



Entomological Society of Saskatchewan Inc.

VOLUME 20 NUMBER 1 ESS NEWSLETTER FEBRUARY 15, 1999

**Editors: Wayne Goerzen and Lorraine Braun
107 Science Place, Saskatoon, SK S7N 0X2**

IN MEMORIUM

Dr. R. J. (Jan) F. Smith (1940-1998)

Dr. Jan Smith, a member of the Biology Department since 1967, died suddenly on 31 October, 1998, while attending a conference in Lund, Sweden. Jan had played a full roll in the Department as a teacher, researcher and administrator. He developed senior undergraduate courses in Animal Behaviour and Ichthyology, and offered a range of specialist graduate seminar and reading courses in these areas. In addition, he participated in the teaching of undergraduate zoology, population biology and general biology to first- and second-year undergraduates.

Jan's research in the area of fish behaviour encompassed a range of topics, including migration, courtship, and predator-prey relationships, but he was especially known for his seminal studies on 'alarm substance' and other chemicals that indicate 'risky environments'. As its Head from 1988-1994, Jan guided the Department through some of its most difficult years, showing remarkable strength, ingenuity, fairness and compassion. In 1996, this and his many other contributions were recognised by his appointment as Rawson Professor of Biology, a title acknowledging an individual who has given outstanding service to the Department.

Jan will be sorely missed by his wife, children, and numerous colleagues, students, post-doctorals and other research collaborators.

Cedric Gillott, Professor
Department of Biology
University of Saskatchewan

Entomological Society of America Annual Meeting

Several scientists from Saskatoon Research Centre attended the Joint Meeting of the American Phytopathology Society and the Entomological Society of America, held in Las Vegas 8 - 12 Nov. 1998. Symposia of joint interest included: "Genomics Research and Its Application for Crop Protection", "Ecologically Based Pest Management: Progress Report", "Aerial Dispersal of Pests, Diseases, and Their Natural Enemies: Implications for the Development and Deployment of Integrated Pest Management Strategies", "Molecular Signalling in Plant Interactions with Pests and Pathogens", and "Sampling for Decision Making in Crop Loss Assessment and Pest Management".

At the Informal Conference entitled "Biological Control in Insect and Plant Pathogen Systems", Peter Harris, recently retired from Lethbridge Research Centre, received the IOBC Distinguished Biological Control Scientist Award, after a gentle roasting by Judith Meyers. Six scientific presentations on various systems using Biological Control were followed by the IOBC mixer where participants had an opportunity to toast Peter.

A workshop entitled "Continental Overview of Lygus: New Threats from an Old Pest and Control Strategies for the Future" included presentations from scientists from Canada (Bob Footitt, Rick Butts, Peter Mason) and the USA and Europe and provided a good opportunity to compare notes and plan strategies for a coordinated research effort on Lygus.

Also of interest to Entomologists was a Symposium entitled "Host Plant Defense as an Emergent State: A Memorial to Sean S. Duffey". Excellent presentations were given, many with stories and photos of Sean Duffey, and how he influenced the scientists and their research.

News from Insect Biocontrol at AAFC, Saskatoon Research Centre

The Insect Biocontrol Program at AAFC-SRC welcomes Dr. Qianjun Li, a post-doctoral fellow working with Martin Erlandson. Qianjun (he goes by the name 'Chen') is working on development of recombinant baculoviruses for control of bertha armyworm and diamondback moth.

Stephanie Harris is back to begin a three year term position with Lorraine Braun, working on egg parasitoids of bertha armyworm, and Renie Traiforos is working in a term position on efficacy of BT against flea beetles and bertha armyworm for Martin and Lorraine.

**Entomological Society of Saskatchewan
Annual Meeting
April 22, 1999 - 1:00 p.m.
Saskatoon Research Centre
107 Science Place, Saskatoon**

