

# SELYSIA

A NEWS LETTER OF ODONATOLOGY

Vol. 1, No. 2

Lafayette, Indiana

November 15, 1963

## Directory of Collections

There has been considerable interest in the list of "Odonata Workers," begun with the North American portion in the first issue and continued here with the British and South American portions. This will be continued until the entire world has been covered, with corrections and additions to the portions already published as they are brought to our attention.

A similar directory of Odonata collections is planned for future issues. It may not be possible to include as much for all other collections as is given for the U.S. National Museum by Doctor Flint in the accompanying article. However, the information indicated on the "Supplement" will be summarized. The early return of this blank completed, accompanied by a narrative report similar to that by Dr. Flint will be appreciated. The early publication of the information thus furnished will be attempted.

Information on small and local accumulations, or other undetermined collections, whenever these are available to qualified specialists engaged in faunistic or revisional studies, will be as valuable as data on the great research collections.

## The Colloquium on the Odonata

The colloquium on the Odonata announced for March 22 in the first issue of Selysia was held as scheduled in connection with the 42nd annual conference of the North Central Entomologists. When it was proposed to the program committee of the conference that the colloquium be held, some members of the committee expressed doubts that enough people were interested in the Odonata to make a session possible! However, the response of Odonata workers

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(A detailed program of the colloquium as published, is given on pages 3 and 4.)

The Odonata Collection of the United States National Museum, Smithsonian Institution

by Oliver S. Flint, Jr.  
Associate Curator in Charge  
Division of Neuropteroids

Most workers on the dragonflies are unaware of the great quantity of material in this order that is preserved in the national collection. Presently it is impossible to give an accurate count of the number of specimens, but the size of the collection may be gauged by the fact that 21 cabinets containing 498 drawers are required for housing them. Most of the specimens, which were accumulated principally in the early 1900's are pinned, the common practice of that time. Those specimens that are papered are segregated by species and kept, for the time being, in drawers in appropriate size unit trays. Holotypes are kept segregated from the rest of the collection, and number about seventy-five. Our collection of nymphs, which are almost wholly North American, is very small and poorly determined.

The North American collection, which fills 14½ cabinets, is by far the largest. The species found in the vicinity of Washington, D.C., are especially well represented due to the efforts of Rolla and Bertha Currie from about 1900 to the period of the first World War. Considerable of the life-history material from the studies of C. H. Kennedy are also deposited here. Coverage outside of the Middle Atlantic region is often spotty, with species from the Southeast, far North, and Southwest often lacking.

Our holdings from the Oriental area, in which I include China, Japan, India, and all the Pacific Islands, are the most extensive of any exotic region (3 cabinets). Needham utilized a large collection from

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## S E L Y S I A

## A Newsletter of Odonatology

Compiled at  
Department of Entomology, Purdue University  
Lafayette, Indiana

by  
B. Elwood Montgomery

Issued at intervals  
as available news and information warrant

This newsletter is designed to disseminate facts and news about the activities of Odonatologists and Odonatology. It is not intended as a journal nor an organ for the publication of articles or technical papers. The name is that of the "Father of Odonatology", Baron Edmond de Selys Longchamps.

Although I made no commitment on the frequency of the appearance of issues of this newsletter in the first number, I had expected to send out another in about four months. Other duties, including the editing of the discussions at the Colloquium and the photoperiod-temperature experiments have delayed the second issue just twice that time. This has been more or less unfortunate, as I have also neglected my correspondence during this period. However, it has been somewhat encouraging to me by showing that some workers are interested in receiving it. Several have written inquiries about the appearance of the next issue, or asking if they had failed to be included in the mailing.

I certainly wish to thank the individuals from many countries who have written me about Selysia, or who have sent copies of their papers. I hope to be able to answer such of these as require a reply soon, and to send copies of such of my own papers as are available to those who have requested them.

This issue is being sent to everyone known to me as being interested in the Odonata and for whom I have an address. Future issues will be sent to those who have already, or will now acknowledge receiving a copy. A few copies of the first issue, containing the list of North American workers, are still available.

## DIRECTORY OF ODONATA WORKERS

We proposed to present under this heading a list of the names and addresses of the amateur enthusiasts and workers on the Odonata (whether faunistic, taxonomic or physiologic). The first section, dealing with those resident in North America appeared in the first issue of Selysia, the second including those from British countries and South America, is presented here. We hope to list those from the continent of Europe in the next issue. It will be very helpful if anyone receiving this will furnish a list of such "amateurs" and workers from his own country. Corrections, additions, etc., to the lists already published will be appreciated and published in the next issue.

