



'SPARKS' OFF THE ROTARY WHEEL
An Award-Winning Newsletter

**The Rotary Club of Altadena meets Thursdays at noon
 at the Altadena Town and Country Club**

Rotary Club of Altadena - #772
 Chartered: February 14, 1949, P.O. Box 414, Altadena, CA 91003
 RI Pres: Gordon R. McInally, Dist. 5300 Gov: Michael L. Soden



D.Vance Graphics
May 30, 2024

MAY IS: YOUTH SERVICE MONTH

THIS WEEK: JACK FORRESTEL
TV PRODUCTION DESIGNER AND MEMBER, ART
DIRECTORS GUILD AND THE ACADEMY OF TELEVISION
ARTS AND SCIENCES

Altadena Town and Country Club, Thursday at noon
 Program Chair: Ed Jasnow

Officers
 President: Dr Dawn Digrius Smith
 Vice President: Doug Colliflower
 President Elect: Maricela Viramontes

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Secretary: James Gorton
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 Maria Perez-Arton
 Mark Mariscal
 Sarah O'Brien
 Maricela Viramontes
 Doug Colliflower
 Dawn Digrius Smith
 Brad Roeber

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 Club Executive Secretary: Mark Mariscal
 Membership: Maria Perez-Arton
 & Brad Roeber
 Foundation: Steve Kerekes
 Projects: Mike Zoeller

Subcommittees
 Community Service: Craig Cox
 Vocational Service: Steve Kerekes
 Youth Contests, Scholarships, Awards: Mike
 Zoeller
 Youth Activities: Tony Hill
 International Service: Sarah O'Brien



Jack Forrestel has been a member of the Art Directors Guild and The Academy Of Television Arts And Sciences, since 1984 when he began work as an art director in the television industry. He is currently the

Production Designer of, THE BOLD AND THE BEAUTIFUL, at CBS TELEVISION. During the last weeks of 1986, he joined then Production Designer, Sy Tomashoff to create scenery for the award-winning program. Over the course of the next thirteen years, Sy and Jack were honored with five Emmy Awards for their work on the show. In 2012, Jack won the Emmy Award for Production Design, for his work on, THE BOLD AND THE BEAUTIFUL.

Prior to working for Bell-Phillip Productions and CBS, Jack worked as an assistant art director on SANTA BARBARA, and LET'S MAKE A DEAL, at NBC in Burbank. In addition to his work in television production design, Jack has completed scenic designs for a variety theatrical productions in the Los Angeles area. Over the past forty years, Jack has designed numerous CBS Corporate Meetings and Events for Affiliates, including CBS NEWS, and LATE NIGHT WITH TOM SNYDER.

Jack holds a BFA from The Philadelphia College of Art, and an MFA from Temple University. In 1983, he was the recipient of the prized summer internship in Art Direction, awarded by, The Academy Of Television Arts And Sciences. In concert with THE BOLD AND THE BEAUTIFUL and CBS TELEVISION, Jack has provided a home to the Academy's summer art direction interns for twenty-two years.

<https://www.ecsforseniors.org/montecedro/>



REMEMBERING AND HONORING Memorial Day Flags up on Lake Ave by volunteers including Doug, Tony, Mark and Peter Husking (Rtn AZ)

Altadena Grocery Outlet is Proud to Host

The Semi-Annual Pancake Breakfast
Benefits Altadena Mountain Rescue Team (AMRT), Altadena Town Council (ATC), and Outward Bound Adventures



GROCERY OUTLET
Bargain Market

Saturday, June 1, 2024 • 8:00-10:30 am

Here or To-Go Tickets \$5.00
Tickets available at Sheriff Station, El Patron Restaurant, Grocery Outlet or altadenarotary.org
Sheriff Station (626) 798-1131

Donate through PayPal or Venmo, make it in for Pancake Breakfast, and tickets will be held at door.

Proceeds benefit AMRT, ATC, and Outward Bound Adventures | Sponsored By - **Rotary**

LAST WEEK: TODD BARBER Senior JPL Propulsion Engineer THE MARS 2020 MISSION

Program Chair: Ed Jasnow

Review: Mike Zoeller



Our speaker last week was Todd Barber, Senior JPL Propulsion Engineer, speaking on the JPL Mars 2020 Mission that landed the *Mars Rover Perseverance* and the *Mars Helicopter Ingenuity* on the Martian surface. For over two decades, Todd has been Lead Propulsion Engineer on a number of well-known JPL missions which are

described in Todd's biography, written by Ed Jasnow and available in the Sparks edition of May 23. See the issue on the Club website at www.altadenarotary.org .