Tentative Agenda

1. Call to Order - L. Braun
2. Introductions
3. Approval of Agenda
4. Minutes of Fall Meeting, October 23, 1998
5. Business Arising from Minutes
 - 5.1 Oilseed Pests Video - Financial Statement; Millennium Fund application
 - 5.2 ESS-ESC 1999 joint meeting - D. Hegedus
Regional Director: O. Olfert
General President: L Braun
Treasurer: L. Braun
Local Arrangements Chairman: W. Goerzen, K. Moore
Subcommittees:
 1. Meeting Accommodation: W. Goerzen and K. Moore
 2. Associates Program: L. Grenkow and M. Braun
 3. Audio-Visual Aids: D. Baldwin and B. Galka
 4. Banquet/receptions: W. Goerzen, K. Moore and O. Olfert
 5. Conference Photographs: S. Hartley
 6. Finance Soliciting: L. Harris, D. Hegedus and G. Khachatourians
 7. Registration: J. Soroka and L. Braun
 8. Printing: D. Hegedus
 9. Publicity: D. Hegedus
 10. Tours: M. Erlandson and M. BraunScience Program: B. Elliott and C. Gillott
Symposia:
 - 1) Pest Forecasting: O. Olfert
 - 2) Bio-rational Pest Control: G. KhachatouriansWorkshops:
 - 1) Lygus: B. Foottit
 - 2) Preparing and Writing Grant Applications: Student Affairs
 - 3) Internet Resources for Entomologists: M. Gruber
 - 4) Leafhopper
6. Treasurer's Report - D. Hegedus
7. Secretary's Report - L. Grenkow
8. Newsletter Report - W. Goerzen
9. Regional Director's Report - O. Olfert
10. Committee Reports
 - 10.1 Amateur Encouragement - B. Galka
 - 10.2 Proceedings and Archives - K. Roney
 - 10.3 Honours and Awards - A. Davis
 - 10.4 A.R. Brooks Award - A. Davis, B. Chapco, G. Khachatourians
 - 10.5 Microscope: J. Kozial
 - 10.6 Slide library: D. Peshchken
 - 10.7 ESS Membership: J. Tranberg, L. Jeffs, C. Franke
 - 10.8 Nominations - Scott Hartley
11. New Business
E.S.S. Fall Meeting - L. Braun
12. Adjournment

MINUTES OF THE E.S.S. 1998 FALL MEETING

AGRICULTURE CANADA RESEARCH STATION, SASKATOON

13:30, October 23, 1998

PRESENT: Alf Arthur, Lorraine Braun, Murray Braun, Art Davis, John Doane, Bob Elliott, Martin Erlandson, Coreen Franke, Brian Galka, Larry Grenkow (Secretary), Lloyd Harris, Scott Hartley (President), Dwayne Hegedus, George Khachatourians, Chrystal Lefol, Keith Moore, Owen Olfert, Paul Reigert, Juliana Soroka.

1. **Call to order** at 13:30 by President Scott Hartley.

2. **Introductions** were made and new members were welcomed.

3. **MOTION:** L. Braun/Soroka. THAT the agenda as amended be approved. **CARRIED.**

4. **MOTION:** Riegert/Harris. THAT the minutes of the Spring Meeting, April 08, 1998, be accepted as circulated. **CARRIED.**

5. **Business arising from the minutes**

5.1 ESS-ESC 1999 Joint Meeting - D. Hegedus

A block of rooms at the Radisson Hotel, Saskatoon, is booked for the end of September and meeting rooms are reserved that can hold 150-200 people. Though in its infancy, soliciting for finances is underway. Revenue sharing from the joint meetings was revisited briefly before recalling that a decision had been made at the E.S.S. 1997 fall meeting. (Secretary's note - The following excerpt from K. Moore's Regional Director's Report in the minutes of the 1997 fall meeting, is the reference to a revenue sharing formula. "There is currently no 'official' E.S.C. annual meeting revenue sharing formula. It is my recommendation that an E.S.S. representative negotiate this on behalf of the society in preparation for the 1999 meeting. The current E.S.C. preference is to forward \$4000 as start-up funds, with \$2500 repayable in full with any net profit beyond this amount split 50:50".)

The proposed theme for the meeting, "Managing the Millennium Bug (Latin Translation) is open to suggestions. A lygus workshop will be held on Sunday afternoon. Proposed symposia are "Forecasting" on Tuesday morning, and "Biotechnology" on Wednesday morning. Afternoons are available for paper sessions and further workshops. Entertainment and guest speakers are still to be determined.

5.2 Oilseed Pests Video - Lloyd Harris

Filming of the video series is completed and the process of selling the videos is now underway. This year about \$16,000 of video tapes have been sold. The Saskatchewan Department of Education is interested in 4 of the 5 videos. Lloyd is also negotiating with the Manitoba and British Columbia departments of education, and is approaching pesticide and grain elevator companies, to distribute the video to them.

He may provide advertising to insert in the information brochures to be mailed out for the joint meeting. The project is currently \$20,000 in debt. A bill for \$1,400 to pay the music royalties, and other bills totalling \$5,000 have been received but Lloyd is not yet able to pay them.

6. Treasurer's Report - Julie Soroka

See Appendix A.

