUT FÜR ORGANISCHE CHEMIE

Direktor: Professor Dr. F. Bohlmann

BERLIN

TU Berlin - IOC - Sekr. C 3 - Straße des 17. Juni 135, 1000 Berlin 12

Dr. Robert M. King
Department of Botany
Smithsonian Institution
Stop # 166
Washington, D. C. 20560

Telefon: (030) 314-2252

Berlin, den October 27, 1978

Bo/Kü-Li

U. S. A.

Dear Dr. King,

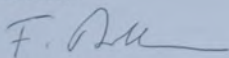
coming back to your last letter I can say that in the case where you can get latex about 1 - 3 g should be sufficient. However, if possible, also some leaves and roots. I am sure there are a lot of other interesting species too. Especially those from the tribe Mutisieae, which still is not very good investigated and furthermore of all the genera which we have not touched at all. But also species from genera we have already investigated surely are still of interest. If you need I could send you again a letter of recommendation for the German embassy. Also I could spend some money if necessary.

I just got a letter from Stuessy. He is interested to see our results on all Heliantheae. But I first would like to ask you, whether we should do this, as I have the feeling, this may give complications. I think it surely will be better, if we are cooperative on this subject. Furthermore I got a letter from Dr. Jeffrey, Kew Gardens. He sent me his ideas concerning two families. I am not sure whether this is useful at all, but if this is a good idea, at least many close relationships must be there. The enclosed scheme would agree more or less with the chemistry, though some lines are not very sure. What is your opinion about this problem of separation?

What about Marshallia and Stokesia? I have written down the results, but if you could add some comments concerning the relationships, it would be nice. You already should have the constituents.

With kind regards,

yours sincerely,



F. Bohlmann

TECHNISCHE UNIVERSITÄT BERLIN

Fachbereich 5

INSTITUT FÜR ORGANISCHE CHEMIE

Direktor: Professor Dr. F. Bohlmann

BERLIN

TU Berlin - IOC - Sekr. C 3 - Straße des 17. Juni 135, 1000 Berlin 12

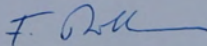
Mr. Robert M. King
Department of Botany
Stop 166
National Museum of Natural History
Smithsonian Institution
Washington, D.C. 20560

Telefon: (030) 314- 2252
Berlin, den 5.9.1979

Dear Dr. King,

thank you for your letter and the correction of the papers. I shall add a sentence in the Spilanthes-paper, but the text already shows that we do not believe that Stuessy is right. Concerning the transportation expenses I surely can help. Please send me an informal bill.

With kind regards



(F. Bohlmann)

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THE UNIVERSITY OF NEBRASKA-LINCOLN
UNIVERSITY OF NEBRASKA STATE MUSEUM
LINCOLN, NEBRASKA 68508

DIVISION OF BOTANY
W-532 NEBRASKA HALL

30 October 1978

Prof. R. M. King
Department of Botany
Smithsonian Institution
Washington, D. C. 20560

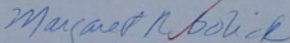
Dear Prof. King:

I have enclosed a reprint of the article that you mentioned at the Missouri Botanical Garden meeting.

I would appreciate copies of your reprints for the herbarium collection here. There really has not been a reprint collection here since Bessey was alive; most of the papers that he collected have ended up in the University archives.

Thank you very much for your help.

Sincerely,



Margaret Bolick
Curator of Botany

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TO OPEN SLIT HERE

SENDER'S NAME AND ADDRESS

The Director,

Royal Botanic Gardens,

Kew, Richmond,

Surrey, England.

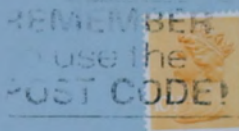
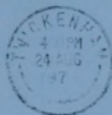
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BY AIRMAIL
AIR LETTER
PAR AVION
AEROGRAMME

ON HER BRITANNIC MAJESTY'S SERVICE



Mr Robert M King

Department of Botany

National Museum of Natural History

Smithsonian Institution

Washington DC 20560

USA

Please address any reply to
THE DIRECTOR
and quote: H 1170/77
Your reference:

ROYAL BOTANIC GARDENS
Kew, RICHMOND, Surrey, England
Telegrams: Kewgar, Richmond, Surrey
Telephone: 01-940 1171

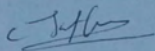
Mr Robert M King
Department of Botany
National Museum of Natural History
Smithsonian Institution
Washington DC 20560
USA

23 August 1977

Dear Mr King

The type specimen Gardner 4864 of Leptoclinium brasiliensis
Gardn., requested by you on loan in your letter to
Dr Davies of 15 August, cannot be traced here at Kew.
Have you any reason to suppose it is, or was, here?
Gardner's original Brazilian collections are at the BM,
and I should imagine that the specimen would be there.

Yours sincerely



J.P. Professor J P M Brenan
Director

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JL



Ville de Genève

Bibliothèque du Conservatoire botanique
de la Ville de Genève

Case postale 60
CH-1292 Chambésy
Suisse

Dr. Robert M. KING
Department of Botany
National Museum of Natural
History
Smithsonian Institution
WASHINGTON. D.C.20560
USA

Genève, le August 18th 1978. HB/jk

Dear Dr. King,

Please, find hereby the only letter of H. Cassini that we
have in Geneva.

It was bought by Cesati who was a neapolitan collector of
botanists' handwritings. Cesati's collection was bought at
his death by Boissier.

The french part of the letter is a request by Cassini for
a translation from german to french ; the translation has
been transcribed as an interlineation of the original docu-
ment.

I do not think you can extract much information from this
document except the proof that Cassini did not understand
german.

Yours sincerely,

H. M. Burdet

Hervé M. Burdet
Conservateur

Incl. 1

UNIVERSITY OF CALIFORNIA, BERKELEY

BERKELEY • DAVIS • IRVINE • LOS ANGELES • RIVERSIDE • SAN DIEGO • SAN FRANCISCO



SANTA BARBARA • SANTA CRUZ

HERBARIUM
DEPARTMENT OF BOTANY

BERKELEY, CALIFORNIA 94720

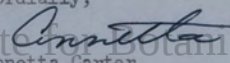
11 August 1976

Memo to Robinson & King
Dept. of Botany
National Museum of Natural History
Smithsonian Institution, Washington, D. C. 20560

Dave Lellinger is kindly taking the enclosed seeds of what I assume to be Carterothamnus anomalochaeta to you. They were in my "apartado" in Loreto when I passed thru recently. After receiving your letter requesting more seeds, I wrote to Sra. Castro, but there was considerable delay in the letter reaching remote Rancho Agua Escondido. She mailed the seeds on ~~4~~7 February and the letter reached Loreto shortly after I was there. I had expected to return soon; so did not ask that mail be forwarded. Hence the long delay in getting the seed to you.

