

## AABEA Tristate Newsletter

The AABEA Tristate Newsletter is published by the Publication Committee of the American Association of Bangladeshi Engineers & Architects, NY-NJ-CT. The opinion and positions expressed herein are those of the authors and not necessarily those of the AABEA Tristate or Newsletter.

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**Mohibul Islam, P.E.**

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Dear Members,

**In** this edition of the AABEA newsletter, you will find an article about New York City Water which features some key information applicable in our daily life. FE/PE and AUTOCAD review and training schedule is included for those who like to participate in the program. We hope you will enjoy the segment about our annual picnic. We also have included the AABEA's financial activities of the year 2005.

2005 has been a successful year of activities for AABEA Tri-State, Inc. Most significant progress has been made in the increase of AABEA membership. As of December 31, 2005, there are 63 paid members and 93 active members. Thanks to current Executive and Membership Committee for all their hard work.

This association takes pride in helping students in need and in December 2005 has awarded scholarships to 12 needy and meritorious students of BUET, Engineering universities at Chittagong, Rajshahi, Khulna, Gazipur and Bangladesh Agricultural University.

We wish all our members a very happy and prosperous new year. As always, please contact us with any questions or comments you may have.

With best regards,

*M.A. Rahim*

President,  
AABEA Tri-State

*Mohibul Islam, PE*

Secretary  
AABEA, Tri-State

## FUND RAISING FESTIVAL "Anando Moncho"

The AABEA Tri-State invites everyone to its annual fund raising dinner to be held in May 6, 2006 in the State-of-the-Art Auditorium at IS 230-Queens. Please join the evening with your friends and family which will be filled with colorful cultural program, dinner and a full feature movie broadcast in stereo. This will be an event to remember.

# NEW YORK CITY DRINKING WATER

*ENAMUL HAQUE, P.E.*

NY City supplies about 1.2 billion, gallons of water for 8 million New Yorkers and about 1 million people in nearby counties of Westchester, Putnam, Ulster and Orange. 99% of it is surface water that comes from 19 reservoirs and 3 lakes that extend 125 miles north of the city. The rest comes from ground water that supplies southeastern Queens.

How safe is our drinking water? Do we need to drink bottled water? These are common questions asked today. New York City water meets all federal and state drinking water standards. NY City water is predominantly soft, making it easier for soap to lather and suds to form. Since 1966, fluoride is added to the drinking water. Also, at times water looks milky when taken from a faucet, which is completely normal. The color is due to air becoming trapped in the water after its long trip from the upstate reservoir. Once the excess air is released, the water becomes clear. Sometimes a chlorine odor is noticeable in the water especially during warmer weather. Chlorine is a disinfectant and is added to the water to kill germs. The simplest and best way to remove the odor from your drinking water is to fill a pitcher and let it stand in the refrigerator overnight.

Moreover, New York City water is virtually lead free when delivered from the reservoir system. Yet water can absorb lead from solder, fixtures and pipes of some buildings and houses. The federal limit of lead in the water at the tap is 15 µg/L (micrograms per liter,  $10^{-6}$  grams per liter). It is important to check for lead levels in your water. Children drinking water containing excess lead may experience physical and mental developmental delays as well as deficits in learning abilities. City residents can get their tap

water tested for lead at no cost by calling 311 or (212) NEW-YORK.

Lastly, it is more cost effective to use NYC water. The cost of city water is only quarter of a penny compared to about \$2.00 a gallon of bottled water. An average single-family household uses approximately 100,000 gallons of water each year. In comparison, Dhaka- the capital of Bangladesh with 10.57 million (2004 Census) people- has only 212,543 house connections and only about 400 million gallons a day of drinking water supply. Water is a precious commodity in many countries so please do your part in conserving it. Do not run a faucet while shaving or brushing your teeth. Faucets use 2 to 3 gallons a minute. Home/apartment owners can obtain a free leak survey by calling DEP's Leak Survey contractor at 718.326.9426.

*Mr. Enamul Haque, P.E. is a Managing Engineer @ NYC Department of Environmental Protection. He can be contacted via e-mail: [Enamhaque@engineer.com](mailto:Enamhaque@engineer.com)*

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## AABEA TRI-STATE WEBSITE

Please use the following link <http://aabea.com> to gain access to AABEA website. AABEA website provides activities of our Association, forms, event pictures, information about job openings, EIT/PE, AutoCAD and civil service courses conducted by the Association and many more. Please visit the website.

**Congratulations** to AABEA member Ahsanul Hoque and his wife Fahima Akter for the birth of their son “ Prince Adnan Hoque “ born on November 19, 2005.

**Congratulations** to AABEA member Mohammad Hannan Chowdhury and his wife Shahana Ara Begun for the birth of their baby girl “Faima Safwana” born on November 27, 2005.