## NORTH AMERICA

(Supplement - See Selysia, v.1, #1, pp.2-3)

## Additions:

HINTZ, DR. HOWARD W., Biology Department,  
Heidelberg College, Tiffin, Ohio

HORNUFF, MR. LOTHAR, Biology Department,  
North Central State College, Edmond,  
Oklahoma

MCMAHAN, DR. ELIZABETH, Department of  
Zoology, University of North Carolina,  
Chapel Hill, North Carolina

Students - Department of Entomology, Purdue University, Lafayette, Indiana.

LEASE, MR. WILLIAM

WILKINSON, MR. DANIEL

WAI, MRS. LING-CHU (CHEN)

-Department of Zoology, University  
of North Carolina, Chapel Hill, North  
Carolina

ETTHAN, MR. JAMES K.

GARCIA-DIAZ, DR. JULIO, Department of Entomology,  
University of Puerto Rico, Rio  
Piedras, Puerto Rico.

## Correction and change of address:

TROGDON, DR. RICHARD P., Department of  
Biology, North Georgia College, Dahlonega  
Georgia.

WIGHTON, MR. DENNIS, Department of Genetics,  
University of Alberta, Edmonton, Alberta.

## Deletion:

PENN, PROF. GEORGE HENRY - deceased.

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The Colloquium  
(continued from page 1)

to the proposal was enthusiastic, even overwhelming in respect to time, as three sessions proved inadequate for the program as planned!! It became necessary to shorten some presentations and to limit discussions.

From 30 to 50 people were present at all times during the sessions. It is thought that about 35 dragonfly workers or enthusiasts attended. Several other members of the conference (405 registered attendants) dropped into our meeting for certain topics.

Unfortunately two very active workers were unable to be present; Dr. E.M. Walker and Dr. Edward J. Kormondy were forced to cancel plans to participate because of 'flu' attacks. Doctor Kormondy had organized the symposium on behavior and was scheduled to moderate this portion of the colloquium. Dr. Philip S. Corbet very graciously, and effectively, took over this responsibility. The group was also saddened by the news of the death of Lt. Col. F. C. Fraser.

The evening session ran to a late hour (11:00 p.m.); nevertheless the colloquium did not adjourn at that time, but moved to the Entomology Department to see the Montgomery collection, bibliography and index, to observe the Macklin-Montgomery laboratory for photoperiod-temperature studies, and to continue discussions.

This editor served as chairman, and Dr. Jerry M. Macklin as secretary. The entire program through paper number 20 was recorded on tape. The proceedings, consisting of the papers, in full or abstract form, as furnished by the speakers or transcribed from tape by Barbara (Mrs. J.M.) Macklin and edited by the secretary and chairman, were published in the Proceedings, 18th Annual Meeting, North Central Branch, Entomological Society of America (Volume XVIII - 1963). Some parts of the discussion were not included. Anecdotes and stories told by the chairman and other obiter dicta have been omitted and it was impossible to interpret some remarks from the recording. A

few voices did not record well when the speakers were talking from the floor. In cases where some sentences are unintelligible on the tape, the preceding and following remarks frequently have little or no meaning.

The tapes have been placed in the Montgomery Odonata Library for use of anyone interested.

Separates of the individual papers have been purchased and, presumably will be distributed by many of the authors. However, these will not contain the discussions. In order that the colloquium may be of as much value as possible to those who did not attend the meeting, officials of the North Central Branch, E.S.A., have authorized the sale of a reprint of the entire Colloquium. The following announcement, quoted from the Proceedings, gives the availability of these reprints. "Reprints of the 'Colloquium on the Odonata' are available at \$2.00 each. Quantities of five or more at special prices. Send orders to: Ray T. Everly, Department of Entomology, Ag. Hall, Purdue University, Lafayette, Indiana, 47907. Make checks or money orders payable to: Secretary-Treasurer, North Central Branch, E.S.A."

This reprint will consist of pages 101-156 of the N.C. Br. Proceedings, plus special index, with covers.