Cordially,

Digitized by Hunt Institute for Botanical Documentation


Annetta Carter
Research Associate

p.s. I have been away so much that I am afraid that I have failed to acknowledge all of the reprints that you have sent my way. I am looking forward to your key to the Eupatorieae!

July 29, 1974

Dr. William L. Culberson
Department of Botany
Duke University
Durham, North Carolina 27706

Dear Dr. Culberson:

At the suggestion of Dr. Peter H. Raven, I am sending you the enclosed manuscript for possible publication in Brittonia. I hope that everything is in order.

Very sincerely,

Robert M. King

Robert M. King
Department of Botany

July 24, 1974

V. H. Heywood
Department of Botany
Plant Science Laboratories
The University of Reading
Whiteknights
Reading RG62AS, England

Dear Professor Heywood:

I wish to thank you for the invitation to participate in the forthcoming Symposium of the Biology and Chemistry of the Compositae. I would be very glad to participate, but I would indicate that the work in the Eupatorieae has been a joint effort for the last ten years with Professor Robert M. King and that an invitation should also be extended to him. In view of my working agreements with Professor King, it is essential that he also receive an invitation. The paper should, however, be listed as myself the senior author.

Sincerely,

Harold Robinson
Department of Botany

cc. Professor Robert M. King
Department of Botany
Smithsonian Institution
Washington, D. C. 20560

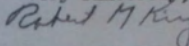
August 6, 1974

Dr. V. H. Heywood
Department of Botany
Plant Science Laboratories
The University of Reading
Whiteknights
Reading RG 62 AS, ENGLAND

Dear Dr. Heywood:

I would like to thank you for the invitation to participate in the Symposium of the Biology and Chemistry of the Compositae. I will be very glad to participate along with Harold Robinson.

Very sincerely,



Robert M. King
Department of Botany

NYBG

The New York Botanical Garden

Bronx, New York 10458

(212) 220 8700

24 August 1976

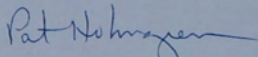
Dr. Robert M. King
Department of Botany
Smithsonian Institution
Washington, D.C. 20560

Dear Dr. King:

Many thanks for sending a set of your
Ecuador and Costa Rica Compositae to the Garden.
We are pleased to add this material to the NY
herbarium.

We have credited the specimens to the Missouri
Botanical Garden as exchange.

Sincerely,



Patricia K. Holmgren
Head Curator

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PKH/amk



UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
NORTHEASTERN REGION
AGRICULTURAL RESEARCH CENTER
BELTSVILLE, MARYLAND 20705

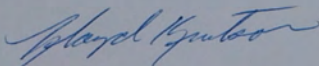
September 23, 1976

Subject: Insect Identification

To: R. M. King, c/o Department of Botany
National Museum of Natural History
Smithsonian Institution, Washington, D. C.

The enclosed list of identifications is a second partial report on the material submitted in May 1976. A first partial report on this material was made with our memorandum of August 20, 1976. As additional identifications become available, we will report again.

The specimens, except as noted, are returned herewith.



Lloyd Knutson, Chairman
Insect Identification and Beneficial
Insect Introduction Institute

Enclosures

IDENTIFICATIONS

ACARINA

Parasitidae

6710 - *Parasitus* n. sp.

2 deutonymphs kept

The genus is rich in species (mostly undescribed)

and cosmopolitan; all appear to be predators. The

deutonymphs commonly are phoretic on various insects.

Determined by Dr. Donald E. Johnston, Ohio State University

ARANEIDA

Anyphaenidae

6503 - *Anyphaena* sp.

1 immature

Araneidae

6507 - *Meta* sp.

1?

Thomisidae

6507 - *Misumeninae*, genus not known

1 immature

Araneidae

6507 - *Neosconella* c. f. *habilis* O. P. Cambridge 1♂, 1? kept

Theridiidae

6536 - *Theridion* sp. "A"

1?

Thomisidae

6529 - *Misumenops* sp.

1 immature

*6529 - *Anyphaenidae* sp. (*Not *Thomisidae*)

1 immature

6541 - *Misumenops* sp.

3 immatures

6551 - *Misumeninae*, genus unknown

1 immature 222.

6552 - *Misumeninae*, genus unknown

1 immature

6554 - *Misumeninae*, genus unknown

1 immature

6560 - *Misumeninae*, genus unknown

1 immature

Anyphaenidae

6561 - spec. desiccated

1 immature

Theridiidae

6564 - *Theridion* sp. prob. "A"

1 immature

Thomisidae

6564 - *Misumenops* sp.

1 immature

Salticidae

6564 - c.f. *Sidusa* sp.

1 immature

Araneidae

6566 - *Araneus* sp.

1 immature

6600 - *Araneus* sp.

1 immature

Theridiidae

6608 - *Theridion* sp., prob. sp "A"

1♂ kept

Thomisidae

6613 - *Misumenops* sp.

1?

Anyphaenidae

6616 - *Gayenna* sp.

1 penult.♂

6626 - *Anyphaena* sp.

1 immature

Thomisidae

6639 - c.f. *Tmarus* sp.

1 immature

Linyphiidae

6641 - *Linyphia* sp.

1 immature

Anyphaenidae

6647 - *Anyphaena* sp.

1 immature

Araneidae

6663 - *Araneus* sp.

1 penult.♂

ARANEIDA (Cont'd)

Thomisidae	
6665 - Misumenops sp.	2♂, 1♀, 1 immature kept
Anyphaenidae	
6665 - Gayenna sp.	1 immature
6680 - Aysha sp.	1 penult. ♂
6680 - Anyphaena sp.	1 immature
Theridiidae	
6680 - Theridion sp.	1 immature
Thomisidae	
6682 - c.f. Thomisus sp.	1 immature
Salticidae	
6686 - Sidusa sp.	1♂, 1♀, 2 immatures kept
Anaphaenidae	
6697 - Gayenna sp.	1 immature
Linyphiidae	
6697 - Linyphia sp.	1 immature
Araneidae	
6697 - Araneus sp.	2 immatures
Anyphaenidae	
6710 - Gayenna sp.	1 immature
6710 - Anyphaena sp.	1 immature
Thomisidae	
6715 - c.f. Sidyma sp.	1 penult ♀ kept

Determined by Dr. W. B. Peck, Cooperating Scientist, SEL
Central Missouri State College
Warrensburg, Missouri

76 4572

March 7, 1977

Subject: Insect Identification

To: R. M. King, c/o Department of Botany
National Museum of Natural History
Smithsonian Institution, Washington, D. C.

