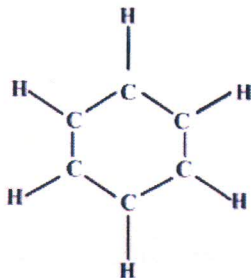
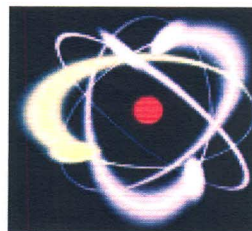
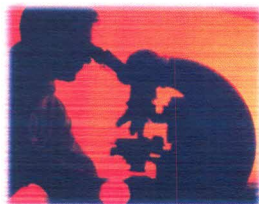


Seventh Annual
Tappan Zee
High School
Science Symposium

May 28,
2003



SCHEDULE
TZHS
SCIENCE SYMPOSIUM
2003

7:00 Welcome and Opening Remarks

7:15 Research Presentations

Katie Rosenwasser

Adeoluwa Kolade

Jessica Kiarashi

8:10 Poster Session & Refreshments

8:40 Research Presentations

Justin Grimm-Greenblatt

Nicole Smith

Emanuel Aron

9:30 Closing Remarks

The Seniors & Their Work:

Emanuel Aron: *Aldosterone Blockade and Collagen Byproducts in Hypertrophic Cardiomyopathy*

Procollagen levels in the blood were measured to determine whether the administration of spironolactone would be beneficial to patients with cardiomyopathy. The procollagen levels of healthy control subjects and affected patients did not however show any significant difference.

Mentor: Dr. Mark Sherrid, St. Lukes-Roosevelt Hospital, NYC

Jessica Kiarashi: *The Influence of Parental Overprotection on Depression in Adolescence*

This study observed the correlation between depression in adolescents and parental overprotection. Two instruments were utilized; a short depression scale and a parental bonding instrument. Students within the school volunteered to take part in this study and contributed to its outcome.

Mentor: Dr. Prudence Fisher, Columbia Presbyterian: New York Psychiatric Institute, NYC.

Adeoluwa Kolade

The use of agonists and antagonist to reduce nicotine addiction in lab rats.

This research was done to compare and contrast the effectiveness of agonists and antagonist on lab rats in reducing addiction. This research can be used for the basis of discovering an effective treatment for nicotine addiction in human.

Mentor: Dr. Abel Lajtha

Nathan Kline Institute, Orangeburg, NY



