



Lend a Hand



ROTARY VOTARY

The Rotary Club of West Chester

Jonathan Majiyabe, International President 2003-2004

Bulletin #38

www.WestChesterRotary.us

April 15, 2004

This Week's Program: April 15, 2004

**The FIRST Metal Moose is Loose
Speakers: Westtown Robotics Club
Arranged by Carol Metzker**

Next Week's Program: April 22, 2004

**Classification Talks
Speakers: Charles Lyddane and
Alice Thomas
Arranged by John Kehner**

MINUTES by Steve Karp

President Charles called today's meeting to order at 12:30pm. **Dave Biffen** provided us with an invocation directly from the Passover Haggadah. **Esther Brown** introduced our visiting Rotarians. Many happy dollars were contributed this week. **Gary Hess** announced that The Gundaker Foundation was seeking donations. The Gundaker Foundation funds the youth exchange program. In fact \$4,000 dollars was contributed so far for our exchange student, Nicksu. **Jack Wintermute** pointed out to everyone in attendance that **Carol Metzker** was featured in this morning's edition of The Daily Local News for her outstanding contribution to Polio eradication in India. Carol stated that it only costs 50 cents for the medicine to inoculate a child. Jack quickly fined the entire membership 50 cents. **Annie Lorgus** handed out information for "Relay for Life" a fundraiser for the American Cancer Society to be held on May 22nd and 23rd at Downingtown High School. President-Elect **Steve Quigley** announced that the 2004-2005 rotary year was being planned. If you have any avenues of service or club ideas that interest you please contact Steve. **John Kehner** pontificated that we need 3 more new members to meet our goal of 20 new members since January 1st. **Mark Sammarone** has placed the Presidential Citation summary on our website. Please take a moment and review all the awesome ways this club performs "service above self"

SPEAKERS REVIEW by Eric Metzker

Paul Woodruff introduced David Bevan from The American Helicopter Museum and Education Center.

David Bevan, an avowed 'techie' of some significant experience, entertained and educated our club on the topic of helicopters and the mission and vision of the American Helicopter Museum and Education Center. In fact, Mr. Bevan lived out the mission of the Museum which he describes as "edutainment", by educating us on the history of the helicopter and entertaining us with stories of the development of the museum.

While this phrase, edutainment, has become popular for television shows that try to make learning fun, it was far more interesting to hear the history of the helicopter from someone who has helped to shape it.

David became a pilot in his teens, worked as an aircraft mechanic and went on to graduate from Virginia Tech with a BS in Aeronautic Engineering. His long career in the industry, including work with the Glen Martin Company and eventually 28 years with Boeing Vertol, carried him through the rise and maturation of the 'rotary-wing aircraft' (a fitting topic for our club) industry.

The idea for the museum came about at the 50 year anniversary in 1989 of the successful, powered flight by Sikorsky in 1939. Although David explained that there was a long series of events each of which could be taken as the

beginning of the helicopter, the Museum's start can be dated to 1996. It opened after taking a year to convert a hangar at the Brandywine Airport into a display facility.

Today, the Museum is only one of 3 museums worldwide to be dedicated to the helicopter. Its location is fitting enough since many of the earlier inventors and producers of helicopters lived and worked in the Greater Philadelphia region. These companies include Piasecki who's company became Boeing Vertol, Frank Kosloski, the founder of Hughes Helicopter (which became McDonnell Douglas) and even Kellet and Pitacairn who created the Autogyro.

Edutainment serves a wide variety of visitors, from Boy Scouts to a dedicated group of home-schoolers. An example of the type of craft they can visit and learn about is the Osprey – a tilt-wing aircraft that can take off vertically and then rotate the wings so the craft looks almost like a conventional cargo airplane.

Demonstrating his love for education, David reminded us of our school days with a brief refresher on aeroelastic kinematics. As most of us remembered, Mach 1 at sea level is 1,116 ft/sec. It became obvious why the upper limit of most rotary-aircraft is about 200 knots since that would be the speed at which the forward-rotating wing would begin to encounter transonic disturbances while, at the same time, the rearward-rotating wing would be losing lift. Although fascinating to most members, we just didn't have time to even scratch the surface of the topic of Modes and Critical Damping in Asymmetric Linear Dynamic Systems.

A note for the fathers in the audience, the Museum offers gift packages that include helicopter flights throughout the years as well as an exhibition of toys for 'grown-up boys' known as FatherFest on June 20. See www.helicoptermuseum.org and www.helicoptermuseum.org/participation/events.htm the events page.

VISITING ROTARIANS

Berta Rains	Coatesville
Frank Roia	WEGO
John Saling	WC Sunrise

April 23

May 14

May 17

May 24

June 21

July 21

SAVE THE DATE

Leadership Ball
@ The Desmond
District night at the Theatre
District Assembly
Rotary/Lions Golf Outing
District 7450 Golf Outing
Rotary Night at the Phillies

MEMBERSHIP SURVEY

The membership survey will be available this week on the club website. It can be completed on line, down loaded and brought to our next meeting.

EXCHANGE STUDENT

Sachie Koizumi, from Japan

Host family: Mr & Mrs Jay Johnson

1105 Daniel Davis Lane W C, PA 19380

610-793-2575(H) 800-441-7048 Ext 20507

BOARD OF DIRECTORS –

THE ROTARY CLUB OF WEST CHESTER - DISTRICT 7450

Charles Streitwieser, President; Steve Quigley, President-Elect; Gary Hewitt Vice-President; Carl Werner, Past President; Patricia Kotsay, Secretary; Victoria Dow, Assistant Secretary; M. Robert Clarke, Treasurer; Steve Karp, Sergeant At Arms; Phil Sacks, Assistant Sergeant At Arms
Board Members: Joe Hamel, Carol Hanson, Gary Hess, Ken Hickman, Annalie Lorgus, John Olszewski, John Schwab, Joanne Tadeo, and Scott Scrivner, Ex-Officio.

John H. Grant, District Governor

Betty Ann Flynn, Asst. District Governor Area 8

Robert Poole, III, M.D., P.D.G. 1980-1981

“HOW TO GET IN TOUCH”

Rotary Votary Committee: Faith Woodward,
Publisher Work: 610-918-3432 Home: 610-692-5411 Fax: 610-918-3404 e-mail:

fwood@bf.kendal.org

Mark Sammarone, Vice-Chair and Web site maintenance

Committee Members: Jim Gasho, Elizabeth Guman, Craig Kalemjian, Steve Karp, Fran Luft, Eric Metzker, Cathy Palmquist, Joe Polito