The enclosed list of identifications represents a **final** report on the material you submitted in May 1976. Previous reports were made on this lot with my letters dated August 20, September 23, 1976; and January 19, 1977. These identifications have been provided by research scientists of our Systematic

Entomology Laboratory, IIBIII.

Digitized by Hunt Institute for Botanical Documentation

Lloyd Knutson, Chairman
Insect Identification and Beneficial
Insect Introduction Institute

Enclosure

ARS:IIBIII:ph:3/4/77

IDENTIFICATIONS

DIPTERA

Anthomyiidae	
6620, 6505 - Hylemya sp.	2 kept
Sepsidae	
6682 - Palaeosepsis sp.	1 kept
Sphaeroceridae	
6682 - Leptocera sp.	1 kept
6515 - Leptocera sp.	1 kept
6554 - Leptocera sp.	2 kept
Determined by G. Steyskal	
Tephritidae	
6621 - Urophora sp.	1 kept
6709 - Urophora sp.	1 kept
6515 - Euaresta sp.	3 kept
6621 - Euaresta sp.	3 kept
Determined by R. H. Foote	

HEMIPTERA-HETEROPTERA

Lygaeidae	
6572 - Heraeus sp.	2 kept
Phymatidae	
6572 - Phymata sp.	2 kept
Pentatomidae	
6541 - Podisus sp.	2 kept
6575 - Unidentified nymph	1 kept
Anthocoridae	
6522, 6536, 6610 - Orius sp.	4 kept
Coreidae	
6551 - Althos obscurator (Fabr.)	8 kept
Miridae	
6682, 6561, 6608, 6578 - Lygus spp.	5 kept
6610 - Rhinacloa sp.	1 kept
6536 - Falconia sp.	1 kept
6517, 6529, 6504 - Phytocoris sp.	4 kept

Vials: (in addition to those incorporated with above ident.)

Miridae	
6608 - Undetermined	3 nymphs
6503 - "	1 nymph
6595 - "	1 nymph
6536 - "	1 nymph
6610 - "	1 nymph
6506 - "	8 nymphs
6682 - "	3 nymphs

above 18 nymphs discarded

Determined by Jon L. Herring

January 19, 1977

Subject: Insect Identification

To: R. M. King, c/o Department of Botany
National Museum of Natural History
Smithsonian Institution, Washington, D. C.

The enclosed list of identifications represents a third partial report on the material you submitted in May 1976. Previous reports were made on this lot with my letters dated August 20 and September 23, 1976. These identifications have been provided by research scientists of our Systematic Entomology Laboratory. As additional determinations become available, we will report again.

Digitized by Hunt Institute for Botanical Documentation

Lloyd Knutson, Chairman
Insect Identification and Beneficial
Insect Introduction Institute

ARS:IIBIII:ph:1:19/77

IDENTIFICATIONS

COLEOPTERA

Orthoperidae

6697 - Genus ?

6 kept

Determined by R. D. Gordon

Lathridiidae

6514 - Aridius sp.

1 kept

Dermestidae

6572 - Cryptorhopalum sp.

1 "

Lathridiidae

6647, 6697, 6610, 6686 - Corticaria sp.

8 "

Cryptophagidae

6686- Toramus sp.

2 "

Melyridae

6654, 6715 - Dasys sp.

5 (6654 - 2, 6715- 3)

Determined by J. M. Kingsolver

Ksxl

Curculionidae

6572 - Compsus sp.

1 "

6560 - near Madarus

3 "

6673 - near Phyllotrox

1 "

6572 - Phyllotrox sp.

3 "

6517 - Apion sp.

1 "

6566 - Phyllotrox sp.

4 "

6697 - Phyllotrox sp.

2 "

6639 - Phyllotrox sp.

1 "

6686 - Centrinaspis sp.

3 "

6541 - Baris sp.

1 "

6504 - Phyllotrox sp.

1 "

6567 - Baridinae: Genus ?

1 "

6566 - near Phyllotrox

2 "

6573 - Baridinae: Genus ?

2 "

6575, 6572 - Baridinae: Genus ?

2 "

Determined by D. R. Whitehead

HYMENOPTERA

Apidae

6682 - Apis mellifera L.

1 worker Ksxl

6539 - Bombus funebris Sm.

1 ♂

6682 - Bombus kohli (Ckll.)

1 worker

Determined by S. W. T. Batra

76 4512

September 23, 1976

Subject: Insect Identification

To: R. M. King, c/o Department of Botany
National Museum of Natural History
Smithsonian Institution, Washington, D. C.

The enclosed list of identifications is a second partial report on the material submitted in May 1976. A first partial report on this material was made with our memorandum of August 20, 1976. As additional identifications become available, we will report again.

The specimens, except as noted, were returned herewith.

Lloyd Knutson, Chairman
Insect Identification and Beneficial
Insect Introduction Institute

Enclosures

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LIBIII:emb-ph

IDENTIFICATIONS

ACARINA

Parasitidae

6710 - *Parasitus* n. sp.

2 deutonympha kept

The genus is rich in species (mostly undescribed)

and cosmopolitan; all appear to be predators. The

deutonymphs commonly are phoretic on various insects.

Determined by Dr. Donald E. Johnston, Ohio State University

ARANEIDA

Anyphaenidae

6503 - *Anyphaena* sp.

1 immature

Araneidae

6507 - *Meta* sp.

1♀

Thomisidae

6507 - *Misumeninae*, genus not known

1 immature

Araneidae

6507 - *Neosconella* c. f. *habilis* O. P. Cambridge

1♂, 1♀ kept

Theridiidae

6536 - *Theridion* sp. "A"

1♀

Thomisidae

6529 - *Misumenops* sp.

1 immature

★ 6529 - *Anyphaenidae* sp. (★ not *Thomisidae*)

1 immature

6541 - *Misumenops* sp.

3 immatures

6551 - *Misumeninae*, genus unknown

1 immature *ibid.*

6552 - *Misumeninae*, genus unknown

1 immature

6554 - *Misumeninae*, genus unknown

1 immature

6600 - *Misumeninae*, genus unknown

1 immature

Anyphaenidae

6561 - spec. desiccated

1 immature

Theridiidae

6564 - *Theridion* sp. prob. "A"

1 immature

Thomisidae

6564 - *Misumenops* sp.

1 immature

Salticidae

6564 - c.f. *Sidusa* sp.

1 immature

Araneidae

6566 - *Araneus* sp.

1 immature

6600 - *Araneus* sp.

1 immature

Theridiidae

6608 - *Theridion* sp., prob. sp. "A"

1♂ kept

Thomisidae

6613 - *Misumenops* sp.

