

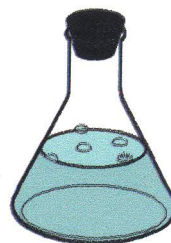
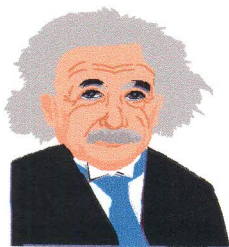
*Fifth Annual*

*Tappan Zee High School*

*Science*

*Symposium*

*April 26, 2001*



## Student Research Topics:

### Juniors & Seniors:

#### Original Student Research Topics:

#### PowerPoint and Poster Presentations

**Arneja, Amrita Kaur** – *Amyotrophic Lateral Sclerosis*,  
Mentor: Marcello Olarte, Columbia Presbyterian Hospital.

**Barak, Michael** – *The Effect of North Atlantic Oscillations on Atlantic Hurricanes*,  
Mentor: Y. Kushnir, Lamont-Doherty Earth Observatory.

**Lara Bennett** - *How Much Do Apes Know, and How Much Should We Teach Them?*

**Cabrera, Antonio** – *The Use of Non-prescription Drugs on Asthmatics*.  
Mentor: Dr. Manuel R. Cabrera, Columbia Presbyterian Hospital.

**Dey, Joel** – *Diabetic Retinopathy*,  
Mentor: Dr. Martin Leib, Columbia Presbyterian Hospital.

**Kane, Joseph** – *The Effect of Amino Supplementation on Muscle Tears*.  
Mentor: Dr. Rosemarie Boehm, Columbia Sports Team Physician.

**Rosenwasser, Charles** – *The Use of Titanium Alloy Implants on Beagles*.  
Mentor: Dr. Melvin Rosenwasser, Columbia Presbyterian Hospital.

**Scialo, Thomas** – *Kawasaki Disease: Long Term Treatment*,  
Mentor: Dr. Daphne Hsu, Columbia Presbyterian Medical Center.

**Sturdivant, Tiffany M.** – *AZT and the Drug 3 Cocktail*  
Mentor: Dr. Dial Hewitt, Pfizer Pharmaceuticals.

**Thalappillil, Jancy A.** – *Attitudes to Mental Health*.  
Mentor: Dixianne Penney, Nathan Kline Institute.

**Volpe, Robert** : *Nerve Regeneration in the Central Nervous System*  
Mentor: Dr. Yelena Akelina, Columbia Presbyterian Hospital.

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## **Sophomores:**

### **Poster Presentations of Various Scientists' Current Work in the Research Areas in Which Our Students Hope to Study.**

**Emmanuel Aaron:** *Positive Panel Reactive Antibody Titers in patients Bridged to a Transplantation with a Mechanical Assist Device*, P. Tsau et al.

**Maria Demonte:** *Mechanical and Metabolic Work on Lower Extremity Amputations: Walking with Titanium and Stainless Steel Prostheses: A Preliminary Study*, J. Dowling et al.

**Tara Fridhandler:** *Childhood Factors in Ulcerative Colitis and Crohn's Disease*, T. Gilat et al.

**Ashley Jacob:** *Is Anorexia Nervosa Associated with Elevated Rates of Suicide?*, S. Coren and P.L. Hewitt.

**Laura Kaplan:** *The Influence of Group Singing on Trust and Cooperation*, A. Anshel and D. Kipper.

**Jessica Kiarashi:** *The Influence of Familial Factors on Anxiety and Depression in Childhood and Adolescence*, K. Nilzon and K. Palmerus.

**Adeoluwa Kolade:** *Selective Inhibition of Cocaine Seeking Behavior By a Partial Dopamine D3 Receptor Antagonist*, M. Pilla.

**Ashley McCarthy:** *Effects of the Angiotensin Converting Enzyme Inhibitor "Ramapril" on Cardiovascular Events in High Risk Patients*, S. Yusuf et al.

**John McLaughlin:** *Simultaneous Stimulation of Slow-wave Sleep and Growth Secretion by Gammahydroxybutyrate in Normal Young Men*, E. C. Canter, L. Plat, et al.

**Allan Mutia:** *Cloning Noah's Ark*, R. Lanza et al.

**Jared Rosenburg:** *Nanotubes for Electronics*, P. Collins.

**Katie Rosenwasser:** *Nucleolar Localization of Werner Syndrome Protein in Human Cells*, R. Marcinak, D. Lomcard.

**Nicole Smith:** *Human Granulocytic Ehrlichiosis: A Case Series from a Medical Center in New York State*, M.E. Rosenfeld, Annals of Internal Medicine, Dec.1996.

**David Sonnenshein:** *Immortalized Neural Progenitor Cells for CNS Gene Transfer and Repair*, A. Martinez-Serrano and A. Bjorklund.

