BRIEF HISTORY OF THE DEVELOPMENTAL NEUROTOXICOLOGY SOCIETY (DNTS)
**What/when/where** = 1977, Reston, VA

**Dick Butcher** elected founding President
Members at founding, Reston, Va., 1977

Floyd Andrew (Pharma)
Dick Butcher (Cincinnati Children’s)
Millie Christian (Argus)
Terri Damstra (NIEHS)
Steve Harris (NCTR)
Dick Hoar (Hoffmann-LaRoche)
Don Hutchings (N.Y.S. Psychiatric Inst.)
Ron Jensh (Thomas Jefferson Univ.)
Carole Kimmel (NCTR)
Granny Nolan (P&G)
Patricia Rodier (Univ. of Virginia)
Charles Vorhees (Cincinnati Children’s)
Those joining shortly thereafter

Avery, David  
Brackbill, Yvonne  
Coyle, Ian  
Dews, Peter  
Fechter, Larry  
Haddad, Raef  
Hood, Ron  
Kang, Young Ja  
Kaplan, Harriet  
Laughlin, Nellie  
Levitsky, Herb  
Martin, Joan  
Middaugh, Larry  
Mitchell, Cliff  
Nelson, B.K.

Pizzi, Bill  
Robertson, Rick  
Scott, Bill  
Sobotka, Tom  
Staples, Bob  
Tilson, Hugh
Name
1977 = Behavioral Teratology Society
1990 = Neurobehavioral Teratology Society
2015 = Developmental Neurotoxicology Society

Journal
1979: Neurobehavioral Toxicology
1981: Neurobehavioral Toxicology and Teratology
1987: Neurotoxicology and Teratology (NTT)
1990: Sponsored by NBTS & BTS
2009: Sponsored by NBTS alone

1979: NeuroToxicology

Matt Wayner created NTT: Joan Cranmer created NT.
NTT: Ankho Press; bought by Pergamon; bought by Elsevier.

NT: Intox Press; >20 years later bought by Elsevier (after lobbying by a certain NTT Editor (you get 3 guesses).
<table>
<thead>
<tr>
<th>Years</th>
<th>Name</th>
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<tbody>
<tr>
<td>1979-1980</td>
<td>Pat Rodier†</td>
<td>1998-1999</td>
<td>Sue Schantz</td>
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<td>1985-1986</td>
<td>Ron Jensh†</td>
<td>2004-2005</td>
<td>Frank Scalzo</td>
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<td>1987-1988</td>
<td>Larry Middaugh*</td>
<td>2006-2007</td>
<td>Peter Fried*</td>
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<td>1988-1989</td>
<td>Judy Buelke-Sam*</td>
<td>2007-2008</td>
<td>Mary Gilbert</td>
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<td>1992-1993</td>
<td>Nellie Laughlin</td>
<td>2011-2012</td>
<td>Gale Richardson</td>
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*Retired
†Deceased
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<tr>
<th>NTT Editor-in-Chiefs</th>
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<tr>
<td>Zoltan Annau</td>
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<td>Don Hutchings</td>
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<td>Charles Vorhees</td>
<td>1996-2005</td>
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<td>Jane Adams</td>
<td>2005-2011</td>
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<td>Phil Bushnell</td>
<td>2011-2016</td>
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Scientific origins

Early Proof of Principle Studies


Methylmercury

Subtle Consequences of Methylmercury Exposure:
Behavioral Deviations in Offspring of Treated Mothers

Abstract. Overt neurological impairment is the endpoint currently used to document a case of methylmercury poisoning. No consideration is given to possible subtle consequences. Offspring from mice exposed to methylmercury on day 7 or 9 of pregnancy were apparently unaffected during postnatal development. However, subtle behavioral differences between treated and control offspring were found when the overtly normal animals were tested in an open field and evaluated in a swimming apparatus at 1 month of age. Brain weight, protein, choline acetyltransferase, and cholinesterase were not significantly altered.

