

ASSE NEWSLETTER #2/95

ULF HAMMARSKJÖLD BECOMES TREASURER IN ADDITION TO BEING A MEMBER OF THE BOARD OF DIRECTORS AND VICE PRESIDENT

At the annual meeting on January 31, 1995 held at the National Arts Club, the members approved the election of Ulf Hammarskjöld to be Treasurer of the Society in addition to being a member of the Board of Directors and a Vice President of the Society. George DeFeis, former Treasurer has requested to be relieved from the duty of Treasurer, because of increased workload at Civil Engineers Society.

ASSE FIELD TRIP TO INDIAN POINT NUCLEAR POWER STATION

With the kind assistance of ASSE member **Ingvar Kjellberg** we had an interesting and informative visit to the New York Power Authority nuclear power station outside NY on June 1. We were impressed with the security arrangements and learned much to our surprise that this station supplies 25% of the NY Metro Area electric power when operating at peak capacity.

ITT FLYGT REPORTS ON RESEARCH FOR IMPROVING EFFICIENCY OF SEWAGE PUMPING STATIONS

ITT Flygt's main business is the manufacture and sale of pumps, most of which handle "solids transport in liquids" - mostly as waste water.

The US Department of Energy has organized a "**MOTOR CHALLENGE PROGRAM**". ITT Flygt, in April of this year, was selected by the DOE as one of 25 participants to conduct a **SHOWCASE DEMONSTRATION**. A pumping station in Trumbull, CT and Milford, CT was selected by ITT Flygt for a **SHOWCASE DEMONSTRATION** to accomplish the following:

- Describe the method to improve overall efficiency;
- Monitor and document the current operational energy usage;
- Design and implement proposed improvements;
- Record and document energy savings;
- Prepare a report on the actual results.

The energy required to operate a sewage pumping station is a function of pumped flow, total pressure required to deliver the water and wire to water efficiency of the pump/motor components. The pumping "head" is basically total head plus fluid friction losses. ITT Flygt has determined that overall system efficiency can be increased by integrating one small pump, which would substantially reduce the system friction losses and thus lower the required total operating head. *ASSE Member* **Stefan Abelin** is the Systems Engineering Manager at ITT Flygt and will be glad to answer your questions. He can be reached at (203) 380-4853.

KEEN COMPETITION FOR ADMITTANCE TO THE ROYAL INSTITUTE OF TECHNOLOGY

No less than 12,000 persons applied for admittance to study at KTH and competed for 2500 available positions in 1995. (Source KTH News)

COMPANY IN THE NEWS

The **SCANIA** Corporation will, during a period of three years, finance positions for six Doctors of Technology at KTH. It has been made possible through a donation of 9 million SEK. This is in addition to earlier grants of 20 million SEK to support research education and to, through 1997, support a professor position in combustion engine technology and some additional doctors of technology. (Source KTH News)

MINKS OR SUBMARINES

Hans G. Forsberg, who until recently was managing director of the **ROYAL SWEDISH ACADEMY OF ENGINEERING SCIENCES (IVA)** has been appointed chairman of a new Swedish submarine commission (U-båtskommissionen). The commission will have access to the secret (hemlig) stamped previous military investigation papers, which resulted in sharp protests to the former USSR. One source reported that the midget robot submarines were actually diving minks. The new commission has a target date for completion of January 1, 1996 or sooner. (Source KTH News).

OUR HONORARY MEMBER, AMBASSADOR FRANKLIN FORSBERG,

NAMED SWEDEN DAY "MAN OF THE YEAR."

Our Society congratulated, through an announcement in the Sweden Day Journal, Ambassador Forsberg's appointment as Sweden Day "Man Of The Year." This journal is sponsored by United Swedish Societies. Frank Forsberg was for many years one of the most efficient and appreciated US Ambassadors to Sweden, equally esteemed by both USA and Sweden. We re-amplify our greetings to Ambassador Forsberg, who is still very active in his own business as well as in Swedish-American affairs.

BOARD MEETING OF THE NEW YORK METROPOLITAN ENGINEERING SOCIETIES COUNCIL

Your editor attended as observer for ASSE, the June 26, 1995 board meeting of the New York Metropolitan Engineering Societies Council, which was also attended by representatives from the New York Academy of Science, American Society of Civil Engineers, American Society of Chemical Engineers, New York Society of Professional Engineers, American Society of Mechanical Engineers, Institute of Electrical and Electronic Engineers and two observers from the New York City Department of Transportation.