# THE SUMMER PICNIC 2005

*M.A. Rahim*

AABEA celebrated its annual summer Picnic at Babylon Lake State Park, Long Island New York on Saturday July 23<sup>rd</sup>, 2005. A huge number of the members of the association, their families and friends participated in this annual event with great enthusiasm.



*Men's Group picture*



*Ladies group picture*

Participants enjoyed the whole day engaging in various types of games and activities, such as a colorful Art competition, Biscuit race, Water Balloon passing, Pillow passing and Track and Field events.



*View of Girl's biscuit's race*



*Couple's Water balloon competition*

Around midday a delicious lunch was served that was enjoyed by all. Also there were lot of munchies, drinks and tea to enjoy.



The organizer arranged a brief orientation during which the members introduced themselves with great enthusiasm. At the end of the day, prizes were distributed among the winners of the game events.



A Raffle Draw was a much anticipated event of the day. Mr. Khondher Azizul Haque, the sponsor of the Raffle Draw distributed the prizes among the lucky winners. At the end of the day a vote of thanks was delivered by president elect. Enamul Haque and the members, their families and friends left the park heading to their respective destinations with delightful hearts.



The Art Competition was arranged by Shahreen. The winners of the art competition and various track and field events among the boys and girls of the age group 4 and under 13 were: Rayan, Raisa, Rafid, Shama, Halima, Raniya, Moisha, Noureen, Elma, Harris, Aiman, Iram, Anwar, Najeem, Shawaun, Morgen, Saif and Arif. Prizes were distributed among the winners by Mr. M.A Rahim, president AABEA. He was assisted by Secretary Mohibul Islam, Treasurer Siddiqur Rahman, President elect Enamul Haque and Shahnewaz Rahim.



*First prize winner of the raffle draw*

***Few more pictures of the fun time...***



## CONTINUING EDUCATION PROGRAM FE/PE REVIEW CLASS



*Left, Mr. Sadrul Hussain, P.E., teaching Fluid Mechanics, and right, Mr. Nasimul Ghani, P.E., teaching Hydraulics.*

*Congratulations to AABEA members Md. Siddiqur Rahman and Md. Atiqur Rahman for passing the second part of Professional Engineering License Examination (PE) held in October 2005.*

The FE/PE review classes for the October examination were held from June thru October, 2005. The review classes will resume on February 12 for the April 2006 examination. The Association has noticed a significant increase in student population. Thanks to our FE/PE instructors to make the classes informative and productive.

The Spring 2006 class schedule for the FE/PE Review Program and AutoCAD training is listed below:

<b>Date</b>	<b>Course</b>	<b>FE/PE Instructor</b>	<b>AutoCAD 2005 Instructor</b>
Sunday, February 12, 2006	Introduction & Mathematics	Shahidul Islam	Enamul Haque, PE
Sunday, February 19, 2005	Electric Circuits	Akhil Saha, PE	Atiqur Rahman
Sunday, February 26, 2005	Hydraulics	Nasim Ghani, PE	Enamul Haque, PE
Sunday, March 5, 2006	Thermodynamics	Ariful Gaffar, PE	Nitu Rahman
Sunday, March 12, 2006	Mechanics of Materials	Siddiqur Rahman, PE	Enamul Haque, PE
Sunday, March 19, 2006	Fluid Mechanics	Sadrul Hussain, PE	Samiul Haque
Sunday, March 26, 2006	Engineering Economics & Statistics	Akhter Akhtaruzzaman	Enamul Haque, PE

## AUTOCAD TRAINING

The Association will continue to conduct the AutoCAD training program using the 2005 version of the software.



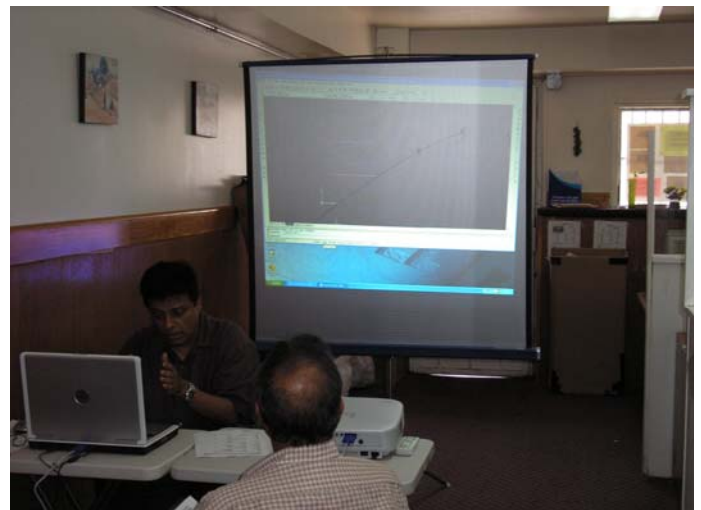
Three instructors have helped us last year, Engineer Enamul Haque, P.E., Architect Atiqur Rahman and Architect Nitu Rahman.



