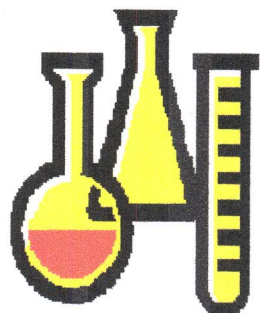


Sixth Annual
Tappan Zee High School
Science Symposium
April 23, 2002



The Science Research Students and their Work

Seniors

Arneja, Amrita Kaur

Neurological laboratory techniques for studying rats and mice with amyotrophic lateral sclerosis (Lou Gehrig's disease).

Mentor: Dr. Vernice Jackson-Lewis and Dr. Serge Przedborski,
Columbia Presbyterian Medical Center of Columbia University.
Presenter at Pace University Science Day 2002.

Barak, Michael

The effect of the North Atlantic Oscillation on Atlantic Hurricanes.

Mentor: Dr. Yochanan Kushnir and Jennifer Miller,
Lamont-Doherty Earth Observatory.

Awards: Intel Science Talent Search Semi-Finalist 2002.
First place in Rockland Science, Invention
& Technology Fair in Environmental Science 2001.

Cabrera, Antonio M.

The Indiscriminant Use of Non-prescription Over-the counter Drug and Herbal Remedies in Asthmatics.

Mentor: Dr. Manuel Cabrera, Columbia Presbyterian Medical Center.
Presenter at 2002 Westchester-Rockland Junior Science
& Humanities Symposium.

Dey, Joel

Treatments and effects of diabetic retinopathy.

Mentor: Dr. Gaetano Barille,
Columbia Presbyterian Medical Center of Columbia University.

Juniors

Aron, Emanuel

Spironolactone in counteracting hypertrophic cardiomyopathy

Mentor: Dr. M. Sherrid, Rockefeller University.

DeMonte, Maria

Analysis and development of prosthetics for athletes.

Mentor: Mr. Carl Schneider

Helen Hayes Prosthetic and Orthotic Center.

Jacob, Ashley

Role of Religion in Mental Health Services.

Mentor: Dr. Courtney Bender, Columbia University.

Kiarashi, Jessica

The influence of family factors (specifically overprotection) on depression in adolescence.

Mentor: Dr. Prudence Fisher, Columbia University.

Kolade, Adeoluwa

The affect of agonists on tobacco addiction in lab rats.

Mentor: Dr. Abel Lajtha, Nathan Kline Institute.

Rosenwasser, Katherin

The effects of COMP (calcium binding proteins) on cartilage

Mentor: Dr. Hui Chen, Columbia Presbyterian Medical Center.

Smith, Nicole

*Ehrlichiosis: A Life Threatening Illness with Features
Of Toxic Shock Syndrome.*

Mentor: Dr. Mario Romagnoli,
Columbia Presbyterian Medical Center.