Colloquium on the Odonata  
Purdue University, March 22, 1963

1. Introduction - B. Elwood Montgomery,  
Chairman of the Colloquium
- A. Classification and Nomenclature - M.J. Westfall, discussion leader
  - \*2. Scheme of the New World Catalogue - B. Elwood Montgomery
  - \*3. Common Names for Odonata - D. J. Borror
- B. Behavior in Odonata - Philip S. Corbet, moderator
  - \*4. Migration of Odonata - P.S. Corbet
  - \*5. The Meaning of Territorialism in Dragonflies and other Animals - Merle E. Jacobs

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- \*6. Reproductive Behavior in Enallagma civile and Argia apicalis - George H. Bick
- a\*7. Breeding Structure in Populations of the Odonata - Clifford Johnson
- \*8. Mating Behavior and Local Dispersal in Erythemis simplicicollis - Neva Currie
- \*9. Possible Phylogentic Relationships among North and Central American Enallagma - Thomas W. Donnelly
- a10. Odonata Cytogenetics - Robert B. Cumming
- a11. Dragonflies in Natural Environments (A Photographic Study) - Paul D. Harwood
- C. Seasonal Life History in the Odonata - Charles E. Jenner, moderator
  - 12. Seasonal Distribution and Abundance of Odonata at a large Pond in Central Pennsylvania - Harold B. White III
  - \*13. Seasonal Occurrence and Abundance of Libellulinae in Five South-eastern States - William H. Cross (presented by Minter J. Westfall)
  - \*14. Life History, Distribution and Ecology in the Odonata of South-Western Australia - J.A.L. Watson
  - a\*15. Effect of Photoperiod on Larval Development in Several Species of Odonata - Charles E. Jenner
  - a\*16. Seasonal Regulation in Pachydiplax longipennis - J. G. Eller
  - \*17. Seasonal Regulation in Nymphs of Tetragoneuria cynipura (Say) - Paul E. Lutz
  - 18. Growth Rate of Pachydiplax longipennis as Influenced by Environmental Factors - Jerry M. Macklin
  - 19. Effects of Photoperiod and Temperature on Rate of Development in Naiads of Ischnura verticalis (Say) - B. Elwood Montgomery
- \*20. A Survey of Odonata Literature, 1957-1960 - Emily Alward
- 21. A Neglected Early List of Utah Odonata - Mary Davis Ries
- 22. Odonata as Experimental Organisms for Original Research of High School Students - Robert W. Alrutz
- 23. A Movable Molar in the Odonata? - Leonora K. Gloyd
- 24. Efficiency in Caring for Large Odonata Collections - George H. and Alice Ferguson Beatty
- 25. Gregarious Roosting Behavior of Mecistogaster ornatus in Mexico - George H. and Alice Ferguson Beatty

\*Discussion following paper (or series of papers)

<sup>a</sup>Abstract only furnished for publication

Collection of U.S. National Museum  
(continued from page 1)

Szechuan, China, as the basis for his work on the dragonflies of China. The Oriental collection is greatly enriched by many specimens collected all over the Pacific during the Second World War and determined by M. A. Lieftinck. There is also a representative collection of Japanese Odonata determined by P. P. Calvert.

The Neotropical region is almost as well represented (3 cabinets). A considerable portion of the material used by Calvert in the preparation of his volume of the Biologia Central Americana is present in the national collection. All these specimens are clearly labeled by him with reference to the page in the Biologia where they are discussed. Most of the other material was collected in Panama and the West Indies by Busck, and in northern South America by the Williamsons.

Europe and Africa, each with  $\frac{1}{4}$  cabinet, are the most poorly represented. However, exchanges are currently being carried on with workers in these regions, so that these collections will be greatly enhanced.

During the past year considerable time has been spent straightening out the collection of exotics. These have now been segregated according to the areas mentioned above, the undetermined separated from the determined, and these brought together by genus and species. It is now possible to find for the first time determined examples, if present, of any given species.

A collection, of course, is of little value if it is not used. It is hoped that this article will arouse interest in and

subsequent utilization of the collections. Specimens may be borrowed by recognized specialists at any time, although we prefer not to send pinned examples through the mail. Holotypes are not loaned as a rule, although an author may always borrow types of his own species. We are very pleased to get material in any amount from any part of the world as long as it has adequate data. Whenever adequate material is available, examples are willingly exchanged for species we do not possess. People engaged in ecological and other studies are urged to send their material here rather than destroy it when their studies are completed, thereby saving it for any future need. We are most anxious to have holotypes or paratypes deposited here and indeed this is the only way in which this country can ever develop a worthwhile national collection. Although we do not have an Odonatologist on the staff at the present, it is hoped that one will be added in the future. A file of separates and books is maintained as an adjunct to the collection for the use of visitors and others, and the deposition of publications for preservation and reference use will be most appreciated.

