

September 2000

David Shapiro, Co-Editor

Dave Smith, Co-Editor

ASME Hudson-Mohawk Section



Newsletter

Ultralight/Powered Parachutes

Helderberg Designs

Saturday, September 16, 2000

8:00 – 10:30 AM

*Plant Tour and Demonstration
(seen in the James Bond movie)*

ASME Tour of
Heldeberg Designs LLC

Builders of the Blue Heron Line of Powered Parachutes
Saturday, September 16, 2000 8:00 - 10:30 AM
Wright, NY

Heldeberg Designs is the manufacturer of the Blue Heron Line of powered parachutes. Unlike normal parachutes, powered parachutes are capable of taking off from a field or runway, climbing to an altitude, maintaining level flight, and descending for a landing. Blue Heron powered parachutes were used in the latest James Bond movie "The World is not Enough 007".

This tour will consist of a flight demonstration of the aircraft and a tour of the manufacturing facility. The flight demonstration will start at 8:00 AM with the tour of the manufacturing facility to follow. Anyone wishing to only attend the tour of the facility may arrive at 9:00 AM.

Heldeberg Designs has one of the aircraft used in the James Bond movie on display. Nick and Marie Viscio of Heldeberg Designs will also discuss the design and flight characteristics of these unique aircraft.

RESERVATIONS ARE REQUIRED: Please contact Frank Reed at (518) 385-4264 or Paul Kehoe at (518) 385-5774.

DIRECTIONS: Heldeberg Designs is located at 224-8 Benninger Road in the town of Wright, NY. From the Albany and Schenectady area, take Interstate 88 West to Central Bridge exit. Head south (left) towards

Schoharie continuing south onto Route 30. Take a left onto Route 443 heading towards Gallupville. Turn left onto Route 146 and continue for approximately 2.5 miles. Benninger Road will be on the left. Continue on Benninger Road. Look for "Low Flying Blue Herons" signs along the road. Heldeberg Designs is located at the airstrip on the right side. The phone number for Helderberg Designs is 518-872-2638.

Message from the Chair

What an interesting summer it has been, learning many things that I thought I already knew about the operations of the Hudson-Mohawk Section. After more than five years as an active Section member, I thought that I knew most of what I would need to know to be Section Chair. Not so. There are many practical aspects - like the importance of the role of the Section Treasurer, and the vital support functions supplied by the Eastern Regional Office, and many others too numerous to mention. Two things, however, are paramount. First - the ongoing commitment of numerous veteran volunteers keeps the Section going, and second, that the commitment of new volunteers gives our Section the additional energy and momentum necessary to continue to expand and improve our activities and services.

We are fortunate to have experienced members transferring from other Sections. Mike Brilliant, our new Treasurer, joins us from the Dayton Section, while Dave Shapiro, Newsletter Co-Editor, joins us from the Pittsburgh Section. Frank Reed has volunteered to serve as Vice Chair, Tom George returns for a second year as Secretary, and Dave Smith, a local Section member for many years, has graciously agreed to co-edit the Newsletter with Dave Shapiro. Crystal Heshmat, along with veterans Seena Drapala and MJ Shaw, will champion student involvement at the college and high school level, and support budding engineers through the FIRST program. Having active Executive Committee members like Crystal and Frank ensures that the Hudson Mohawk Section will integrate and interact with various other professional societies, from STLE (Society of Tribology and Lubrication Engineers) to ASNT (American Society of Nondestructive Testing) and AIAA (American Institute of Astronautics and Aeronautics). The returning veterans are many - the Section is fortunate that former Chairs have continued to be active and involved in organizing and participating on Section events. Seena Drapala, MJ Shaw and Lewis Stitt have continued in various roles, from Regional

Operating Board, to FIRST support, to leadership of our Section technical chapters.

I would like to acknowledge the many years of faithful and dedicated service of Philip Andrew and Fred Willett. Both Philip and Fred have served multiple terms as Newsletter Editors and Executive Committee members over the past four years. Without their continuous, quiet, behind the scene contributions, the Section could simply not have functioned. One of the high points in last year's Section accomplishments was the establishment of a merit scholarship for a Hudson Valley Community College Student, which was spearheaded by Philip.

This past May, the Hudson Mohawk Section was well represented by four members at the RAC (Regional Administrative Conference) in Bethlehem, Pennsylvania. In September, five of us will attend the IRAC (Interim Regional Administrative Conference), in Split Rock, Pennsylvania. Here, we will learn about the finer points of small and large section operations, Web page design and maintenance, as well as many other skills relevant to the administration and operation of an ASME Section.