The hands-on training has been very effective to learn the commands to develop working drawings. Instructors provide the training

manuals. We encourage members to take advantage this free training program.

The class is taught using lap top computers, LCD projector and a large projection screen.



*Architect Atiqur Rahman and Enamul Haque, P.E. conducting an interactive AUTOCAD training.*

## 2005 AABEA Scholarship Recipients

Name of Students	Year	Department
<b>BUET, Dhaka</b>		
1. Gaurab Kundu	3 <sup>rd</sup>	Computer Science & Engineering
2. Md. Rakibul Hasan	2 <sup>nd</sup>	Civil Engineering
3. Mohiuddin Ahmed	3 <sup>rd</sup>	Civil Engineering
4. Tamanna Kabir	3 <sup>rd</sup>	Architecture
<b>RUET, Rajshahi</b>		
1. Md. Sohikul Islam	3 <sup>rd</sup>	Computer Science & Engineering
2. Md. Golam Rabbani	3 <sup>rd</sup>	Computer Science & Engineering
<b>CUET, Chittagong</b>		
1. Subir Dutta	2 <sup>nd</sup>	Electrical Engineering
2. Md. Asadul Islam	3 <sup>rd</sup>	Computer Science & Engineering
<b>KUET, Khulna</b>		
1. Md. Mohsin Ali	3 <sup>rd</sup>	Computer Science & Engineering
2. Byasdev Sarkar	1 <sup>st</sup>	Mechanical Engineering
<b>DUET, Ghazipur</b>		
1. Md. Harun Al-Rashid	4 <sup>th</sup>	Civil Engineering
<b>AGRICULTURAL University, Mymensingh</b>		
1. Md. Abu Sufian	3 <sup>rd</sup>	Agriculture Engineering

### **SUPPORTING THE AABEA NEWSLETTER**

Publishing the newsletter is one of the major expenses for the Association. We ask that you renew your membership for year 2006 to help with this expense. Please send your renewal application with a \$25 check payable to:

AABEA TriState,  
1338 Fifth Avenue  
New Hyde Park, New York 11040

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IF YOU HAVE SOMETHING YOU  
FEEL OUR MEMBERS WOULD  
LIKE TO READ ABOUT OR  
NEED TO KNOW ABOUT,  
PLEASE SUBMIT TO US.

E-mail: [aabeatristate@aol.com](mailto:aabeatristate@aol.com)

## FEW THINGS YOU NEED TO KNOW

Cancer News from Johns Hopkins: 1--No plastic containers in microwave 2--No water bottles in freezer. 3--No plastic wrap in microwave. Johns Hopkins has recently sent this out in its newsletters. Dioxin chemicals cause cancer, especially breast cancer. Dioxins are highly poisonous to the cells of our bodies. Don't freeze your plastic bottles with water in them as this releases dioxins from the plastic. Dr. Edward Fujimoto, Wellness Program Manager at Castle Hospital, was on a TV program to explain this health hazard. He talked about dioxins and how bad they are for us. He said that we should not be heating our food in the microwave using plastic containers. This applies to foods that contain fat. He said that the combination of fat, high heat, and plastics releases dioxin into the food and ultimately into the cells of the body. Instead, he recommends using glass, Corning Ware or ceramic containers for heating food. You get the same results, only without the dioxin. So such

things as TV dinners, instant ramen and soups, etc., should be removed from the container and heated in something else. Paper isn't bad but you don't know what is in the paper It's just safer to use tempered glass, Corning Ware, etc. He reminded us that a while ago some of the fast food restaurants moved away from the foam containers to paper. The dioxin problem is one of the reasons. Also, he pointed out that Saran wrap is just as dangerous when placed over foods to be cooked in the microwave. As the food is nuked, the high heat causes poisonous toxins to actually melt out of the plastic wrap and drip into the food. Cover food with a paper towel instead. This piece of information we believe one should forward to one's family and friends.

### THE WORLD'S TALLEST BRIDGE

Ismet A. Chaudhury



**Millau Viaduct, France**

**Designed by : Sir Norman Foster & Partners**

Bridges are often considered to belong to the engineer's realm rather than the architect's. But the architecture of infrastructure has a powerful impact on the environment. The Millau Viaduct, designed in collaboration with engineers, illustrates how the architect can play an integral role in bridge design.



Located in southern France, the bridge connects the motorway from Paris to Barcelona at the point where it is interrupted by the River Tarn, which runs through a wide gorge between two plateaux. A reading of the topography suggested two possible approaches: to cross the river, the geological generator of the landscape; or there was the challenge of spanning the 2.5 kilometers from one plateau to the other in the most economical manner.