1♀

Anyphaenidae

6616 - *Gayenna* sp.

1 penult ♂

6626 - *Anyphaena* sp.

1 immature

Thomisidae

6639 - c.f. *Tmarus* sp.

1 immature

Linyphiidae

6641 - *Linyphia* sp.

1 immature

Anyphaenidae

6647 - *Anyphaena* sp.

1 immature

Araneidae

6663 - *Araneus* sp.

1 penult ♂

ARANEIDA(Cont'd)

Thomisidae	
6665 - Misumenops sp.	2♂, 1♀, 1 immature kept
Anyphaenidae	
6665 - Gayenna sp.	1 immature
6680 - Aysha sp.	1 penult ♂
6680 - Anyphaena sp.	1 immature
Theridiidae	
6680 - Theridion sp.	1 immature
Thomisidae	
6682 - c.f. Thomisus sp.	1 immature
Salticidae	
6686 - Sidusa sp.	1♂, 1♀, 2 immatures kept
Anaphaenidae	
6697 - Gayenna sp.	1 immature
Linyphiidae	
6697 - Linyphia sp.	1 immature
Araneidae	
6697 - Araneus sp.	2 immatures
Anyphaenidae	
6710 - Gayenna sp.	1 immature
6710 - Anyphaena sp.	1 immature
Thomisidae	
6715 - c.f. Sidyma sp.	1 penult ? kept

Determined by Dr. W. B. Peck, Cooperating Scientist, SEL
Central Missouri State College
Warrensburg, Missouri

August 20, 1976

Subject: Insect Identification

To: Dr. R. M. King, C/O Department of Botany
Museum of Natural History
Smithsonian Institute, Washington, D. C.

The enclosed list of identifications is a partial report on the material submitted in May 1976.

These identifications have been provided by our research scientists of the Systematic Entomology Laboratory, IIBIII, unless otherwise stated. As additional determinations become available, we will report again.

Lloyd Knutson, Chairman
Insect Identification and Beneficial
Insect Introduction Institute

Enclosure

cc: Gary Hevel

ARS:IIBIII:EMHoover:lhb: 8/20/76

COLEOPTERA

	Elateridae	
6631	Agriotes sp.	1
6639	Genus near Eanus	1
	Determined by T. J. Spilman	
	Chrysomelidae	
6686	Omphoita sp., not in USNM	4
6691	" " " "	
6679	Genus nr. Euphytrus	1
6609	Diabrotica sp., nr. quidecimpunctata Germar	1
6715	near Diabrotica	1
6686	Diabrotica sp., nr. lebasii Baly	2
6642	Diabrotica sp., not in USNM	3
6552	Nodonota sp.	1
6567	Genus near Nodonota	3
6568	" " "	
6682	Chaetocnema sp.	1
6681	Strabala or nr.	1
6680	probably Altica sp.	1
6682	Chaetocnema sp.	1
6504, 6697,	Trichaltica sp.	6
6554, 6541,	" " "	
6517, 6505	" " "	
	Determined by R. E. White	

DIPTERA

	Cecidomyiidae	
6610	Contarinia sp.	1
	Mycetophilidae	
6682	Mycomys sp.	1
6679	Leis sp.	1
	Sciaridae	
6503	Genus sp. ?	1
6681	Genus sp. ?	2
6735	Genus sp. ?	1
6679	Genus sp. ?	1
6610	Genus sp. ?	1
6605	Rhynchosciara sp.	1
	Muscidae	
6735	Coenosia sp.	1
6621	" "	2
6505	Fannia sp.	2
6729	Helina sp.	1
	Sarcophagidae	
6508	Andinoravinia rufipes Townsend	1
6608	" " " "	1
6505	" " " "	2
6616	" " " "	1
6679	" " " "	1
	Determined by R. J. Gagné	

DIPTERA

	Empididae	
6515	<i>Drapetis</i> sp. Determined by L. Knutson	3
	Tachinidae	
6511	<i>Microphthalma</i> sp.	1
6517	<i>Ptilodexia</i> sp.	1
6682	<i>Archytas</i> sp.	1
	Chloropidae	
6621	<i>Hippelates australis</i> Fabr.	2
6504	<i>Hippelates sequatorialis</i> Beck.	1
6505	" " " "	2
6639	<i>Hippelates selectus</i> Beck.	1
6500	<i>Hippelates</i> sp.	1
6682	<i>Elachiptera</i> (<i>Melanochaeta</i>) sp.	1
6616	<i>Conioscinella</i> sp.	1
6511	<i>Oscinella</i> sp.	2
6616	" "	
6682	<i>Oscinella</i> sp.	1
	Anthomyzidae	
6682	<i>Mimetopia</i> n. sp. Determined by C. W. Sabrosky	1
	Lauxaniidae	
6682	<i>Camptoprosopella</i> sp.	2
	Heleomyzidae	
6595	<i>Prosopentrum</i> n. sp. Determined by G. Steyskal	1
	Dolichopodidae	
6545	<i>Sciapus</i> sp.	1 ♂
6682	Genus sp. ?	1 ♀
6505	Genus sp. ? Determined by F. C. Thompson	1 ♀
	Syrphidae	
6507	<i>Eristalis bogotensis</i> Macquart	1 ♀
6621	<i>Carpocallis</i> sp.	1 ♂
6729	<i>Tuberculanostoma</i> sp.	1 ♀
6568	<i>Toxomerus</i> sp. Determined by F. C. Thompson	1 ♀
	Phoridae	
6735	<i>Megaselia</i> sp.	1
6511	<i>Drosophila</i> spp.	20
6709, 6517,	" " "	
6522, 6679,	" " "	
6594, 6532,	" " "	
6729, 6508,	" " "	
6509, 6620,	" " "	
6680, 6507,	" " "	
6621, 6509	<i>Scaptomyza</i> sp. Determined by W. W. Wirth	1

DIPTERA

	Cerstopogonidae	
6500	Atrichopogon sp.	2
6511	Forcipomyia sp.	3
6735	" " "	
	Chironomidae	
6681	Gen. & spp.?	1
6500	" "	2
6511, 6532,	" "	13
6680, 6735,	" "	
6564, 6503,	" "	
6508, 6681,	" "	
6729, 6620	" "	

