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Insert: Proposed Revised By-Laws

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The **Bulletin** is your medium for publishing and receiving news and opinions. It is the principal medium by which the ESC keeps you informed.

CONTRIBUTIONS

Contributions and correspondence should be sent to: D. C. Eidt, Editor, Bulletin of the Entomological Society of Canada, P. O. Box 4000, Fredericton, New Brunswick E3B 5G4. Inquiries about subscriptions and back issues should be referred to the Treasurer, Entomological Society of Canada, 1320 Carling Ave., Ottawa, Ontario, K1Z 7K9.

BOOK REVIEWS

Books for review should be sent to Dr. Carl Yoshimoto, Chairman, Editorial Board, ESC, Biosystematics Research Institute, Agriculture Canada, Ottawa K1A 0C6.

DEADLINE

The deadline for the next issue, Vol. 7, No. 2 for June 1975 is 2 May. The approximate date of mailing will be 6 June.

Editorial

SCHOLARSHIP

In this issue the Scholarship Committee publishes its first financial report. Since the first announcement of the Scholarship Fund in the September 1974 *Bulletin*, \$1643 has been accumulated. Allowing that there are about 500 members in Canada, not overlooking that foreign members may have contributed too, that's about \$30 per member. However, about \$900 of the total was in three large contributions, which means that the rest of us contributed about \$12.50 each. It still sounds pretty good until you read in Brian Hocking's Gold Medal address (*Bulletin* 6:104-106) how much we spend on coffee breaks.

The goal is a long way off. At 10% return on investment it takes \$30,000 to generate an annual scholarship of \$3000. Interest rates may decline, inflation may continue, and the farsighted are thinking of more than one award each year. We have a long way to go to establish an adequate capital fund.

NEW PERSPECTIVE

The Entomological Society of Canada was founded by men who were first of all amateurs (in the basic sense of the word) and naturalists. For many years afterward they dominated the Society and its journal. The early issues of the *Canadian Entomologist* indicate a curiosity about all animals and plants and an appreciation of their interdependence. In time, the journal came to be dominated by a breed of taxonomists who raced one another to name and classify, as discrete objects, the infinite variations of the insect plan. In recent years the journal has embraced a variety of entomological subjects, but most papers deal with a specialized aspect of the science. This has been a reflection of entomologists themselves who, however commendable the object to study, advance, and promote entomology, often forget to be biologists first.

The BEP 1975 Joint Meeting may mark the beginning of new thinking among many entomologists, with a return to the old values. Modern entomology, botany, and phytopathology seen in broader perspective will surely inspire new advances. Collaboration among these disciplines has always been profitable.

ON AMATEUR ENTOMOLOGY

This article was originally prepared as a circular letter to the members of the Entomological Society of Ontario. The message applies equally well across Canada and for that reason, with ESO President Watson's permission, it is published here.

Entomology in Ontario has made great strides since its early beginning over 100 years ago. The handful of dedicated entomologists has grown to a flourishing band of several hundred. During the same period the number of active amateur entomologists has apparently declined, according to the number of papers submitted for publication. The reasons are probably many and varied; The results are serious.

Because the professional entomologist is just that, his time is not always his to use as he wishes. Thus although both the number of entomologists and the amount of entomological knowledge is increasing, there are many aspects of entomology that are simply not being worked on. Faunal lists of local areas, notes on distribution, observations on behaviour and life history, are all subjects that need much work. The keen amateur, unfettered by the "duty" work of the professional, can fill in many of the gaps in our entomological knowledge. Much of this work can be done only by a person who can willingly spend years collecting and observing in a fairly restricted locality. Without this kind of entomology our knowledge of insects in Ontario will continue to be deficient.

But the amateur cannot work alone. His basic concern is taxonomy; how can he identify his insects? Modern taxonomy has become complex but not so complex that the well-informed amateur need be wary of it; despite current sophistication, practical taxonomy is not that much changed from forty years ago. It is up to the professional taxonomist to provide the tools for the amateur. Part of the decline in amateur interest must be due to the lack of good information accessible to him. Holland's *Siphonaptera of Canada*, Walker's *Odonata of Canada and Alaska* and Wallis' *The Cicindellidae of Canada* are the type of books a good amateur needs. There are also many excellent papers in the *Canadian Entomologist* and *Memoirs*, which, although some may be more technical than desired, contain a wealth of information that the amateur could use if more interestingly presented. I make a plea to all professional taxonomic entomologists to devote a reasonable portion of time to the writing of some good useful handbooks. These would go a long way towards galvanizing the dedicated amateur.

Ontario is a province of nearly a million square miles spanning life zones from the Carolinian to the Arctic. In all the years that entomologists have been working in this vast province we have one slim volume on any insect group, *The Water-Striders of Ontario* by Cheng and Fernando. This can be augmented by a few papers in the *Proceedings of the Entomological Society of Ontario*, where they lie virtually unknown. They should be resurrected, brought up to date, edited attractively and put on the market.