The structural solution follows from the latter philosophical standpoint. The bridge has the optimum span between cable-stayed columns. It is delicate, transparent, and uses the minimum material, which makes it less costly to construct. Each of its sections spans 350 meters and its columns range in height from 75 meters to 345 meters - higher than the Eiffel Tower - with the masts rising a further 90 meters above the road deck. To accommodate the expansion and contraction of the concrete deck, each column splits into two thinner, more flexible columns below the roadway, forming an A-frame above deck level. This structure creates a dramatic silhouette - and crucially it makes the minimum intervention in the landscape.

Construction Date: 2002, Completion Date: 2005, Length: 2.5 km, Height: 280 m

Construction cost: €394 million and toll charge: €4.9~6.5 per car

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### ***Md. Atiqur Rahman Hridoy,***

*A bright student of Bangladesh University of Engineering and Technology  
is suffering from deadly Leukemia  
Let us pray for him.*

AABEA has responded to this charitable need and has contributed \$322 to Hridoy's medical treatment fund. Thanks to our members for their support. Currently, he is being treated at Singapore General Hospital.

# FINANCIAL REPORT 2005

Siddiqur Rahman, P.E.

## AMERICAN ASSOCIATION OF BANGLADESHI ENGINEERS & ARCHITECTS, NY-NJ-CT, INC.

AABEA Tristate, Inc.

### INCOME AND EXPENSE REPORT FOR THE YEAR 2005

Period: January 1, 2005 to December 31, 2005

SL. #	Description of Items	Income	SL. #	Description of Items	Expense
1	<b>Contributions:</b>		1	<b>Advancement of Science, Engineering &amp; Architectural Education:</b>	
	Scholarship Funds Collected for 2005 & Deposited in Bank Account by December, 2005	\$1,565.00		Twelve (12) Scholarship Grants to Engineering & Architectural Students of BUET, RUET, KUET, CUET, DUET & BAU in Bangladesh for the year 2005	\$1,134.00
	Scholarship Funds Collected for 2004 & Deposited in Bank Account in 2005	\$777.00		Scholarship for one (1) student of CUET for the year 2004	\$86.00
	Contribution towards picnic, 2004	\$74.00	2	<b>Printing, Publications &amp; Postage</b>	
	Contribution towards picnic, 2005	\$520.00		web hosting & domain fee	\$151.94
	Donation for cancer patient Hridhoy	\$322.20		Projector cost	\$781.00
	FE/PE class refreshment & Writing board	\$415.00		Laptop cost	\$914.02
	Donation for inauguration 2005	\$1,100.00		Printer cost	\$309.98
				Purchase of Banner	\$150.00
2	<b>Membership Dues:</b>			Printing of Receipt	\$155.00
	Membership Fees for the Year 2005 Collected & Deposited to Bank Account in Year 2005	\$1,440.00		Writing board, Stationary, AD in Newspaper	\$323.71
			3	<b>FE/ PE Class refreshment:</b>	\$287.60
3	<b>Special Events, Activities:</b>		4	<b>Special Events &amp; Activities:</b>	
	Picnic Day Collection	\$1,779.00		Picnic expense	\$2,315.04
	Inauguration 2005 collection	\$1,636.00		Inauguration expense	\$2,662.92
4	<b>Ad in Newsletter:</b>	\$50.00	5	<b>Donation for cancer patient Hridhoy</b>	\$322.00
	<b>TOTAL INCOME for the year 2005</b>	<b>\$9,678.20</b>			
A	SURPLUS (Total Income - Total Expense)	\$84.99			
B	Beginning Balance of January 1, 2005	\$4,300.21			
C	12/31/2005 Balance (Item A + Item B)	\$4,385.21			
D	Bank Statement Balance as of 12/31/05	\$4,385.21		<b>TOTAL EXPENSE for the Year 2005</b>	<b>\$9,593.21</b>

## **FE/PE AND AUTOCAD CLASSES**

**IF YOU ARE PLANNING TO TAKE THE FE/PE  
EXAMINATION OR  
TO LEARN AUTOCAD SOFTWARE, PLEASE ENROLL THE  
FREE PROGRAM**

**Call: 718-545-3457**

### **Location**

Eastern Realty, 39-14A 63rd Street, Woodside, NY 11377  
Telephone 718-899-1121

### **Time**

Every Sunday 10:00 AM – 1:00 PM (FE/PE)  
1:00 PM – 2:00 PM (AUTOCAD)

FROM

**NEWSLETTER  
AABEA TRISTATE  
1338 FIFTH AVENUE  
NEW HYDE PARK, NY 11040**