Determined by W. W. Wirth

HEMIPTERA-HOMOPTERA

	Cicadellidae	
Vial 6680	Sp. of Cicadellini	1 nymph
6663	Tettigella crasse (Walker)	1
6541	Amblyscarta latercula (Breddin)	1
6515	Empoasca sp.	1 ♀, 1 nymph
6642	Empoasca sp.	2 ♀♀
6514	Empoasca sp.	3 ♀♀ damaged
6679	Agalliopsis sp.	1 nymph
6639	Gypona sp.	1 ♀
6507	Graminella sp.	1 ♀
6500	Paratenus sp.	1 ♀
6735	Yungasia sp.	1
	Delphacidae	
6504	Delphacodes sp.	1
	Membracidae	
6697	Polyglypta sp.	1
6561	Cyphonia sp.	1
6691	Micrutalis sp.	1
6514	Genus, sp. ?	1 nymph
	Cercopidae	
6715	Tomaspis sp.	1
6642	Tomaspis sp.	1
	Determined by J. P. Kramer	

HYMENOPTERA

	Ichneumonidae	
6505	Leipaulus sp.	1 ♀, 2 ♂
6515, 6609	" "	
	Determined by R. W. Carlson	
	Platygastridae	
6735, 6511	Proplatygaster spp.	2
6609, 6517	Synopess sp.	16
6503, 6504,	" "	
6509, 6697,	" "	
6710	" "	
6517	Platygaster sp.	1
	Determined by P. M. Marsh	

HYMENOPTERA

	Scelionidae	
6575,6682	Telenomus spp.	2
6545	unknown genus	1
	Diapriidae	
6567	Trichopria sp.	1
	Braconidae	
6681	Bracon sp.	1
6616,6609,	Dapsilarthra sp.	3
6715	" " "	

Determined by P. M. Marsh

	Cynipidae	
6729	Alloxysta (=Charips) sp.	1
6715	Genus sp. ?	3
6508,6680	Genus in Eucocillinae	
6517	Genus sp. ?	1
6681	Alloxysta (=Charips) sp.	1
6511	Genus in Eucocillinae	1
	Determined by A. S. Menke	

	Formicidae	
6684	Odontomachus sp.	1 ♀
6575	Camponotus sp.] same species	1 worker
6572	Camponotus sp.] same species	1 worker
	Determined by D. R. Smith	

NEUROPTERA

	Hemerobidae	
6538	Genus ?	2 larvae
	Determined by O. S. Flint, USNM	

COLEOPTERA

	Staphylinidae	
6631,6515	No taxonomist available	4 returned
6515,6647	" " " "	

ORTHOPTERA

	Tridactylidae	
6511	No taxonomist available	1 returned
6686	Vial broken when received, specimen not found	
6564	Specimen missing from point, date-pin returned	

ACARINA

Erythraeidae

#6500	Leptus sp.	kept
6610	Belaustium sp.	kept
6697	No specimens found	
	Determined by E. W. Baker	

COLEOPTERA

Nitidulidae

#6715	Cnips sp.	1
6554	Conotelus mexicanus Murr.	1
6566	Conotelus mexicanus Murr.	2
6686	Conotelus mexicanus Murr.	1
6691	Conotelus mexicanus Murr.	1
6551	Conotelus sp.	2
	Determined by W. A. Connell, Cooperating Scientist, SEL	
	Beneficial Insect Research Laboratory, Newark, Delaware	

Rhizophagidae

6647	Hesperobaenus sp.	1
	Determined by J. M. Kingsolver	

Coccinellidae

#?	Scymnus (Pullus) sp.	4
	Determined by R. D. Gordon	
	Note: Incorporated into the National Museum	
	Collection before numbers were given, and is	
	now unable to find them.	

DIPTERA

Tipulidae

6503	Molophilus sp.	1 ♀
6557	Limonia (Geranomyia) sp.	1 ♀
6679	Limonia (Dicranomyia) sp.	1 ♂
	Determined by G. W. Byers, Cooperating Scientist, SEL	
	University of Kansas, Lawrence, Kansas	

HEMIPTERA-HOMOPTERA

Aphididae

6500	Myzus ornatus Laing	1
6501	Myzus ornatus Laing	1
6522	Masonaphis sp., near goldemaryne Knowlton	1
6529	Myzus ornatus Laing	2
6575	Aphis sp.	3
6595	Capitophorus sp.	1
6641	Myzus ornatus Laing	2
	Brachycaudus helichrysi (Kltb.)	2
6647	Aphis sp.	1
	Brachycaudus helichrysi (Kltb.)	4
6709	Brachycaudus helichrysi (Kltb.)	6
6710	Brachycaudus helichrysi (Kltb.)	2
6729	Aphis sp.	2
	Myzus ornatus Laing	2
6511	Macrosiphum sp.	1 nymph
	Determined by M. B. Stoetzel	

HEMIPTERA-HOMOPTERA

	Psyllidae	
#6504	Trioxa sp.	1
6505	Trioxa sp.	1
6511	Trioxa sp.	1
6639	Trioxa sp.	4
6735	Trioxa sp.	1
	Determined by M. B. Stoetzel	

HYMENOPTERA

(Plant)	Eulophidae	
Gynoxys halli	Tetrastichus sp.	1
	Eurytomidae	
Chromolaena laevigata	Eurytoma sp.	1
	Eulophidae	
Viguiera incana	Tetrastichus sp.	1
Viguiera baccharoides	Tetrastichus sp.	2
Verbena sp.	Tetrastichus sp.	1
	Pteromalidae	
Zaluzania sodiroi	Sphegigasterini sp. 1	1
Monactis hexantha	Sphegigasterini sp. 2	1
	Eulophidae	
Monactis hexantha	Tetrastichus sp.	2
	Encyrtidae	
Baccharis latifolia	Encyrtinae ? Genus	3
Veronia baccharoides	Specimen missing from pin	1
	Determined by G. Gordh	
	Note: Dr. Gordh also neglected to furnish the plant numbers, but listed the plant instead.	

THYSANOPTERA

	Phlaeothripidae	
6500	Idolothripinae	1 ♂
	(This subfamily feeds on fungus spores.)	
	Thripidae	
6503	Frankliniella sp. #1	4 ♀
6504	Frankliniella sp. #1	3 ♀
6528	Frankliniella sp. #2	1 ♀
6534	Frankliniella sp. #3	2 ♀
6560	Frankliniella sp. may be #1	1 ♀ (broken)
6566	Frankliniella sp., related to #1, but not the same	2 ♀
6578	Frankliniella sp., near #1	1 ♀
	Frankliniella sp., near #2 & #3 but not the same as either	2 ♀
6594	Frankliniella sp. #4	4 ♀
6595	Frankliniella sp. #4	2 ♀
	Frankliniella sp. near #1	2 ♀
6596	Frankliniella sp. near #1	1 ♀
6600	Frankliniella sp. same as above	1 ♀
	Determined by K. O'Neill	
6609	Frankliniella sp. #5	1 ♀

THYSANOPTERA (Continued)

Thripidae

6610	Frankliniella sp. near #1 & #4	1 ♀ each
6647	Frankliniella sp. near #3	1 ♀
6665	Frankliniella spp. near #4 & #3	1 ♀ each
6710	Frankliniella sp. near #3	1 ♀
6715	Frankliniella spp. near #4 & #3	2 ♀, 1 ♀
6729	Frankliniella sp. near #1	2 ♀

Note: Specimens kept too long in preservative
for best condition.