This is a "popularization" of entomology. For this I make no apology. I would suggest that this could be a prime objective and function of our Society. We have been content for too long to let entomology come to us. We have been content for far too long to wonder why the Society is not more flourishing than it is. Let us stop being content and set ourselves some real objectives. My objective is to stimulate the quiescent band of amateur entomologists that I am sure exists, and to get them busy.

W. Y. Watson

ENTOMOLOGICAL SOCIETY OF CANADA



Gold Medal for Outstanding Achievement in Canadian Entomology and The C. Gordon Hewitt Award

Members of the Society are invited to nominate persons whom they regard as eligible for these awards. Nominations should be sent to the Achievement Awards Committee, Entomological Society of Canada, 1320 Carling Avenue, Ottawa, Ontario K1Z 7K9, in an envelope marked "Confidential" and should comprise: (1) the name and address of the nominee(s); (2) a statement of relevant achievements; and (3) the name of the nominator and at least one seconder. To be considered by the Achievement Awards Committee, nominations must bear a postmark no later than 30 November 1975.

The following conditions govern these awards:

- Outstanding contributions should be judged on the basis of
 - (a) superior research accomplishment either as a single contribution or as a series of associated endeavours and which may be either in entomology or a related field where the results obtained are of great consequence; or
 - (b) dedicated and fruitful service in the fields of Society affairs, research administration, or education.
- No more than one of each award shall be granted per year but, where circumstances warrant, more than one individual may be mentioned in a single award.
- Recipients need not be members of the Society providing their contribution is judged to have a major impact on entomology in Canada.
- Each award may be granted on different occasions to the same recipient but for different contributions to entomology in Canada.
- nominee for the C. Gordon Hewitt Award must be less than 40 years of age throughout the calendar year in which the award is both announced and awarded.

JAMES WILLIAM MacBAIN CAMERON

1910-1975



J. M. (Bain) Cameron, Director of the Insect Pathology Research Institute died at the General Hospital, Sault Ste. Marie, Ontario, 4 January 1975.

Dr. Cameron was born in Scotch Hill, Nova Scotia in 1919. At the age of 15 he graduated from Pictou Academy. After attendance at Nova Scotia Agricultural College, he obtained his B.S.A. degree in 1930 from Macdonald College, the Agriculture faculty of McGill University. As an undergraduate summer assistant he worked for Dr. W. H. Brittain during the latter's classical apple pollination studies in the Annapolis Valley. He obtained his M.Sc. (1932) from Macdonald College, and while studying for his Ph.D. (1938) was a

demonstrator and lecturer in zoology and entomology. On the Macdonald Campus he met Evelyn MacKenzie of Brockville, Ontario. They were married in 1937 and had four sons and a daughter.

From 1939-1941 Bain was Provincial Entomologist for Nova Scotia and taught zoology and entomology at the Nova Scotia Agricultural College. In 1941 he joined the Royal Canadian Air Force as a navigation instructor. After 18 months he was seconded to a post in the Chemical Warfare Service to work on entomological problems.

In 1945 he joined the Forest Insect Control Board as a Research Officer and was transferred to the Forest Insect Laboratory in Sault Ste. Marie which had been newly opened as a joint project of the Federal and Provincial governments. When the Insect Pathology Research Institute was established in 1950, as an autonomous national institute, Dr. Cameron became its first Director, the post he held until his death.

Although he disclaimed any expertise as an insect pathologist, because of his long and close association with insect pathology in Canada during the post war period, he had a broad overview of this discipline that was denied specialists. In this capacity as Director he recruited, encouraged and guided many scientists, some of whom have since played important roles in other institutes and jurisdictions. As many of us who worked under him know from personal experience, his advice and encouragement were invaluable. In spite of an ever-increasing workload as the Institute expanded, Bain was the author and co-author of many review papers concerning the application of insect pathogens as potentially useful agents. His own papers were marked by a direct and lucid style that was widely admired and appreciated. As an internal editor he saved many of us from our own woolly phrases, solecisms, tables and captions that confused rather than enlightened.

Dr. Cameron's professional affiliations were varied and many. He was one of the small group that spearheaded the founding of the Entomological Society of Canada, later serving it as President in 1967, and in many ways, officially and unofficially. Similarly he served several terms on the executive of the Entomological Society of Ontario including a term as President.

Characteristically, he had a distinguished record of service to his community. He was a member of the Board of Education of the City of Sault Ste. Marie, Chairman of the Korah and Tarentorus District High School Board, the first Chairman of the Sault Ste. Marie Conservation Authority, President of the Algoma Tuberculosis and Respiratory Disease Association. At the time of his death, Dr. Cameron was Chairman of the Board of Governors of Algoma University College an affiliate of Laurentian University.