This year we have an outstanding array of events, covering a broad range, from tours to dinner meetings, to Senior Section meetings and student events, from ASME exclusive events to joint meetings with the AIAA. Our kick-off event, featuring Ultralight aircraft, promises to be a popular draw. Our annual Social event at the Van Dyck returns in January, and we will close the year with a Distinguished Lecturer at our traditional Honors and Awards Dinner in May. The Design and Applied Mechanics Technical Chapters led by Lewis Stitt will be helping to make this a more active year too.

We hope you will be pleased by this year's programs and the implementation of much needed improvements, from an expanded Web page to more timely and fully electronic Newsletter delivery – brought to you by volunteers, both veterans and new recruits alike. Join us for an event or two, and experience first-hand the benefits of your dues at work in your local ASME section. Get involved and join the fun!

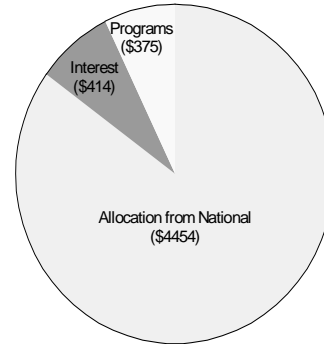
Paul Kehoe
Section Chair

1999-2000 Financial Report

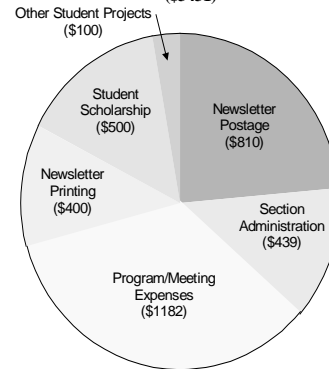
As shown, revenues over the past year totaled \$5,243 and our expenditures totaled \$3,431. Revenues

exceeded expenses by \$1,812, bringing the Section's assets to \$16,972, up from \$15,161 one year ago. A deposit of \$15,000 in a 180-day Certificate of Deposit, currently yielding about 6% annually augmented interest income to the Section. This should generate sufficient income to support the newly named George W. Scheper Jr. Scholarship for an indefinite future. The scholarship was awarded first the first time this year and

TOTAL REVENUES 1999-2000
(\$5243)



TOTAL EXPENSES 1999-2000
(\$3431)



went to Mr. Nick Viscio, a student of Mechanical Engineering at Hudson Valley Community College. After having been your Treasurer for the past two years, I have turned this duty over to Mike Brilliant. I appreciate all your support in the past.

Philip L. Andrew, P.E.
Treasurer, 1999-2000

Next Event

ERIE CANAL EXHIBIT
at
Union College: Nott Memorial

Schenectady, NY

Date: September 25, 2000

4:30 – 9:00 PM

Presentation @ 6:00 PM by Professor Andy Wolfe
(Engineering of the Canal)

Hors D'oeuvres and Networking @ 7:00 PM
Cost: \$5.00/person

an email address, or if it has changed, please let me know so we can keep our records updated. If you have items of interest, events notices, announcements, or human-interest stories that you would like included in the newsletter, you may do so by submitting them to:

David Shapiro
Phone: (518) 385-2895
Fax: (518) 385-9587
E-mail: david.shapiro@ps.ge.com

The exhibit will have features never before displayed. They will include original structural drawings of the canal. The exhibit will be open at 4:30 PM for our private viewing. Professor Andy Wolfe of the Civil Engineering Department will be the guest speaker. He is closely involved with the renovation of part of the Erie Canal and will discuss materials, tools and basic engineering of the canal. We acknowledge the assistance of Bill Keat (ASME Advisor at Union College) for making this event possible.

RSVP by September 21: Contact Seena Drapala at (518) 385-5211 or Paul Kehoe at (518) 385-5774.

DIRECTIONS: From all points, take the New York State Thruway to exit 24. Take the Northway (I-87) north to exit 6 (marked "Route 7 west"). Follow Route 7 west for 6.5 miles and stay right onto Union Street. Continue on Union Street for 2.7 miles and turn right on Seward Place, then right into the visitor parking lot at the corner of Seward Place and Nott Street. The Nott Memorial (round, domed building) is a short walk to the center of the campus square.

Message from the Editor

This year, the Hudson-Mohawk Section of ASME will have Co-Editors: David Shapiro and Dave Smith. In order to have an active membership, it is very important to have excellent communications. The primary source of communications is through the newsletter. The newsletter is used to inform the membership of events and news that affect the section. While the editors can report items of interest, we are dependent upon the membership to be pro-active. We depend upon you to supply stories and information concerning the mechanical engineering field, its members, and activities that would be of interest.

To this end, we are reaching out to the membership to make this newsletter an instrument that stimulates interest in the section's activities. Let's make this a great year. We will make every effort to include items in a timely manner. For the first time, we will attempt to email copies in advance of the hard copy. We will endeavor to compile your email address from the regional records. If you have not supplied

ASME International **Hudson-Mohawk Section Officers**

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THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS **HUDSON-MOHAWK SECTION**

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