MOTION: Olfert/Riegert. THAT the E.S.S. pay all bills submitted (\$1,400 & \$5,000) for the oilseed pest video, rather than incur further debt. **CARRIED.**

MOTION: Soroka/Khachatourians. THAT the treasurer's report be accepted as circulated. **CARRIED.**

7. Secretary's Report - L. Grenkow

Preparing spring and fall agendas, taking and typing minutes, and helping with mailing of the newsletter continue to be the main tasks undertaken. Documents were received from two graduate students, Mr. Greg Litzenberger and Mr. Bryan Ulmer, who wish to be considered for the ESS Brooks Memorial Scholarship. I have corresponded with Art Davis, the new chair of the Honours and Awards Committee, and referred him to Owen Olfert for advice on administering the awards. Art Davis reports that he has a graduate student who will apply for the Brooks Scholarship award. October 01 is the formal deadline for receiving applications.

MOTION: Davis/Harris. THAT the report be accepted. **CARRIED.**

8. Regional Director's Report - Owen Olfert

Over the past six months I have been involved in preparing for the Joint Meeting between ESC and ESQ in Quebec City. I have drafted a report of behalf of ESS and will be attending the meeting and presenting it at that time. Other activities have included participation in the two ESC committees that I am a member of: Science Policy and Education and Membership Committees. The chairman of the Membership Committee requested a copy of membership lists of the regional societies in order to promote membership in ESC. The ESS membership list has been forwarded to the chairman and ESS members can expect to receive an invitation to join ESC.

MOTION: Olfert/M. Braun. THAT the report be accepted. **CARRIED.**

9. ESS Committee Reports

9.1 Student and Amateur Encouragement - Brian Galka

The Chairman of the Amateur and Youth Encouragement Committee reports that since 06 April, 1998, the Entomological Society of Saskatchewan (ESS) has participated in three public displays. Brian Galka visited Douglas Provincial Park on August 15 and showed two videos about insects, answered questions from an audience of about 12 people, and went on a trail hike with the group to search for insects and insect damage. The following day, Brian Galka gave a presentation at Saskatchewan Landing Provincial Park to an audience of approximately 15 people.

The group subsequently went on a 1.0 km hike in search of insects and related damage. On September 15, B. Galka visited River Heights School and discussed a variety of entomological topics with a grade two class which is rearing silkworms. A 15 minute video, produced by B. Galka, of the John G. Powers Collection which passed through Saskatoon in March of this year, was shown to the River Heights class. Videos on insect collection and identification were shown to the provincial park groups. These videos, along with the ESS book collection are available, free of charge, to those seeking entomological material for their own or group usage. Sign-out sheets and materials are currently located in SB23 at the Agriculture and Agri-Food Canada Research Station in Saskatoon.

I'm very pleased to see that there is a high level of interest in the public schools in and around Saskatoon, and generally throughout the province. In 1999, our Society can expect many more invitations to classrooms, shopping malls, and GardenScape. I look forward to a great year for the Society.

9.2 Proceedings and Archives - Keith Roney

The 1997/98 Proceedings will be issued shortly. Input and suggestions for improvement are welcome.

9.3 A.R. Brooks Award - Art Davis, Paul Riegert, George Khachatourians

This year there were three applications submitted for consideration for the Arthur R. Brooks Memorial Prize in Entomology, awarded annually by the Entomological Society of Saskatchewan (E.S.S) to a suitable graduate student enrolled in the college of Graduate Studies at either the University of Regina or the University of Saskatchewan. Our gratitude is extended to this year's Selection Committee, which consisted of Prof. George Khachatourians (Department of Applied Microbiology and Food Science, University of Saskatchewan; immediate Past President of E.S.S.), Prof. Emeritus Paul Riegert (Department of Biology, University of Regina) and Dr. Dwayne Hegedus (Agriculture and Agri-Food Canada, Saskatoon Research Station). This year's recipient of the Brooks Memorial Prize is Greg Litzenberger, who is pursuing an M.Sc. degree under supervision by Prof. Bill Chapco, Department of Biology, University of Saskatchewan.

Art Davis and Bill Chapco stepped down from the selection committee due to conflict of interest.

9.4 Slide Library - Diether Peshchken's report is attached as Appendix B.

9.5 ESS Membership - Coreen Franke

See Appendix A. Coreen will approach prospective members at Innovation Place and in industry, and will update the E.S.S. brochure.

9.6 Nominations Committee - Owen Olfert

Incoming President - Lorraine Braun.

Vice-President - Brian Galka, won by acclamation.

Treasurer- Dwayne Hegedus, won by acclamation.

The past president becomes chair of the next nomination committee.