Dr. and Mrs. Cameron attended a number of international congresses of entomology and insect pathology and his contacts especially in Eastern Europe were wide and varied. The many visitors to the Sault Ste. Marie laboratories undoubtedly have pleasant memories of the gracious hospitality of the Camerons in the home they built on the heights overlooking Sault Ste. Marie. In spite of the demands on a science administrator, Bain never lost his early love of growing things and he was constantly seeking new specimens for the wild flower collection he and Evelyn maintained.

Bain was a man of strong convictions which he did not lightly alter nor shrink from advancing. His office door was always open and when his opinion was sought it was frankly given. You were always sure that it was based on a real desire to find a fair and reasonable solution to a problem. All of his staff deeply grieve his untimely passing; he was denied a pleasant and well-earned retirement. We know that this sentiment will be shared by Bain's many friends and colleagues who will wish to extend their sympathy to Mrs. Cameron and the family.

The Staff,
IPRI,
Sault Ste. Marie, Ontario.

THE ESC SCHOLARSHIP PROGRAM

An important event in the history of the Society occurred on Monday, 14 April 1975 when copies of the Announcement of the Society's \$500.00 Postgraduate Award were mailed to 57 Canadian universities and colleges. The Announcement, in English and French, is also printed in this issue of the **Bulletin**. The deadline for applications for this first Award will be 15 December 1975, the recipient will be announced in March 1976 and, subject to completion of the qualifying conditions, payment will be made in January, 1977. This is the first \$500 award that will be made annually by the Society until a capital fund, the interest from which will be sufficient to provide a postgraduate scholarship of about \$3000, has been accumulated.

As of 17 April the Scholarship Fund contained \$1643.00. Since the first general announcement of the Scholarship Fund appeared in the September 1974 issue of the **Bulletin**, building of the Fund is not off to a very propitious start. This is your Fund and an opportunity for every member of the Society to do something for his or her profession or hobby. Contributions are eligible as charitable donations for income tax purposes and should be made payable to The Entomological Society of Canada Scholarship Fund and addressed to the Treasurer, Dr. E. C. Becker, 1320 Carling Ave., Ottawa, Ontario K1Z 7K9.

Scholarship Committee
G. Ball, T. Sawyer,
J. McLintock, Chairman

ANNOUNCEMENT

ENTOMOLOGICAL SOCIETY OF CANADA POSTGRADUATE AWARD 1976

The Entomological Society of Canada will offer a Postgraduate Award to assist a student in undertaking his or her first year of graduate study and research leading to an advanced degree in entomology. The Award will be made to a man or woman on equal terms on the basis of high scholastic achievement.

The purpose of this announcement is to outline the eligibility requirements, the method of application and the regulations governing the use of the Award.

All communications regarding the Award should be addressed to:

Dr. N. S. Church, Secretary,
Entomological Society of Canada,
c/o Research Station,
Agriculture Canada,
Saskatoon, Saskatchewan
S7N 0X2

Postgraduate Award — A Postgraduate Award valued at \$500.00 for 12 months will be awarded for a first year of post-graduate study and research in entomology in Canada.

Eligibility — At the time of application, an applicant must be either a Canadian citizen, or a landed immigrant residing in Canada. A landed immigrant must have a degree in science from a Canadian university. The Award is conditional until the recipient has provided evidence of acceptance by a graduate school to engage, during the 1976-77 academic year, in a program of study and research for an advanced degree with full graduate student status. Failure to provide this evidence will result in cancellation of the Award. Before the scholar may receive the Award a statement must be provided by the dean of graduate studies at the university of tenure certifying that the student has been accepted for graduate studies and research with the full status of a graduate student. A scholar who enters a graduate school as a qualifying candidate is not eligible to hold the Postgraduate Award of the ESC. The Award to a student who was unable to gain admission to a graduate school as a fully qualified student will be cancelled.

Tenure — The Entomological Society of Canada Postgraduate Award is granted for tenure in Canada. A successful candidate may carry out his or her postgraduate research at any Canadian university. Tenure may commence on or after May 1976 but not later than the date on which the academic year begins.

AVIS

BOURSE DE LA SOCIÉTÉ ENTOMOLOGIQUE DU CANADA AUX ÉTUDIANTS POST-GRADUÉS — 1976

La Société Entomologique du Canada offrira une Bourse aux étudiants en première année d'études post-graduées en préparation d'un diplôme supérieur en entomologie. La Bourse sera accordée à un étudiant ou une étudiante en raison des seuls critères de réussite académique.

Le but de la présente est de préciser les conditions d'éligibilité, le processus de demande et les exigences rattachées à cette Bourse.

Toute correspondance relative à la Bourse doit être adressée à:

Dr N. S. Church, Secrétaire
Société Entomologique du Canada
aux soins de: Station de Recherches
Agriculture Canada
Saskatoon, Saskatchewan
S7N 0X2

Bourse d'études post-graduées — Une Bourse d'études post-graduées d'un montant de \$500.00 sera accordée pour 12 mois à un étudiant en première année de travaux de recherches entomologiques au Canada.