Determined by K. O'Neill

COLLEMBOLA

Entomobryidae

6689	Entomobrya nivalis Linn.	1
6686	Entomobrya portifasciata Denis	1
	Drepanocyrtus sp.	1
6575	Entomobrya sp.	1
6500	Entomobrya atrocincta Schott	1
6554	Lepidocyrtus usitatus Folsom	3
6641	Entomobrya sp.	1
6564	Lepidocyrtus usitatus Folsom	3
	Sminthuridae	
6528	Bourletiella hortensis Fitch	4
	Determined by D. L. Wray, Cooperating Scientist, SEL Raleigh, North Carolina	

MEMO ROUTING SLIP

TO THE FOLLOWING IN ORDER INDICATED

	Name or Title	Organization	Room No.	Initial	Date
1.	Edna Hoover, ARS.	Beltsville			
2.		Rm. 11 Bld. 803			
3.					
4.	Two of Two	Pls.			
5.					

PURPOSE OF ROUTING

Prepare Reply for Signature of	Supply Information on Which to Base Reply
	Comment
Necessary Action	Information
Initial for Clearance	See Me
Signature	Investigate
Approval	Note and Return
As Requested	Per Conversation

REMARKS These are the specimens
 I talked with you about
 over the phone. They
 have already been accessioned
 and can be added to the
 collection when the
 specialist finish identification.
 Identification requested by
 Dr. R. M. King down to
 family and genus if possible.

FROM	DATE
Bird House (over)	may 10, 76
	PHONE

please send results
directly to Dr. ^{R.M.} King
~~in person~~

c/o Dept. of Botany
Museum of Natural
Smithsonian History

There are 5 Schmidt
boxes and 1 crabbed
box ~~with~~ of vials.

DIPTERA -	124
COLEOPTERA -	95
HYMENOPTERA -	55
HOMOPTERA -	24 + 36 Aphids = 60
HEMiptERA -	50
ORTHOPTERA -	1
THYSANOPTERA -	44
Collembola -	21
NEUROPTERA -	2
ARACHNIDA	
Spiders -	51
Ticks -	2
Mites -	2

TOTAL 506

CURRICULUM VITAE

NAME: James A. Lackey

PERSONAL DATA:

Born: 29 May 1948. Kamloops, B. C., Canada
U. S. Citizenship, 11 April 1958, Los Angeles, CA

Address: Department of Botany
NHB, Stop 166
Smithsonian Institution
Washington, D. C. 20560
202-381-5814

Marital status: single

Height: 5' 10"

Weight: 155 lbs.

Health: excellent

EDUCATION:

A.B. with honors, Botany, California State University, Humboldt, 1971

Ph.D., Botany (Taxonomy), Iowa State University, 1976. Dissertation
title: A synopsis of Phaseoleae (Leguminosae, Papilionoideae).

PROFESSIONAL POSITIONS:

Greenhouse assistant, California State University, Humboldt, 1968-1970

Graduate teaching assistant, California State University, Humboldt,
1970-1971 (plant taxonomy classes)

Graduate teaching assistant, Iowa State University, 1971-1973
(plant taxonomy, general botany, and weed identification classes)

Graduate research assistant, Iowa State University, 1973-Dec 1976
(Botany and Agronomy departments)

Assistant Professor, Biology Department, C. W. Post College,
Greenvale, NY 77548, January 1977 to May 1977 (taught general botany
classes)

Postdoctoral Fellow, Department of Botany, Smithsonian Institution,
Washington, DC 20560, June 1977 to June 1978 (research towards
a generic revision of American Phaseolinae (Leguminosae,
Papilionoideae) under supervision of Richard Cowan)

Assistant Professor, Department of Botany, George Mason University,
Fairfax, VA 22030, September 1978 to June 1979 (taught general
biology courses during a one year vacancy in permanent faculty)

FIELD AND HERBARIUM WORK:

Herbarium studies: Royal Botanic Gardens, Kew, England (5 months);
U. S. National Herbarium, Washington, D.C. (23 months); Chicago

Natural History Museum (1-2 weeks); The Missouri Botanical Garden, St. Louis (few weeks); The New York Botanical Garden (6 months); Harvard University (1 week); Botanical Institute, Aarhus, Denmark (1 week); and short visits at other herbaria: Royal Botanic Gardens, Edinburgh, Scotland; Agricultural University, Wageningen, The Netherlands; State Botanical Collections, Munich; University of Texas, Austin; University of California, Berkeley; Iowa State University, Ames; and California State University, Humboldt.

Field Work: Northern and Southern California, Louisiana, Mississippi, Texas.

CONTRACTS AND GRANTS

Society of Sigma Xi, 1975, grant-in-aid of research to study specimens of Asiatic Phaseolinae at U. S. National Museum, New York Botanical Garden and Harvard University.

Iowa Agriculture and Home Economics Experiment Station and Iowa Soybean Improvement Foundation, 1974-1976, grants to study wild Asiatic relatives of the soybean at Iowa State University, University of Illinois (3 months) and Royal Botanic Gardens at Kew (4 months).

U. S. Department of Agriculture, July 1978 to present, contract to furnish computer compatible data on all names in Phaseolus and allied genera.

PUBLICATIONS:

Lackey, J. A., D. Isely and R. G. Palmer. 1974. Distribution of canavanine in the genus Glycine and related genera. Soybean Genetics Newsletter 1: 30-32.

Lackey, J. A. 1977. A revised classification of the tribe Phaseoleae (Leguminosae, Papilionoideae), and its relation to canavanine distribution. Bot. J. Linn. Soc. 74(2), 163-178.

Lackey, J. A. 1977. Neonotonia, A new generic name to include Glycine wightii (Arnott) Verdcourt (Leguminosae, Papilionoideae). Phytologia 37: 209-212.

Lackey, J. A. 1978. New combinations in Kerstingiella Harms (Leguminosae: Papilionoideae). Phytologia 38: 229.

Lackey, J. A. 1978. Leaflet anatomy of Phaseoleae (Leguminosae: Papilionoideae) and its relation to taxonomy. Bot. Gaz. 139: 436-446.

Lackey, J. A. 1978. (460) Proposal to conserve the generic name 3864 Glycine Willdenow over Soia Moench. Taxon 27: 560.