One of the topics discussed rather lengthy was how to get the many engineering societies to cooperate closer and to work for a greater appreciation of the engineering profession among the general public. The MESOC would welcome suggestions on how to proceed with promotion of the image of the engineer.

ASSE was encouraged to join the MESOC and to submit suggestions. ASSE board will take up this for discussion during the next meeting in September 95.

MORE ABOUT THE LYCEUM CLUB AT THE NEW YORK ACADEMY OF SCIENCES

In previous newsletter 1/95 the formation of a Talent Bank within The Lyceum Club was mentioned. Our own member and secretary, Oscar Perilla, is chairman of the Steering Committee of the Lyceum Club. The Steering Committee is registering the Lyceum Club Talent Bank as a consulting source with the Long Island Office of Defense Diversification of the NY State Department of Economic Development. This office offers consultant services to industrial companies diversifying from defense related activities. Participating companies may be eligible for up to 2/3 of the cost for the technical assistance, not to exceed \$50,000.00 Apply to the NY Academy of Sciences Talent Bank Coordinator, Mr. Craig Purinton, for information. He can be reached at 212-838-0230.

COMPANY IN THE NEWS

NEWS FROM ABB TRACTION ABOUT THE X-2000 HIGH SPEED TRAIN

The X-2000 High Speed Tilting Train is designed and will be built, if chosen, in the USA using American components. Three Companies lead the X-2000 team. They are ABB, Raytheon and GE Transportation Systems. They will design, assemble, integrate and test the X-2000 locomotives and cars.

The X-2000 team companies employ combined 250,000 American workers at facilities located in all 50 states. No less than 150 other companies in more than 30 states are identified as potential suppliers of components for X-2000.

X-2000 stands alone among high speed rail technologies proposed for the USA. X-2000 is the only high speed train being proposed to Amtrak with service-proven thoroughly integrated technology. Components work together because they were designed specifically for integration in X-2000.

Only X-2000 can back this claim with performance: affordable, commercially successful, safe world-class high speed passenger rail service on existing mixed traffic corridors.

Building on this success the X-2000 team welcomes a partnership with Amtrak that will create a new generation of high speed trains. X-2000 for America will be designed to Amtrak's specifications. Close cooperation with Amtrak will ensure not just that the customer's requirements are met, but that Amtrak and the X-2000 team establish the standard for a new generation of high speed trains.

The bold, clean lines of X-2000 that won enthusiastic praise throughout the train's 91-city U.S. tour will be recaptured in a design unique to Amtrak. America's X-2000 will reflect Amtrak's transportation leadership for the 21st century.

FUTURE EVENTS

On September 12, 1995, our member Erik G. Halleus, Vice President and General Manager, Siemens Rolm Communications, Inc. will speak on the subject: "**A Corporation's Journey to World Class**". A separate notice has been mailed.

ASSE plans a **Christmas Party** and Dinner Dance in cooperation with the Danes and the Norwegians and others, possibly onboard one of member Karl Andren's World Yachts.

MEMBERSHIP DUES

We thank you all for dues received this year. Those who desire to retain membership in the American Society Of Swedish Engineers may pay dues up until September 1. After that, members on the rolls will be dropped from the directory.

Please make use of the enclosed membership application for new members.

MEMBERSHIP DRIVE

We encourage all members to sponsor at least one new member each before January 1, 1996. Members may be technology interested Swedish born persons or American born persons of Swedish descent as well as Americans with interest in Swedish Commerce and Technology.

ABOUT HELL AND HEAVEN

A man had just transitioned from Earth into Cosmos and was show'n Hell by GOD. There were people sitting with very long soup spoons around big urns with soup, but they were hungry and miserable, because the soup handles were so long that they could not get the soup in their mouths.

Next GOD showed the man Heaven. He found very happy persons, but in the identical set-up to what he had seen in Hell. The man asked GOD why are these people well fed and happy? He was told that the difference was that these people had figured our that it worked fine if they only helped each other.

CONTINUED SUGGESTION AND INPUT IS REQUESTED

Your editor expresses thanks for received contributions. The editor welcomes your suggestions and copy of news about members, new products, new technologies, new members as well as suggestions for topics, speakers and field trips.

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