Éligibilité — Au moment où il fait sa demande, le candidat doit être ou bien un citoyen canadien ou un émigrant reçu résidant au Canada. Un émigrant reçu doit avoir un degré universitaire en sciences d'une université canadienne. La Bourse ne sera accordée que lorsque le candidat aura soumis un dossier démontrant qu'il est enregistré aux études post-graduées, pour l'année académique 1976-77, et que son programme établi en vue d'un diplôme supérieur lui donne tous les privilèges rattachés au statut d'étudiant post-gradué. À défaut de ce dossier, la Bourse sera annulée. Avant de recevoir sa Bourse, le doyen de l'école des gradués aura soumis par écrit un témoignage d'authenticité du programme d'études et de statut de l'étudiant. Un étudiant qui s'inscrit en vue de compléter l'obtention de crédits ne peut pas faire une demande pour la Bourse de la S.E.C. Si la bourse était accordée à un candidat qui n'aura pu obtenir son admission à une école de gradués, celle-ci sera annulée.

Endroit — La Bourse ne peut être obtenue qu'au Canada. Le candidat pourra s'inscrire à l'université de son choix. La Bourse prendra effet en mai 1976 ou plus tard sans excéder la date du début de l'année académique.

Method of Application — The Entomological Society of Canada Postgraduate Award will be granted in March. Candidates should submit a properly completed application form, together with supporting documents, in accordance with the instructions printed on the application form. Applications must be received by the Secretary of the Society not later than 15 December 1975.

Regulations

Demonstrating and Instructing — The Award holder is permitted under normal circumstances to demonstrate or instruct for a maximum of 200 hours per annum, provided that the head of his or her department considers it desirable and that it does not hinder the progress of his or her work. The Award holder may accept remuneration for such work at the rate in effect at the university concerned.

Emolument from Other Sources — Apart from demonstrating and holidays, an Award holder will devote his or her whole time to study and research and will not undertake any paid work, but he or she may hold another award or scholarship.

Transfers — After the Postgraduate Award is made, any change in the course of study or in the university of tenure requires prior approval of the Entomological Society of Canada Scholarship Committee. A request for permission to transfer must be supported by statements from each department head concerned.

The Award is made on condition that the winner engage in a program of graduate studies and research for an advanced degree in entomology. Students who, after receiving the Award, decide to transfer to a graduate program not in entomology cease to be eligible and their Award will be cancelled.

Absence Through Illness — If, on account of illness, an Award holder is absent continuously for more than two weeks, the Scholarship Committee of the Society should be notified.

Payment of the Award — The Award will be paid in January 1977 on receipt of a report of satisfactory progress from the supervisor.

Additional Allowances — The Award stipend is all-inclusive. There is no provision for additional grants by the Society for any purpose. Additional grants, for example, to attend meetings, pay course fees, meet publication costs, etc., will not under any circumstances, be authorized.

Formalités de la demande — La Bourse sera accordée en mars. Les candidats devront soumettre leur candidature à l'aide du formulaire approprié et y ajouter tous les documents requis sur la formule de demande. Les demandes devront être reçues par le Secrétaire de la Société au plus tard le 15 décembre 1975.

Règlements

Démonstration et cours — Le boursier pourra dans des circonstances normales donner des séances de cours ou de démonstration jusqu'à un maximum de 200 heures par année pourvu que le chef de son département en exprime le désir et considère que ces tâches additionnelles n'iront pas à l'encontre du progrès de l'étudiant. Le boursier peut accepter une rémunération au taux normal à l'université où il se trouve.

Autres sources de revenus — Sauf pour fins de démonstration et les jours de congé, le boursier devra consacrer tout son temps à l'étude et à ses recherches et n'accepter aucune autre rémunération, mais pourra jouir d'une autre bourse ou d'un prix.

Transfers — Après acceptation de la Bourse, tout changement dans le programme d'études ou déplacement vers une autre université devra recevoir au préalable l'approbation du Comité de la Bourse de la S.E.C. Une telle demande doit être accompagnée de documents provenant des deux chefs de départements concernés.

La Bourse est accordée pour poursuivre des études du 2^e ou 3^e cycle conduisant à l'obtention d'un grade en entomologie. Les récipiendaires de la Bourse qui décideront de changer d'orientation pour d'autres disciplines que l'entomologie deviendront inéligibles et se verront retirer leur bourse.

Absence pour maladie — Si, pour des raisons de maladie, un boursier d'absente pour plus de deux semaines, il doit en informer le Comité de Sélection de la Société.

Paiement de la Bourse — Le paiement de la Bourse se fera au cours de janvier, 1977 sur réception d'un rapport satisfaisant du professeur du boursier.

Frais supplémentaires — La Bourse consiste en un montant total. Il n'y a pas d'autres formes de prix accordés par la Société. Des frais supplémentaires pour assister, par exemple, aux réunions scientifiques, ou pour frais de cours, publications, etc., ne sont autorisés pour aucune raison.