Bell, E. A., Lackey, J. A. and R. M. Polhill. 1978. Systematic significance of canavanine in the Papilionoideae (Fabaceae). *Biochem. Syst. and Ecology* 6: 201-212.

Lackey, J. A. 1979. Sketches of flower dissections in Phaseoleae (Fabaceae, Faboideae). *Iselya* 1: 19-53.

Lackey, J. A. 1979. A chromosome atlas of the Phaseoleae (Fabaceae, Faboideae). *Iselya* 1: 87-114.

Lackey, J. A. 1979. Leaflet hairs of Adenodolichos (Leguminosae-Papilionoideae). *Iselya* 1: 81-86.

Lackey, J. A. 1980. Tribe Phaseoleae. in R. M. Polhill, ed. *Advances in legume systematics, proceedings of the international legume conference at Kew, England, 1978*. Her Majesty's Stationery Office, London. (in press, ca. 30 pages).

Lackey, J. A. 1980. Chromosome numbers in the Phaseoleae (Fabaceae: Faboideae) and their relation to taxonomy. *Amer. J. Bot.* 66: (in press, ca. 15 pages).

D'Arcy, W. G., and J. A. Lackey. 1980. Flora of Panama, Leguminosae-Phaseoleae. *Ann. Mo. Bot. Garden* 67: (in press).

Lackey, J. A. 1980. A review of generic concepts in American Phaseolinae (Fabaceae, Faboideae). Submitted to *Systematic Botany*, ca. 40 pages.

COURSE WORK

BOTANY	hours			BIOLOGY	hours		
	grade	sem.	qtr.		grade	sem.	qtr.
General Botany	A	10		Genetics	A		4
Phycology	A		4	Cytogenetics	B		2
Mycology	B		4	Spec. Top. Cytogenetics	A		21
Bryology	A		4	Ecology	B		3
Vasc. Pl. Taxonomy	A		5	Zoology	A/B		10
Advanced Pl. Taxonomy	A		3				
Biosystematics	A		5				
Agrostology	B		4	PHYSICAL SCIENCES			
Vasc. Pl. Morphology	A		4				
Vasc. Pl. Anatomy	A		4	College Algebra	B	3	
Research in Taxonomy	A/S		36	Calculus	A		15
Research in Morphology	A		4	Physics	A	8	
Aquatic Plants	A		4	Freshman Chemistry	A	10	
Phytogeography	A		4	Organic Chemistry	A/B		10
Plant Physiology	B		5	Biochemistry	B		5
Plant-Soil-Water relat.	B		3	Biophysical Chemistry	S		3
Autecology	B		3	Computer programming	B		3
Seminar-Crops	A		1	Statistics for Research	A		4

In addition to the above listed specific courses, many hours of special problems/ research were taken for dissertation work. The usual assortment of general education courses for undergraduate students was completed for my A.B. degree at California State University, Humboldt. Language requirements were met by 23 quarter hours of German and 8 of Latin.

Fleischmannia imitans

$n = 30$

King 7379 (greenhouse progeny)
Guatemala

Lott & Went 169 - Ageratina

Amp doesn't get know what
to call 68 & 171



DEPARTMENT OF BIOLOGY
A/C 915 837-3461 Ext. 241



SUL ROSS STATE UNIVERSITY
ALPINE, TEXAS 79830



26 Oct 1978

Dear Bob:

Enclosed is a card showing
one additional count—this one
grown from seed in the greenhouse.
Isocarpha's starting to flower but
it is cold outside. Our greenhouse
has not been "winterized" yet.

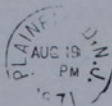
Best regards,
Mike



Dr. R. M. King

Department of Botany
United States National Museum
Smithsonian Institution

Washington, D. C. 20560



Dr. R. M. King,

U. S. National Museum
Smithsonian Institution

Washington, D. C. 20560

June 28, 1972

Dear Dr. King:

I have shipped to you today a box and a large envelope. In the latter are the typescript pages and plates for Your papers, Robinson's, Velva's, Hale's, and Cuatrecasas'. Would you please distribute them? In the box are the extra copies which to save postage I am sending all to you. Please distribute them as follows: Rudd gets 7 copies, Hale gets 20, Cuatrecasas gets 54, Robinson gets 10, while you and Robinson share the other 27.

Publication was delayed because my wife and I have been in California for the past two weeks.

With all best wishes, as ever,

Harold N. Moldenke

Aug. 18, 1971

Dear Friend,

Your papers are being shipped to printer tomorrow morning.

You may want the pages:

Disynaphioid Complex, 22: 109--110

Acanthostyles, 22: 111--112

Raulinoreitzia, 22: 113--114

Symphypappus, 22: 115--117

Dimorpholepis, 22: 118--120

Campovassouria, 22: 121--122

Disynaphia, 22: 123--125

Best wishes,

H.N.M.

HAROLD N. MOLDENKE
303 PARKSIDE ROAD
PLAINFIELD, NEW JERSEY

July 29, 1974
5432 Connecticut Ave. NW.
Washington, D. C. 20015

Mr. Richard M. Nixon
President of the United States
The White House
Washington, D.C. 20500

Dear Mr. President:

I am writing to you today to express my complete support in you and your Presidency. The articles of impeachment as written by the House Judiciary Committee certainly do not constitute the high crimes and misdemeanors as required by the Constitution.

I would suggest that you request that the Supreme Court rule or spell out exactly what is a high crime or misdemeanor.

Very sincerely,

Robert M. King

cc. Mr. James St. Clair

5432 Connecticut Ave. NW.
Washington, D.C. 20015
November 3, 1973

Mr. Richard M. Nixon
President of the United States
The White House
Washington, D.C.

Dear Mr. President:

I am writing to you to express my complete support for you and your presidency. Everyday I am angered by the totally unfair attacks made upon you by the media especially television.

I am sure that you are not a Saint, but then who is? History, I am sure will judge you to have been the greatest President of this century.

Please be assured that you have many very loyal supporters.

Very sincerely,

Robert M. King

July 1, 1974

Dr. Peter H. Raven, Director
Missouri Botanical Garden
St. Louis, Missouri
63110

Dear Peter,

Thanks for your letter. Enclosed is the entire typescript for your reference. I am going to revise it as you suggested but will not be needing it back for about a month.

Incidentally, I have ca. 400 photographs of flowers in other plant families that might interest you. I thought I might write a paper on them someday if I ever get the time.

Enclosed also is a mailing frank for use in returning the ms.