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 Directory of workers  
 (continued from page 2)  
 BRITISH WORKERS

ENGLAND

ATLEE, MR. H. G., 4 Combermere Road,  
 St. Leonards-on-Sea.  
 COWLEY, MR. JOHN, Holywell House, Edington,  
 Bridgewater, Somerset  
 FORD, MR. W. K., City of Liverpool Public  
 Museums, Carnatic Hall, Elmswood Road,  
 Liverpool 18  
 FRENCH, MR. R. A., Rothamsted Experiment  
 Station, Harpenden, Herts.  
 GAMBLE, MR. R. MOYLAN, West Warren,  
 Warren Road, near Reading, Berks  
 GARDNER, Mr. A. E., 29 Glenfield Road,  
 Banstead, Surrey  
 HAMMOND, MR. C. O., 34 Passmore Gardens,  
 New Southgate, London, N 11  
 HARKER, DR. JANET, Department of Zoology,  
 Downing Street, Cambridge  
 HOBBS, DR. B. M., Hope Department of Entomology,  
 University Museum, Oxford  
 KIMMINS, MR. D. E., Department of Entomology,  
 British Museum (Natural History),  
 Cromwell Road, South Kensington,  
 London, S. W. 7.

LIDLAW, DR. F. F., The Rectory, Foxearth  
 Sudbury, Suffolk  
 MACAN, DR. T. T., Ferry House, Far Sawrey,  
 Ambleside, Westmorland.  
 MICHAEL, DR. PETER, 19 Green Lane,  
 Shortheath, Farnham, Surrey.  
 MOORE, DR. B. P., Montrose, Stonyfields,  
 Farnham, Surrey. (I have been informed  
 that Dr. Moore is now in Australia but I  
 have no Australian address for him. This  
 is the address of his parents, and any  
 letters directed to it should be forwarded,  
 I believe.)  
 MOORE, DR. N. W., The Nature Conservancy,  
 19 Belgrave Square, London, S.W. 1.  
 PINNIGER, MR. E. B., 19 Endlebury Road,  
 Chingford, London, E. 4.  
 SAGE, MR. BRYAN L., "Caldey," 11 Deep  
 dene, Potters Bar, Middlesex.

SCOTLAND

RADCLIFFE, DR. D. A., Nature Conservancy,  
 12 Hope Terrace, Edinburgh 9.  
 WILLIAMS, DR. C. B., 1A Rochester Terrace,  
 Edinburgh 10.

WALES

KYLE, DR. DAVID, Glasfryn, Brecon, South  
 Wales.

EIRE

FARIS, MR. R. C., Farrinseer, Cornafean,  
 Cavan County.  
 LONGFIELD, MISS CYNTHIA, The Park House,  
 Cloyne, County Cork.  
 MACNEILL, COLONEL NIAL, Ordnance Survey,  
 Phoenix Park, Dublin.

CHANNEL ISLANDS

DOBSON, MR. FREDERICK, "Sandy Lodge,"  
 La Pulente, St. Brelade, Jersey.

UNION OF SOUTH AFRICA

BALINSKY, PROF. B. I., Zoology Department,  
 University of the Witwatersrand, Milner  
 Park, Johannesburg.  
 BARNARD, DR. K. H., c/o The Director,  
 South African Museum, Cape Town.  
 CHUTTER, MR. F. M., c/o National Institute  
 for Water Research, P.O. Box 395,  
 Pretoria.

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Directory of Workers  
(continued from Page 5)

SOUTHERN RHODESIA

PINHEY, MR. ELLIOT C. G., National Museum  
P.O. Box 240, Bulawayo  
WHELLAN, MR. J. A., Entomology Branch,  
Department of Research and Specialist  
Services, P.O. Box 8100, Causeway,  
Salisbury

AUSTRALIA

HODGKIN, DR. E. P., Department of Zoology,  
University of Western Australia, Nedlands,  
Western Australia.  
MOORE, DR. B. P. (see list for England)  
O'FARRELL, DR. A. F., Zoology Department,  
University of New England, Armidale 5N,  
New South Wales.  
PRITCHARD, DR. GORDON, Department of  
Zoology, University of Sydney, Sydney,  
New South Wales  
WATSON, DR. J. A. L., (See list for North  
America)

NEW ZEALAND

ARMSTRONG, DR. J. S., "Clova," 30 Titirau-  
Penga Street, Taupo  
WISE, DR. K. A. J., Canterbury Museum,  
Christchurch.