BY-LAWS COMMITTEE

The Society presently operates under By-Laws adopted in 1969 (Bulletin 2(1): 9-13). Revision has been necessary to overcome some restrictions and to include new matters. The proposed revision is printed as an insert in this issue for consideration by the members in advance of a mail ballot. Address your comments to:

Dr. N. S. Church, Secretary
Entomological Society of Canada
Research Station, Agriculture Canada
Saskatoon, Saskatchewan S7N 0X2

The principle changes are:

1. Student members are given the right to vote and hold office (IV:4).
2. Fellows are included as a class of membership (IV: 5a).
3. Affiliation is given a separate status other than as a class of membership and is subject to Board approval before being voted on by the members (VI).
4. The Secretary, Treasurer, and Editor, who have had no vote on the Governing Board, are not described as members of the Board (VII:1).
5. The officers constitute an Executive Council which runs the affairs of the Society between meetings of the Board, thereby sharing the responsibilities with the President (VIII:1).
6. The members of the Managing Council are described as Trustees because they do not work as a council. The Editor of the Bulletin and any other full editors that may be required are included among Trustees (X).

Antony Downes, Douglas Eidt
Edward Kettela, Ellen MacGillivray (Chairman)

INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

Required six months' notice is given of the possible use of plenary powers by the International Commission on Zoological Nomenclature in connection with the following names listed by case number: (see Bull. zool. Nom. 32, part 1, 27th March 1975)

1079. *Forcipomyia* Meigen, 1818 (Insecta, Diptera): designation of type-species.
1892. Ruling on the stem of the family-group name based on *Sphaerius* Waltl, 1838 (Insecta, Coleoptera)

Comments should be sent in duplicate, citing case number, to the Secretary, International Commission on Zoological Nomenclature, c/o British Museum (Natural History), Cromwell Road, London SW7 5BD, England. Those received early enough will be published in the Bulletin of Zoological Nomenclature.

HOWARD LOOMIS SEAMANS 1891-1974



Hod Seamans (left) being presented with a certificate of merit by H. L. Trueman with R. Glen looking on.

Howard Loomis Seamans, former Head, Field Crop Insect Unit of the old Entomology Division, from 1944 to 1956, died 17 December 1974, in Ottawa, after a brief illness. Born in Wawatosa, Wis., he graduated from Montana State College in 1916. In 1921, he was appointed officer-in-charge of Agriculture Canada's entomological laboratory at Lethbridge, Alta. In 1944, he left Lethbridge to become head of the department's field crop insect unit in Ottawa. From 1946 to 1952 he was also in charge of livestock insect investigations. He retired in 1956.

In 1938, Hod was awarded the Professional Institute Medal for meritorious achievement. His contribution to the knowledge and control of the pale western cutworm was specifically cited.

C. W. Farstad gave a very good write-up on Hod's achievements (see the Entomology Division Newsletter 35(2), February 1957) and rather than repeat much of this information I want to give a more personal side of Hod's life.

At Lethbridge, Hod and his wife Mildred Anne (Mick to her many friends) took up residence in a roomy upstairs suite two blocks from the office. It was Hod's habit to drive to the office thereby reserving his walking for the golf course; he justified driving on the basis that he might be, and often was, called to investigate an insect problem in the country or city. A lover of cats, Hod and Mick had several and used to let them outside by lowering them out the window in a basket on a rope. When Hod or Mick rang a bell the cats jumped into the basket ready for the upward trip.

I first met Hod during the summer of 1927 when I was a summer student in the livestock section of the Experimental Farm at Lethbridge. Hod encouraged me to apply for summer work with him the next year and thus my long and close association with Hod began in 1928.

Hod had an excellent and logical mind and he was a good teacher without making it obvious. His best teaching was by example since he never asked anyone to do something he would not do himself. Usually he built his theories

soundly; however, occasionally he had flashes of genius that usually stood the test of time. If they didn't he discarded them. Whenever younger members of the staff suggested how a job might be done Hod's advice was "Try it and see". These characteristics made Hod the good research man he was.

Hod's promotion to administrative duties in Ottawa was good for that area of work, but as it so often happens, it left the research area the poorer.

After retiring from the Department in 1956, Hod continued a heavy golfing schedule during the summer and bowling during the winter.

In 1962 Hod was awarded an honorary L.L.D. degree by the University of Alberta at Calgary. He and Mick drove west for the occasion and took the opportunity to visit relatives and old friends in Montana.

Those who remember Hod will affectionately recall that he was never without a sack of Bull Durham in his shirt pocket and he developed quite an expertise at rolling western style cigarettes. With Hod's death, Canada has lost one of its pioneer entomologists and many of us have lost a trusted friend. Mick continues to reside at 581 Fraser Avenue, Ottawa.