Very sincerely,

Robert M. King
Department of Botany

Missouri
Botanical
Garden



31 July 1974

Dr. Robert M. King
Department of Botany
Smithsonian Institution
Washington, D. C. 20560

Dear Bob:

I enjoyed our telephone conversation the other day and I'd be grateful if you could collect some material of Centaurea nigrescens as we discussed. All that's needed would be to cut off the definitely reflective portions--be very conservative so as not to include any of the non-reflective portions--of the heads and drop them in one box, letting them air dry; and then cut off the rest of the cone portions of the heads and drop them in a second box, letting them air dry, too. These two samples merely need to be dried out and then sent to me separately in an envelope; we could see then what we would find.

Chicory is in good bloom here, and we will collect samples and try them too. Quite likely the same chemicals would be involved. It would be nice if we could get somewhere on this this summer, and I will keep you closely posted as to results.

With all good wishes, I am

Cordially,

Peter H. Raven
Director

PHR/gjo

Missouri
Botanical
Garden



August 15, 1974

Dr. William Dement
Department of Biological Sciences
Stanford University
Stanford, California 94305

Dear Bill:

Enclosed is some material of Compositae collected by Bob King. He has good ultraviolet reflective/nonreflective patterns in these flowers, and it will be interesting to see if you find any chemical differences. I hope they might be more clearcut than those you found in Cichorium, and I also wonder whether you ever secured any material of Linum lewisii to look at. At any event, this material should be of interest, and I am glad Bob has collected it. Let me know what you find!

Waiting for the final returns on Onagraceae and we will get those articles out shortly.

With all good wishes,

Cordially,

Peter H. Raven
Director

PHR:fg
Attachments

cc: Dr. Robert M. King

Missouri
Botanical
Garden



August 15, 1974

Dr. Robert M. King
Department of Botany
Smithsonian Institution
Washington, D.C. 20560

Dear Bob:

It might be that the material from the blue flowers could be written up as a short note for SCIENCE, but I would not want to do that unless the chemical basis was pretty apparent. That will depend on Bill Dement, and it is pretty much of a long shot, since he would have to find some chemicals she could recognize pretty easily, out of the ordinary for Onagraceae. This is not impossible, but we will have to see. He found it messy in *Cichorium* and it was not easy for him to recognize the patterns he saw. But we will see, and I will keep you closely informed about this. I certainly appreciate your sending the material on for analysis.

All the best,

Cordially,

Peter

Peter H. Raven
Director

PHR:fg

P.S. If you can collect seeds of legumes for Bob Krukoff in Bolivia, that would be excellent. He needs about half a tea-cup of anything you collect, accompanied with a voucher. The project he has organized is really doing great things in finding out and analyzing unusual amino acids and alkaloids from these plants.

P.R.

P.S. Won't be there for the meetings in Sept. P.R.

Office of the Director

2315 Tower Grove Avenue
St. Louis, Missouri 63110
Tel: 314 865-0440

August 21, 1974

Dr. Peter H. Raven, Director
Missouri Botanical Garden
St. Louis, Missouri 63110

Dear Peter,

Thanks for your letter and the comments about a possible article in Science. I don't give up very easily. Inclosed are collections of Cichorium intybus which I would like to you send to Bill Dement. My photography has much improved and I wonder if you sent the proper samples. My recent work shows that the entire corolla is reflective and only the style branches and stamen are non-reflective. I hope for better luck on this.

I will be glad to collect legumes for you and Bob Krukoff in Bolivia, that is if I get there.

Very sincerely

Robert M. King
Department of Botany

Missouri
Botanical
Garden



February 24, 1978

Dr. Robert M. King
Department of Botany
Smithsonian Institution
Washington, D.C. 20560

Dear Bob:

Thanks so much for the seeds of Epilobium from Bolivia which we shall plant promptly. Jim Solomon, a graduate student here, is now working on the South American species of the genus so that they are especially welcome.

Certainly I am enthusiastic about the idea of your including the chromosome number series as counts are available. I well remember starting it over twenty years ago looking for another Haplopappus gracilis.

With all good wishes, I am

Cordially,

Peter H. Raven
Director

PHR:mv



UNIVERSIDAD DE LOS ANDES
FACULTAD DE FARMACIA
INSTITUTO DE INVESTIGACION QUIMICA
APARTADO No. 142
MERIDA - VENEZUELA

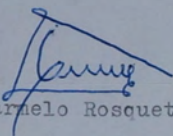
No. S/N

Dear Dr. King,

I should be very grateful if you could send me details and if is possible literature about the taxon Ageratina semialata.

There is a chemical work already published by F. Bohlmann et al. in Phytochemistry, 1977, Vol. 16, pp. 1973-1981 on which they refered to the taxon as A. semialata (Benth.) K. et P. and indicated the herb. n^o (King 7115).

I took forward to hearing from you


Carmelo Rosquete P.



Oriole Editions

19 WEST 44 STREET NEW YORK NY 10036

Telephone: (212) 490-2070

AGREEMENT made this *✓* day of *December 1974*
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Botany, Smithsonian Institution, Washington, D. C. and Helen W.
Dawson, 8812 Stonehaven Road, Randallstown, Maryland, hereinafter
called the CO-AUTHORS, as parties of the second part.

WHEREAS the CO-AUTHORS have jointly collected, collated and
prepared a work entitled

CASSINI ON COMPOSITAE

consisting of Cassini's contributions to the Dictionnaire des
Sciences Naturelles and have added an Introduction and an Index
to the Work;

And WHEREAS it is agreed that the PUBLISHERS shall have the
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The PUBLISHERS agree to manufacture and publish the Work at
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Page Two

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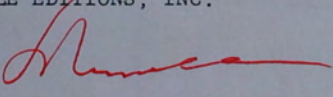
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Page Three

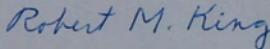
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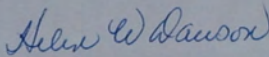
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by 
S. A. Russell, President

This Agreement accepted for
ROBERT M. KING

by 

HELEN W. DAWSON

by 

0

Oriole Editions

19 WEST 44 STREET NEW YORK NY 10036

Telephone: (212) 490-2070

1 July 1975

Dear Mr King:

I had forgotten all about the man with camera;
and here are the pictures, and flattering too. Many
thanks for sending them.

I have now gone over the pages you sent and of
course the new material presents certain problems
again of splicing the copy to create pages that will
begin at the normal top of the leaf; it will not
matter where each section ends.

Also, many of these are quite poor photocopies;
if they cannot be improved upon very substantially,
the project could be very dubious.

These will be ready for press and will appear in sheets in
as soon as the bindery opens after the vacation shut-
down; books should be ready not later than August 15th.

It might be useful if you can give me a list of
journals which should get review copies.

And please give my greetings to Mrs. Dawson.

Yrs,

S A Russell