

**Neurotoxicology Specialty Section
Annual Report: 2001 - 2002**

I. Introduction

	<u>2000 - 2001</u>	<u>2001 - 2002</u>
President	William D. Atchison	Merle Paule
Vice President	Merle Paule	Kevin Crofton
Vice President-elect	Kevin M. Crofton	Stephanie Padilla
Secretary/Treasurer	Larry Sheets	Larry Sheets
Councilors	Tomas R. Guilarte (Past President)	William Atchison (Past President)
	Robert C. MacPhail	Richard Seegal
	Richard Seegal	Evelyn Tiffany-Castiglioni
Committees:	Membership:	Janice E. Chambers (1999-2002)
	Program:	Edward (Ted) Locke (1998-2002)
		Timothy Shafer (2000-2003)

2001 - 2002 Annual Meeting: March 26, 2001

II. Activities

Annual Meeting

The Annual Meeting was held at the San Francisco Marriott in San Francisco, CA. Approximately 120 people from 25-30 states were in attendance. The meeting did not include a scientific theme and solely addressed the business agenda of the Neurotoxicology Specialty Section. President Bill Atchison called the meeting to order at approximately 6:00 p.m. The following items were discussed:

1. Election.

The election results were announced and the new officers were introduced. It was also announced that members had approved the proposed changes to the Specialty Section By-Laws.

2. Secretary-Treasurer's report.

Finances:

The SS account balance was \$6824 on June 2001. Details are provided below (attachment).

Membership in the SS stands at 176, down from the all-time high of 260 members in 1999. The Secretary-Treasurer will send a note to former members to determine interest in reinstating membership.

6. Monsanto Support for Student Awards.

The pre-doctoral and post-doctoral winners of the student awards were announced (see below). It was also announced that Monsanto has provided the specialty section with \$5000 to pay for the cash awards to the first-place winners in the pre- and post-doctoral categories for the next five years. Thanks were extended to Dr. Abby Li of Monsanto who made this possible.

7. Scientific Meeting.

Sessions sponsored or co-sponsored by the Neurotoxicology Specialty Section

Continuing Education

Ocular Toxicity: Assessment of Methods and Mechanisms

Neurotoxicology of Metals: Causes and Consequences

Symposia

The Role of Apoptosis in Developmental Neurotoxicity and Neurodegeneration in Adults

Poster Sessions

Neurotoxicology: Behavior

Neurotoxicology of Metals

Neurotoxicology of Pesticides

Neurotoxicology of Non-Metals

RoundTable

Is Chelation Therapy Effective for the Treatment of Low-Level Lead Poisoning?

Poster Discussion Session

Mechanisms of Manganese-Induced Neurotoxicity

Innovations in Applied Toxicology

Applications of Noninvasive Imaging in Toxicology

Special Session

The Role of the Environment in Parkinson's Disease

8. Awards:

Achievement Award.

This is the first year that this SS has offered this award. The award given to Dr. Toshio Narahashi, who received a plaque to recognize his many contributions to neurotoxicology.

American Chemical Council Early Career Award.

The American Chemical Council has asked the specialty section to assist with the administration of this award in neurotoxicology. Christine Kronk is the ACC liaison.

Student Award Winners

Postdoctoral Category:

- First Place Monsanto Award: Nickolay M. Filipov (Rich Seegal, advisor)
Title: *In Vitro Exposure to Manganese Potentiates Lps_induced Proinflammatory Cytokine Production by Murine Microglia.*
- Second Place: Riyaz Mahammad_ (Nasser Zawia, advisor) University of Rhode Island
Title: *Zinc Supplementaion Protects Against Lead Induced Alterations of Sp1_dna Binding in the Rat Cerebellum.*
- Third Place: Jon Popke (Merle G. Paule, advisor) National Center for Toxicological Research
Title: *Effects of Kainic Acid on Operant Behavior and Hippocampal Neurodegeneration in Rats.*

Predoctoral Category:

- First Place Monsanto Award: Winnifred Jeng (Peter Wells, advisor) University of Toronto
Title: *Prostaglandin H Synthase (PHS)_catalyzed Bioactivation of 3,4-methylenedioxymeth-amphetamine (MDMA) and Related Analogs to Free Radical Intermediates That Oxidize DNA.*
- Second Place: Christopher D. Toscano (Tom Guilarte, advisor) The Johns Hopkins University
Title: *Phosphorylation and Expression of the CyclicAMP Response Element Binding Protein (CREB) Are Decreased in Lead-exposed Rats*
- Third Place: _Mona.Thiruchelvam (Deborah Cory-Slechta, advisor) University of Rochester
Title: *Age-Related and Irreversible Nigrostriatal Dopamine (Da) System Neurotoxicity of Combined Exposure To Paraquat (PQ) and Maneb (MB).*

III. Other 2000 - 2001 Activities and Accomplishments:

IV. Future Plans

1. To regain membership in the Specialty Section. Continue attempts to retain members after they have completed their doctoral or post-doctoral training.
2. Continue to foster new relationships with industry. The money provided by Monsanto to support the student awards is a very important benefit achieved this year.
3. To continue to provide leadership in the area of neurotoxicology.
4. To continue efforts to increase training opportunities for student and post-docs.
5. To serve as a medium for disseminating information regarding research opportunities. Dissemination of information about the ACC Young Investigator Award is an example from this past year.

Neurotoxicology Specialty Section

	Jul '99 - Jun '00	Jul '00 - Jun '01
Ordinary Income/Expense		
Income		
Contributions	-	5,000
Dues - '01	2,415	3,900
Student Dues - '01	2,415	510
Grants - Food Safety	-	-
Grants - Mechanisms	-	-
Misc. Income		
Interest	168	325
Total Income	4,998	9,735
Expense		
Awards - Sections	600	1,800
Plaques		574
Ballot		-
Miscellaneous	459	-
Newsletter	97	-
Reception	380	2,390
Steno/Clerical	11	18
Symposia	-	823
Web Development	16	-
Total Expense	1,562	5,604
Excess (Deficiency) of	3,435	4,131
Revenue over Expenses		
Net Assets Beginning of Year	383	2,693
Transfers from General Fund	2,117	-

Net Assets Beginning of Year

2,500

2,693

After Transfers

Net Assets End of
Year

5,935

6,824