George Manson

BEP

1975 JOINT MEETING
Canadian Botanical Association
Entomological Society of Canada
Canadian Phytopathological Society
Entomological Society of Saskatchewan

Make firm plans now to attend and participate in the BEP JOINT MEETING at the University of Saskatchewan in Saskatoon on August 18-22!

Remember that the program includes:

1. Specially invited keynote speakers.
2. A special interest group on "Improving extension effectiveness: a new look at philosophy and methods".
3. A discussion group on "The integrated control of insects, plant diseases and weeds".
4. Sessions of submitted papers.
5. Field trips, a photo salon, a book display, and social functions.

Should you have any enquiries about the August meeting, the mailing address is:

BEP 1975 Joint Meeting,
Sub Post Office 6,
Saskatoon, Saskatchewan,
S7N 0W0.



NOTICE OF MOTION: Withdrawal from B.C.C.

The Entomological Society of Canada has been a member of the Biological Council of Canada since 1966. A strong element of our membership has always questioned the value of belonging to an umbrella organization such as the BCC and, recently, more and more of our members have been questioning the allocation of a substantial part of our membership fee to support of the BCC. The Governing Board has discussed the value of membership in the BCC several times in the past few years. It was the general concensus that cooperation among biologists and biological societies in Canada is essential, that the BCC might eventually fill this need and that it should be given a chance to overcome its growing pains. The Governing Board also recognized that part of the responsibility for success or failure of the BCC lay with its member societies. The ESC therefore adopted a policy of appointing some of its most eminent and capable members as representatives to the BCC and also suggested projects which the BCC might undertake. The Governing Board felt that in this way it would be possible for it to assess the value of the BCC to our Society.

The Board has been assessing the performance of the BCC annually for the past three years and has been disappointed with its performance. We have felt that it has not been particularly successful in stating or accomplishing its goals and objectives. A major concern has been the lack of communication between the BCC and its member societies. We envisaged the BCC as an umbrella organization which would encourage closer cooperation among its member societies. Our impression, however, is that it has tended to operate as a separate entity. Also one of the major arguments in favour of membership in the BCC was that it would speak with "one voice" for Canadian biologists. This it has failed to do. After assessing the situation for several years the Governing Board unanimously concluded that the BCC shows little promise of becoming either an effective spokesman for biologists or an effective vehicle for cooperation among biological societies in Canada. Under the circumstances the Governing Board felt that it could no longer justify commitment of a significant portion of our members' fees in support of the BCC and we resigned from it effective 31 December 1974. Our BCC fees were paid in full to that date.

The Governing Board still feels that communication and cooperation among biological societies in Canada is essential. However, we feel that this can be done more effectively through direct contact with our sister societies. On behalf of the Governing Board and the membership I have written to the presidents of other biological societies in Canada stressing our desire to co-operate on all matters of mutual interest. An example of our interest in cooperation is the joint meeting of the Entomological Society of Saskatchewan, the Entomological Society of Canada, the Canadian Botanical Association and the Canadian Phytopathological Society being held in Saskatoon this August.

The decision of the Governing Board to withdraw from the BCC is subject to ratification by our membership and the matter will be brought up before the Annual Meeting in Saskatoon in August.

C. R. Harris
President

TIRELESS WORKER RETIRES



Douglas D. Pond has retired from the Research Station at Fredericton, N.B. after an active entomological career that spans more than 35 years. His retirement was effective 6 January 1975.

Doug apparently acquired his keen interest in the insect world while a student at Nova Scotia Agricultural College, because shortly after returning to Fredericton in 1938 he signed on as an extra hand with the Forest Insect Laboratory. The following year he was appointed as Agricultural Assistant, in which capacity he served for the next few years, except for time out to complete his B.Sc.F. degree at U.N.B. in 1942. In November 1943 he resigned to serve a two-year stint as navigator with the R.C.A.F., and on his return he for-

sook the forests to accept the challenge of agricultural entomology.

A tireless worker, Doug can now look back with pride to a formidable array of projects and studies which included the potential of insect resistance in rutabagas, the screening of innumerable pesticide formulations, the damage potential of potato flea beetles, and the life history and control of a variety of insect pests of vegetable and grain crops. His wide experience as an extension entomologist put him in constant demand for identification of household and incidental pests as well. He was an active member of the Entomological Society of Canada and the Entomological Society of America, a past president of the Acadian Entomological Society, and he served in varying capacities on several crop protection committees in the Atlantic Provinces.


Doug's private life has been similarly filled and fulfilling. A staunch supporter of community affairs and church activities, he has also achieved some stature as a local historian. He attained the Gilwell level, the highest, in the Boy Scout Movement and was recently awarded the Medal of Merit by this association for his many years of outstanding service. He and his lovely wife, Olga, having launched a family of five, now look forward to such things as hobbies, travel, and just plain relaxing.