Pancake Breakfast!
Tickets are now available for our June 1 Pancake Breakfast at El Patron and Grocery Outlet. Please invite friends, family and neighbors! The event benefits Outward Bound Adventures, Altadena Town Council and Altadena Mountain Rescue Team.



Dawn, Elizabeth and Sue

Todd's presentation was a fast-paced look at the specifics of the JPL Mars 2020 mission which was designed to find out how, when, and why Mars underwent dramatic changes to become the harsh planet we observe today. The mission of the Mars Rover *Perseverance* is to seek signs of past life on Mars, collect and store a set of soil and rock samples that could be returned to Earth in the future, and test new technology to benefit future robotic and human exploration of Mars.

Todd first described the details of July 30, 2020 launch, the ballistic path taken by the *Perseverance*/Ingenuity module on its way to Mars, and the February 18, 2021 parachute landing on the Martian surface. The landing of the module was accomplished by the "sky crane" technique developed during the JPL Curiosity mission, which involved lowering the package from the rocket-powered module by a tether until it was slow enough to drop by parachute to the surface.

The rover included seven sophisticated instruments which were intended to measure virtually all aspects of the Martian surface. They included 23 cameras, lasers to blast the Martian soil and rocks to obtain samples, 2 microphones to record the Martian wind and a complete weather station.

The Ingenuity helicopter was an experimental vehicle to test the ability to conduct actual flight in the thin Martian atmosphere. It was a specially-designed, 4-pound vehicle with four counter-rotating props spinning at 3,000 rpm, which allowed the copter to lift off in the thin atmosphere. All communication of data and video from Mars to Earth took 5 to 20 minutes depending on the orbits of Earth and Mars.

There were a number of interesting and secret codes integrated into the rover and the parachute that dropped the payload. The rover wheels had a tread design that impressed on the Martian soil a Morse Code for the letters "JPL" (you old scouts may remember Morse Code). There was also a binary code on the parachute, that could be seen and videoed from the module, which read "Dare Mighty Things".

To conclude, Todd showed a video of the landing, taken from the module, and played a recording of the Martian wind.

Todd's exciting Martian adventure was a pleasure to participate in, and our thanks to Todd for a great presentation!



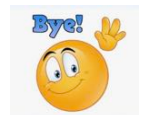
Altadena Rotary Projects and Events Calendar

Craig Cox

- June 1 - Pancake Breakfast at Grocery Outlet
- June 29 - Melodia Mariposa Concert
- July 6 - Take down Flags on Lake Avenue
- July 6, 13, 20, 27, August 3, 10, 17, 24 - Summer Concerts
- August 31 - Melodia Mariposa Concert
- September 7 - SSGA Concert

To register for any event go to [DacDB](#), Login, elect the My Club, tab, go the the Calendar icon, and go to the date.

June 27 - President Dawn's Demotion Party



CONCERTS IN THE PARK

Presented by: The Rotary Club of Altadena in Cooperation with LA County Parks & Recreation

27TH ANNUAL CONCERT SERIES 2024

All concerts are FREE and start at 7:00 p.m. on the following Saturdays at the Amphitheater at Farnsworth Park (568 East Mt. Curran Avenue, Altadena, CA 91001)

SATURDAY, JULY 6 PHAT CAT SWINGER	SATURDAY, JULY 27 SANGRE NUEVA BAND	SATURDAY, AUGUST 17 PAST ACTION HEROES
SATURDAY, JULY 13 BRITAIN'S FINEST	SATURDAY, AUGUST 3 MISKEY MOUNTAIN BOYS	SATURDAY, AUGUST 24 GHOST IN THE MACHINE
SATURDAY, JULY 20 EAGLES RONSTADT EXPERIENCE	SATURDAY, AUGUST 10 UPSTREAM	SATURDAY, SEPTEMBER 7 TBD

To learn more about Altadena Rotary Clubs and the Concerts in the Park, visit www.altadenarotary.org.

THANK YOU TO OUR SPONSORS

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