SOUTH AMERICA

ETCHEVERRY, DR. MARIA. Centro Estudios  
Entomologicos, Casilla 147, Santiago,  
Chile  
GEIJSKES, DR. D. C., Landbouwproefstation,  
Paramaribo, D. G., Surinam  
MACHADO, MR. ANGELO B. M., Rua Alvarenga,  
Belo Horizonte, Minas Gerais, Brazil  
RACENIS, DR. J., Zoologo - Entomologo,  
Apartado Este 4255, Caracas, Venezuela  
SANTOS, DR. NEWTON DIAS DOS, Museu-  
Nacional, Quinta da Boa Vista, Rio De  
Janeiro, Brazil

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Recently I have been trying to work  
out a complete bibliography of the Odonata  
papers of the late Col. F. C. Fraser. As a  
basis I used the little book, which he  
apparently printed himself in 1955. This  
was not widely distributed but Doctor P.

S. Corbet loaned me a copy. It lists 248  
papers, including six dated 1955. However,  
I have found nine additional papers dated  
1955, and four 1954 which are not included.  
I have also found references to 10 earlier  
papers not listed; most of these are book  
reviews or short articles on nomenclature,  
but a few are systematic or faunistic  
papers. I have seen or noted references  
to 61 papers published since the little  
book was compiled, thus giving a total of  
319 titles. I shall be glad to send a copy  
of this bibliography to anyone interested  
in helping to confirm and complete it.

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Exchange of Translations

By George H. Bick  
Saint Mary's College  
Notre Dame, Indiana

One thing that I certainly would like  
to have is a solution to the problem of  
translation of foreign articles. Most of  
these of interest to me are in Japanese or  
German and of late I have seen many. I  
just cannot keep up with the translations.  
It seems that we should develop some sort  
of pool of the translations so that once  
an article is translated it would be shared  
by all. For example, I have Buchholz (1950)  
and Buchholtz (1956) translated and I would  
be pleased to share these with anyone who  
is interested. --I would be more pleased  
to share them with someone who could con-  
tribute an article translated to me in  
return. There was a recent proposal in the  
last newsletter of the Behavior section of  
the Ecological Society outlining a trans-  
lation pool idea which we could well fol-  
low.

.....

I would like to endorse Doctor Bick's  
idea and urge anyone interested to write  
to him or me to help develop such a pool  
of translations. Many of us find it  
absolutely necessary to translate most  
articles in foreign languages to make any  
efficient use of them. This is especially  
true of non-taxonomic articles. A pool  
of translations would reduce the amount of  
labor expended in this direction. The  
time required for such translations is so  
great for most of us that we do it very in-  
frequently. However, if we would make an  
exchange, many of us would be willing to  
translate now and then if we are repaid  
two, three or many fold!



November 15, 1963

SELYSIA, v.1, #2

supplement

If you have a collection of Odonata, or if you work with, or have charge of a museum or institutional collection, please complete this form by filling in the appropriate information (please print or use typewriter) and return to Prof. B. Elwood Montgomery, Editor of Selysia, Department of Entomology, Purdue University, Lafayette, Indiana, 47907, United States of America.

Museum, institution, or owner \_\_\_\_\_

Name of collection (if different from above): \_\_\_\_\_

\*

Official or individual in charge: \_\_\_\_\_

Authors and/or collectors whose collections are included: \_\_\_\_\_

Authors whose types are included: \_\_\_\_\_

Size of collection:

Number of specimens: \_\_\_\_\_

No. of Species: \_\_\_\_\_

No. of types: \_\_\_\_\_

Geographical areas represented; indicate degree of completeness for each. \_\_\_\_\_

Type of mounting or preservation (pinned or papered - in triangular or rectangular envelopes - or other): \_\_\_\_\_

Arrangement of collection (alphabetical by genera and/or species, for entire order, by family or other groups; by faunal areas; "natural" sequence of taxa; etc.) \_\_\_\_\_

Published descriptions of the collection, list of types included, or other available information about the collection. \_\_\_\_\_

Remarks, explanations, or continuation of any items above. (continue overleaf, and on separate sheet if necessary) \_\_\_\_\_