G. W. Wood

CANADIAN ENTOMOLOGIST 100 YEARS AGO

I hardly need an apology for presenting from time to time to the entomological public descriptions of galls of *Cecidomyia*, even when I did not succeed in rearing the fly. Such observations, unless published soon, are very apt to be lost; once published, they gradually accumulate and furnish a welcome material for the future monographer. To facilitate reference, I give here a list of my previous publications on the galls of North American *Cecidomyia*: — . . .
C. R. Osten Sacken (7:201)

HENRY HURTIG HONOURED



An international tribute was paid to the late Dr. Henry Hurtig at the plenary session of the Third International Congress of Pesticide Chemistry in Helsinki, Finland. The scientific program and publications of the Congress was dedicated to Dr. Hurtig.

In addition to the dedication of the program, a Congress Commemoration medal was awarded posthumously to Henry. Designed by a leading Finnish artist, the first medal struck went to the President of Finland, while the second medal was awarded to Dr. Hurtig. The announcement of the dedication was made by the Chairman, Professor Pekka Koivistoinen.

The bronze medal depicts on one side a pollution stricken world, while on the other is depicted a pollution-free world.

Recently, at a special ceremony, Dr. B. B. Migicovsky, Director-General, Agriculture Canada Research Branch, conveyed the tribute of the Congress to Henry's widow Dorene, and presented to her the medal awarded to her late husband.

At the time of his death in December 1973, (*Bulletin* 6:24) Henry Hurtig was Research Coordinator for environmental quality.

BOOK REVIEW

Artificial Diets for Insects: A Compilation of References with Abstracts (1970-72), by Pritam Singh. 1974. New Zealand Department of Scientific and Industrial Research, Bulletin 214. A. R. Shearer, Government Printer, Wellington, New Zealand. 96 pp. NZ \$2.00.

Insect dietetics is a very active field, as artificial diets for insects continue to be used more than ever for many purposes in entomology. Descriptions of artificial diets are not always easy to locate because they usually are submerged in papers on various subjects in various places. Therefore, everyone interested in artificial diets for insects and mites will find this bulletin by Dr. Singh very handy as a recipe book and as a literature review. Much like its namesakes by House (1967) and House, Singh, and Batsch (1971) (*Information Bulletins* No. 5 and 7, respectively, Research Institute, Agriculture Canada, Belleville, Ontario, Canada), this new bulletin presents concise descriptions and accounts of published diets for insects and a few for mites. It includes 165 diets published between May 1970 and December 1972, as well as a few prior to 1970 that were overlooked in the previous bulletins.

Each abstract gives the kinds and amounts of the ingredients used in the preparation of each diet, and often describes briefly the technique of preparing the diet. Details on how well a given species performed on each diet are given when available, otherwise no evaluation is attempted. The abstracts include seven orders. Families and genera within the orders are arranged alphabetically, with diets for each species listed chronologically. Those concerning mites are located after the insect orders. Generic and specific names used are those approved by the Entomological Society of America. Moreover, there are three appendices; namely, (1) references to general reviews of insect diets and nutrition, (2) references to work on the effects of antimicrobial food additives on insects,

and (3) the composition of various salt and vitamin mixtures commonly used in insect diets.

Thus, the present bulletin brings together a large number of new additions to the rapidly increasing and proliferating list of diets for insects. In fact, it and its Belleville predecessors can fit together nicely as a series. This attractive bulletin is soft-covered, about 21 x 30 cm, nicely done, and is reasonably free of errors. It will be very useful to students as well as to seasoned researchers.

H. L. House
Agriculture Canada, Smithfield, Ont.

FORTHCOMING MEETINGS

- Pacific Branch ESA, 24-26 June 1975, Thunderbird Motel, Jantzen Beach, Portland, Oregon.
- American Arachnological Society, 24-26 June 1975, Central Missouri State University, Warrensburg, Missouri 64093. W. B. Peck, Coordinator. Theme: Phylogeny of the Arachnids.
- Canadian Federation of Biological Societies. 24-27 June 1975, University of Manitoba, Winnipeg.
- Canadian Society of Zoologists, June 1975, University of Guelph.
- Phytochemical Society of North America, 4-7 August 1975, University of South Florida, Tampa. Symposium topic: Physiology and Biochemistry of Plant-Insect Interaction.
- Seventh International Biometrical Congress, 17-23 August 1975, University of Maryland, College Park, Md.
- The Canadian Botanical Association, 18-21 August 1975, Saskatoon.
- Canadian Phytopathological Society, 18-21 August 1975, Saskatoon.
- Entomological Society of Canada, 18-21 August 1975, Saskatoon.
- VIII International Plant Protection Congress, 21-27 August 1975, Moscow, USSR.
- Eastern Branch ESA, 1-3 October 1975, Ben Franklin Hotel, Philadelphia, Pennsylvania.
- Entomological Society of America, 30 November-4 December 1975, Marriott Hotel, New Orleans, Louisiana.
- Southeastern Branch ESA, jointly with the Entomological Society of America in New Orleans.
- Southwestern Branch ESA, 10-12 February 1976, Oklahoma City, Oklahoma.
- North Central Branch ESA, 25-27 March 1976, Kellogg Center, East Lansing, Michigan.
- North American Benthological Society, jointly with the North Central Branch ESA at East Lansing.
- XV International Congress of Entomology, 19-27 August 1976, Washington, D.C., U.S.A.

