

Word from the President



Dear fellow entomologists,

This year was full of achievements and news from our Society: The Entomological Society of America honored the former President of SEB and current International Delegate, Antônio Ricardo Panizzi, with the “2017 *International Branch Distinguished Scientist Award*”. Plans were made for several endeavors with other entomological societies aiming to build an international agenda to

discuss entomological problems in sustainable agriculture, invasive species, and public health. Siconbiol was a success in attendance and provided a favorable environment for scientific discussions with excellent exchanges among Brazilian and foreign participants. One of the scientific papers published in *Neotropical Entomology*, the best-ranked scientific journal in Latin America, received more than 1,000 downloads. A new Editor in charge for the “Entomology in Focus” series with Springer took place – Simon Luke Elliot, a renowned professor and coordinator of the Postgraduate Program in Entomology at Fe-

deral University of Viçosa (UFV).

We also want to thank all SEB entomologists and partners for being instrumental in the development of the Entomology science in the current year.

We very affectionately send our sincere wishes for Happy Holidays along with success and happiness for the year to come.

Fraternal hugs,
Eliane D. Quintela
President

Activities of the Board

Instruction Manual for Organization of Events

Members of the Board of Directors of SEB, Eliane Quintela (President SEB), Carmen Pires (Secretary General), Flávia Barbosa (Treasurer), and Eliana Fontes (Editor of NE) met on August 16 and 17 in Santo Antônio de Goiás, to prepare the Instruction Manual for Organization of Events promoted by the SEB, the Brazilian Congress of Entomology and the Symposium on Biological Control.

The objectives of the Manual are to establish standards and procedures for a) the application of entities interested in hosting events; b) organization; and c) accountability. These standards aim the excellence organizational quality and to facilitate the organization of events by organizing committees. The Manual was sent to the Organizing Committee of XXVII CBE to assist in the organization and include supplementary information. When the Manual is finished, it will be forwarded to the SEB Deliberative Council for approval. If you have suggestions to add to the Instruction Manual, please send them to secretaria@seb.org.br

XXVII Brazilian Congress of Entomology and X Latin American Congress of Entomology

The Organizing Committee of XXVII Brazilian Congress of Entomology (XXVII CBE) and X Latin American Congress of Entomology (X CLAE) has already held four meetings with several members to prepare for the congress. The last meeting was held at the Federal University of Santa Maria, Santa Maria, RS, on 09/09/2017. The members of the Organizing Committee including the president of the congress, Jerson V. C. Guedes, as well as SEB’s president, Eliane



From left to right: Flávia Barbosa, Eliana Fontes, Eliane Quintela, and Carmen Pires.

D. Quintela, and Secretary General, Carmem S. Pires participated in the meeting. The venue of the event (ExpoGramado), the organizing agency, the tourist agency, and the location for the dinner banquet were presented and have already been contracted. The website of the event is online at www.cbe2018.com.br and all commissions are mostly defined, as well as the registration fees. In addition, the fund raising projects for the promotion and marketing agencies of the event were finalized. The XXVII CBE and X CLAE will be held from September 02 to 06, 2018, in Gramado, RS. The event has multi-institutional organization, with the Organizing Committee com-

posed of members from the Universidade Federal de Santa Maria (UFSM) (promoter institution); Universidade Federal de Pelotas (UFPeL); Universidade Federal do Rio Grande do Sul (UFRGS); Universidade de Passo Fundo (UPF); Universidade do Vale do Taquari - UNIVATES, Instituto Federal do Rio Grande do Sul (IFRS, Bento Gonçalves); Universidade do Estado de Santa Catarina (UDESC, Lages); Embrapa Wheat; Embrapa Temperate Agriculture, and Embrapa Grape and Wine.

We hope to see you in Gramado for the XXVII CBE and X CLAE 2018!



Organizing Committee of the XXVII Brazilian Congress of Entomology and X Latin American Congress of Entomology



Left to right (front row) Cláudio R. Franco; Uemerson S. Cunha; Adriano A. Melo; Luiza R. Redaelli; Jerson V. C. Guedes; Carmen S. S. Pires; Eliane D. Quintela; Josué Santana; Jáder C. Cardoso; Daniel Bernardi. Back row: Jonas A. Arnemann; Oderlei Bernardi; Noeli J. Ferla; Flávio R. M. Garcia; Marcos Botton; Dori E. Nava e Paulo R.V. S. Pereira.

International Agenda Addressing Major Challenges in Entomology Discussed in Denver, Colorado, USA

During the Annual Meeting of the American Society of Entomology (ESA) in Denver, Colorado, USA, on November 5-8, 2017, an important meeting was held to discuss major challenges in Entomology. The Entomological Society of Brazil (SEB) was represented by its President, Eliane D. Quintela, by the International Delegate, Antônio R. Panizzi, and by the member of the SEB International Section for Central America, Bruno Zachrisson.

The issues discussed to construct an international agenda focused on three main points related to Entomology: sustainable agriculture, invasive species, and public health.

Following this meeting on Sunday, November 5, SEB members reconvened with ESA representatives on November 7 (photo 2) to build a joint agenda to be presented and discussed in Gramado in September of 2018, during the XVII Brazilian Congress of Entomology and IX Latin American Congress of Entomology.