MOTION: Erlandson/L.Braun. THAT the committee reports be accepted. **CARRIED.**

10. New Business

10.1 Installation of New Executive

Members expressed appreciation to last year's executive for a job well done.

10.2 Spring Meeting - Lorraine Braun

Lorraine proposed that the spring meeting be a day in the first two weeks of April, the final date to be chosen at the discretion of the executive.

10.3 Report on the Fall Field Trip - Julie Soroka

Those who did not attend missed a quiet retreat at Waskesiu. Fall colours were beautiful, the air was cool and calm, and the overall atmosphere was serene as few tourists were present this time of year. Five E.S.S. members and their families, totalling 12 people attended the retreat. Participants hiked two trails. The business meeting comprised discussions of the joint ESS/ESC meeting and the canola video budget, but there wasn't a quorum present to make decisions.

10.4 New Video Material - Lloyd Harris

Lloyd will apply to the Millennium Fund for \$40,000 to produce more video material, and requested permission to submit the proposal on behalf of the E.S.S. Total cost of the project will be \$137,000.

MOTION: Riegert/Galka. THAT the E.S.S. grant the use of the society's name for the purpose of submitting the proposal to the Millennium Fund. **CARRIED.**

11. Adjournment

MOTION: Riegert/Franke. THAT the meeting be adjourned. **CARRIED**

**ENTOMOLOGICAL SOCIETY OF SASKATCHEWAN
MEMBERSHIP AND FINANCIAL REPORT**

1 September 1997 - 31 August 1998

MEMBERSHIP

- Membership was again down in 1997-98, with 46 members in good standing, 40 of which were regular and six of which were student members. In 1996-97 there were 52 paid members in our Society.
- We welcome seven new members to the Society: Elijah Atuku, Dwayne Hegedus, Alejandro Matus, Joseph Onyilagha, Jeanette Pepper, Jennifer Prins, and Shuxia Yi.

ESS GENERAL ACTIVITIES

- As in recent years, our main source of income was from the sale of slides. With the surplus income, another term deposit was purchased. Because our revenues for the year were over \$30,000, an independent audit of our financial records for 1997-98 will be undertaken, as required by the Nonprofit Corporations Act.

CANOLA FILM/VIDEO

- The last of the four videos has been filmed and the project is virtually complete except for final payments. Almost all potential donors have contributed to the project, and income has shifted to sales of the videos.

FINANCE

- The ESS General Account Assets stand at \$19,265.44 in term deposits, \$375.02 in a Maximizer Account, and \$695.82 in the Film Chequing Account. We have an outstanding cheque for \$51.64 for video processing. Final accounts for filming have not yet been received. We have 227 videos on inventory.

Please refer to the enclosed financial statement for further details.

Respectfully submitted,

Julie Sordka

**Financial Statement - Entomological Society of Saskatchewan
1 September 1997 - 31 August 1998**

MAXIMIZER ACCOUNT (ESS)

Receipts:

| | |
|---|----------------|
| Memberships | \$ 492.19 |
| ESC Amateur Encouragement Grant | --- |
| Slide library | 3000.00 |
| Banquet overpayment | 10.40 |
| Interest (CU Maximizer Acc't and Term Deposit Interest) | <u>264.29</u> |
| TOTAL | \$ 3766.88 |

Expenditures:

| | |
|---|---------------|
| Sask. Justice Dep't | \$ 10.00 |
| Annual Meeting | 598.83 |
| Newsletters, Proceedings | 41.25 |
| Scholarship | --- |
| Auditors' Fees | 267.50 |
| Administration (costs applied to newsletters) | --- |
| Bank Charges | <u>4.20</u> |
| TOTAL | \$ 921.78 |

Excess of Receipts over Expenditures \$ 2845.10

Term deposit purchase \$ 5000.00

**Financial Statement - Entomological Society of Saskatchewan
1 September 1997 - 31 August 1998**

CHEQUING ACCOUNT (Canola Insect Video Project)

Receipts:

| | |
|---------------------------------------|------------------|
| Corporate Donations, Green Plan Grant | \$ 10,013.26 |
| Video Sales | 14,825.55 |
| Revenue Canada - GST Rebate | <u>3,451.95</u> |
| TOTAL | 28,287.76 |

Expenditures:

| | |
|-----------------------|---------------------|
| Film Production Costs | \$ 27,907.21 |
| Bank Charges | <u>9.85</u> |
| TOTAL | \$ 27,917.06 |

| | |
|--------------------------------------|-----------|
| Excess of Receipts over Expenditures | \$ 370.70 |
|--------------------------------------|-----------|

| | |
|-----------|-------------|
| Inventory | 227- videos |
|-----------|-------------|