EMPLOYMENT

The Entomological Society of Canada maintains a list of employment opportunities in Canada for members, and has an employment office at annual meetings of the Society. Positions wanted and available are published in the *Bulletin*. Forms for the use of prospective employers and employees are available on request. Those seeking employment through and filing curricula vitae with the Employment Committee will please indicate their membership in the ESC.

Please direct all inquiries and correspondence to: A. G. Robinson, Chairman, Employment Committee, Entomological Society of Canada, Department of Entomology, University of Manitoba, Winnipeg R3T 2N2.

Do not direct inquiries to the *Bulletin*.

LOCKWOOD CONFERENCE PERSPECTIVES OF FOREST PEST MANAGEMENT

The Connecticut Agricultural Experiment Station, New Haven, Conn.
15-17 October 1975

The Connecticut Agricultural Experiment Station is holding a 2 1/2 day Conference on forest pest management to commemorate, in part, its founding 100 years ago as the first State Agricultural Experiment Station. Invited speakers from various institutions will participate in the Conference. One or two short presentations will be given by Connecticut Agricultural Experiment Station scientists after each invitation speaker. The topics and invited speakers are as follows:

Changes in Eastern Forests Since 1600 and Possible Effects

David M. Smith, Yale University, New Haven.

Management of the Forest

Fred B. Knight, University of Maine, Orono.

Towards Integrated Control of Forest Pests in Europe

J. M. Franz, Institut für Biologische Schädlingsbekämpfung, Darmstadt.

Applying Behavioral Studies in Entomological Problems

W. G. Wellington, Institute of Animal Resource Ecology, U.B.C., Vancouver.

Pheromones of Lepidopterous Insects

Wendell L. Roelofs, NY State Agricultural Experiment Station, Geneva.

Pheromones of Bark Beetles

Robert M. Silverstein, State University of New York, Syracuse.

Theory Underlying Introduction of Exotic Parasitoids

P. S. Messenger, University of California, Berkeley.

Ecology of Insect Viruses

Y. Tanada, University of California, Berkeley.

Entomology and the U.S. State Agricultural Experiment Stations

Kenneth L. Knight, North Carolina State University Raleigh.

A cordial invitation is extended to entomological colleagues and friends to participate in the program.

For additional information, contact John F. Anderson, Head, Department of Entomology, Connecticut Agricultural Experiment Station, P. O. Box 1106, New Haven, CT 06504.

PERSONALIA

John A. Nelson was recently hired as Vector Control Officer for Municipal District No. 43, near Vancouver, B. C. Mr. Nelson has 2 year's experience in mosquito control in the Yukon Territory and is currently completing a Master's Degree in Pest Management at Simon Fraser University.

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D. K. McE. Kevan, Department of Entomology, Macdonald College P.Q., ESC President 1973, has been honored as a Corresponding Fellow of the Entomological Society of Finland.

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Dr. F. E. Webb has been appointed Special Advisor to the Deputy Minister of Natural Resources, Province of New Brunswick with his office in Fredericton. He will have a particular responsibility to advise on matters concerning the spruce budworm, New Brunswick's number one silvicultural problem. Frank has many years of experience working with the spruce budworm, the assessment of both natural and artificial controls, and in directing the research program of the Maritimes Forest Research Centre.

G. B. ORLOB

We regret to announce the recent death of G. B. Orlob of Ashburn, Ontario, a member of the E.S.C. the past three years. The sympathies of the members and Governing Board have been made known to Mrs. Orlob by letter.

BOOK REVIEW

A Bibliography and a Keyword-in-Context Index of the Ceratopogonidae (Diptera) from 1758 to 1973. William R. Atchley, Willis W. Wirth, and Charles T. Gaskins. 1975. Published by Texas Tech University, Lubbock, Texas. Paper cover, 300 pp. \$4.00.

This valuable reference work consists of a bibliography and KWIC index relating to all aspects of the study of the biting midges (Ceratopogonidae). It contains no less than 1950 citations, from the beginnings of systematic work up to 1973. Very little, however, was written on these insects before 1900, and it is still somewhat unsatisfying that such a large majority of the papers relate only to *Culicoides* and *Leptoconops*, the blood suckers of vertebrates, to the neglect of the numerous other genera with their complex problems of classification and behaviour, and probably very real environmental significance.

There are a few imperfections, as is only to be expected in a first bibliography of such a large group. Omissions are not hard to find, and here and there an error in a citation. The code that serves to connect the KWIC index to the citations in the bibliography is not derived exactly as explained. But the authors are to be congratulated on a conspicuous service both to the field and to colleagues in all parts of the world; and we look forward with gratitude also to the promised supplements.

Antony Downes

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