This agenda should be one of the highlights of the programming at the XVII CBE, and the plans are progressing together with the Organizing Committee of the XVII CBE.



From left to right: Michael P. Parrella (ESA President), Bruno Zachrisson (SEB Representative - Central America), Frank Zalom (former ESA President), Antônio R. Panizzi (SEB International Delegate), and Eliane D. Quintela (SEB President).



Participants of the meeting to discuss major challenges in Entomology, including representatives from England, Canada, United States, and Brazil.



Entomology in the Press

Insects as “detectives”

The objective of the “National Science and Technology Week (SNCT)”, promoted by the Universidade Federal de Juiz de Fora (UFJF), was to approach the University and society to democratize academic space and make it increasingly accessible. The lecture given by the researcher Fábio Prezoto “The insect that solved the crime”, held at the Escola Estadual Duque de Caxias, showed, in a fun way, how science can solve every day criminal issues with the aid of insect study.

The researcher spoke about a growing field in entomological studies - the branch of biological science that study insects - which is the domain of Forensic Entomology. This branching enables the study of various types of crimes using insect biology, behavior, and ecology to provide information.

According to the researcher, one of the most interesting functions of Forensic Entomology is to use this knowledge to solve violent crimes. Insect analysis can answer questions such as “How long ago did this death occur?”, “How did death happen?”, “Where did that death occur?” “Some insects only live in urban areas, others in agricultural environments, or in forested areas. So, if one find a body in forested area and if it has insects

common from the city, it can be deduced that this death occurred in the city and the body was taken to the forest. Just the presence of the insect fauna can give an idea of where that death happened,” exemplifies Fábio. In addition, substances (poisons) used to kill a person may prevent some types of insects from appearing in the decomposition of the corpse, which also results in a clue for investigation.

However, the main information that these animals can provide is how long the corpse has been decomposing, it is based on this fact that the circle of investigation is done. The stages of corpse degradation attract different types of insects, which allows the investigator to estimate the time of death from the larvae found in the body. In addition, a person’s



Fábio Prezoto spoke about Forensic Entomology, which applies the study of insects in criminal events (Photo: Twin Alwrenga)

DNA may be recovered from the animal’s ingestion of the corpse’s tissue. These examples are the work of a forensic entomologist biologist who has a direct impact on the resolution of death causes.

For more information, please visit: <http://www.ufjf.br/noticias/2017/10/24/sera-que-insetos-podem-contribuir-na-resolucao-de-crimes/>

From the Associates

Past President of SEB and Honorary Member Received an International Award in the USA

Antônio Ricardo Panizzi, Embrapa entomologist, was honored during the Annual Meeting of the Entomological Society of America (ESA) in Denver, Colorado on November 7, 2017.

Panizzi was chosen to receive the “2017 International Branch Distinguished Scientist Award” from ESA. On this occasion, he presented a lecture entitled “Forty-three years of stink bug research: It’s been fun so far”

The researcher worked most of his 43-years career as an entomologist at the Embrapa National Soybean Research Center in Londrina, PR, and currently works at the Embrapa National Wheat Research Center in Passo Fundo, RS, always studying stink bug pests of major crops. In his long career, he edited 5 books (3 in the USA and 2 in Brazil) and published 141 articles in indexed journals. For more than 25 years, he has been a guest lecturer at the Federal University of Paraná (UFPR), where he teaches a discipline and advises master and doctor students.

At Embrapa, in addition to acting as a researcher, he participated in the Labex Project as a visiting scientist to explore new technologies and implement collaborative research networks with the US Department of Agriculture (USDA) in Peoria, Illinois from 2002 to 2004.

He is currently focused on developing a research project to electronically monitor the feeding behavior and damage by stink bugs using the

equipment known as EPG (electropenetrography). This is considered an important tool to better understand and handle these pests of major crops.

Panizzi was President of the Entomological Society of Brazil (SEB) from 2008 to 2012, Editor-in-Chief of the then Annals of the SEB, today *Neotropical Entomology* from 1993 to 1999, and is an Honorary Member of the Society. He is currently the International Delegate of SEB and a member of the Deliberating Council.



Antônio R. Panizzi (right) receiving the award from the chairman of the International Section of the Entomological Society of America, Megha Panajulee. Award in detail at right.

Entomology in the Amazon

The First Entomology Course in the Amazon (I CEAM) was held during July 17-28, in Manaus, AM. The event was conceived and organized by students of the Postgraduate Program in Entomology of the National Institute of Amazonian Research (INPA), under the coordination of José Albertino Rafael. The aim of the course was to provide basic training for undergraduate students in biological sciences and related areas, who have interest in studying arthropods, mainly insects. The I CEAM addressed the study of arthropods in its various interfaces, from taxonomy, phylogeny, biogeography, ecology, and biology, to more applied areas such as biological control, medical entomology, and the importance of insects as models in the various areas of biological knowledge. The event was attended by 25 participants, from different states, such as Alagoas, Amazonas, Ceará, Distrito Federal, Maranhão, Pará, Paraná, Rio Grande do Sul, Santa Catarina, and São Paulo. In addition to the various lectures and mini-courses, students also had the opportunity to visit the Ducke Reserve, where they learned practices for various methods of collecting insects and other arthropods.

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Online and Printed Journal R\$ 200,00	Online and Printed Journal R\$ 100,00	Online and Printed Journal US\$ 120,00

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