OUTCOME IN OFFSPRING OF CHRONIC ALCOHOLIC WOMEN

KENNETH L. JONES, DAVID W. SMITH, ANN P. STREISSGUTH, NTONOS C. MYRIANTHOPOULOS

Dysmorphology Unit, Department of Pediatrics, University of Washington School of Medicine, Seattle, Washington; and National Institute of Neurologic Disease and Stroke, Bethesda, Maryland, U.S.A.

Summary The evaluation of the charts of 23 offspring of a group of women ascertained purely by the history of maternal alcoholism indicates a perinatal mortality of 17%. In the survivors, borderline-to-moderate mental deficiency was the most frequent problem, occurring in 44%, while 32% had enough abnormal features from the physical examination alone to suggest the fetal alcohol syndrome. The frequency of adverse outcome in the pregnancies of chronically alcoholic women is of such a magnitude that serious consideration should be given toward early termination of pregnancy in such women.

tive Perinatal Project of the National Institute of Neurologic Disease and Stroke. This has been a prospective study of 5,000 pregnant women and their offspring who have been observed up to seven years postnatally in twelve medical centres. There was no direct prospective question relating to maternal alcoholism in the collaborative project questionnaire. However, if maternal alcoholism was mentioned in the record, there was a retrospective entry for alcoholism in the chart summary. 69 women had such a retrospective designation. These charts were reviewed for the history of maternal alcoholism by D. W. S., who had no knowledge as to the findings in the offspring; in 23 there was considered to be reasonably secure evidence that the mother had had chronic alcoholism before and during pregnancy. However, since the data were mostly anecdotal they were not adequate rigidly to satisfy criteria set forth by the National Council on Alcoholism. Thereafter, the charts of both mother and offspring were reviewed for abnormalities of central-nervous-system function and related factors by A. P. S., and for all else by K. L. J. We examined no patient directly.

11 of the chronic alcoholic women were Black, 11 were White, and one was an American Indian. They ranged in age from twenty-one to forty years with a mean age of thirty, and educationally they had completed from two to fourteen years of schooling, with the mean of a 9th grade education. Because of the variability in the sample and

PSYCHOLOGIC HANDICAPS IN CHILDREN WITH THE FETAL ALCOHOL SYNDROME*

Ann Pytkowicz Streissguth

Department of Psychiatry and Behavioral Sciences
University of Washington
Seattle, Washington 98195

Developmental ethanol: animal models


The Effects of Prenatal Alcohol and Marijuana Exposure: Disturbances in Neonatal Sleep Cycling and Arousal

MARK S. SCHER, GALE A. RICHARDSON, PATRICIA A. COBLE, NANCY L. DAY, AND DAVID S. STOFFER

Department of Pediatrics [M.S.S.], Western Psychiatric Institute and Clinic [G.A.R., P.A.C., N.L.D.], and Department of Mathematics and Statistics [D.S.S.], University of Pittsburgh, Pittsburgh, Pennsylvania 15213

FDA/NCTR Collaborative Behavioral Teratology Project

Neurobehav Toxicol Teratol. 1985 Nov-Dec;7(6):541-545. **Collaborative Behavioral Teratology Study: background and overview.** Kimmel CA, Buelke-Sam J.


### Federal neurotoxicology groups

<table>
<thead>
<tr>
<th>EPA</th>
<th>NIEHS/NTP</th>
<th>FDA/NCTR</th>
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<tr>
<td>Kevin Crofton</td>
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<td>Syed Ali</td>
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<td>Will Boyes</td>
<td>Jean Harry</td>
<td>Jane Adams (U. Mass)</td>
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<td>Cliff Mitchell*</td>
<td>John Bowyer</td>
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<td>Hugh Tilson</td>
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<td>Bob McPhail*</td>
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<td>Diane Miller (NIOSH)</td>
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<td>Carole Kimmel*</td>
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<td>Jim O’Callahan (NIOSH)</td>
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<td>Larry Reiter*</td>
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<td>Mark Stanton (U. Del.)</td>
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<td>Hal Zenick*</td>
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BOOKS THAT DEFINED THE FIELD


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20. Ron Gandelman, Rutgers Univ.
Accutane
