



## ARE YOU READY FOR WAI?

**The 26th Annual International Women in Aviation Conference in Dallas is just around the corner.**

I will have more to report after the conference including photos. Until then, here is a brief preview.

Our booth, number 411, is located near the main entrance where we will get a high volume of traffic.

We have new giveaway items this year—red luggage handle sleeves, pictured below.

Anyone that meets the qualifications will be able to join ISA at our booth.

We are giving away gift bags filled with ISA logo goodies to the first 40 ladies that join.

Please tell your non-member friends and co-workers to come see us at the conference.

**Check the event calendar on the website for more information.**

I'm looking forward to seeing you in Dallas!

**Kelly Knebel** [WAlevent@iswap.org](mailto:WAlevent@iswap.org)



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**Two board members are stepping down in May: Nancy Novaes and Shannon Jipsen.**

## Chairwoman's Report *Nancy Novaes*

Our winter board meeting was a busy and crowded affair. All directors were present, plus we had Amy Jayo, ISA Store Coordinator, attend to present her wonderful ideas regarding ISA items with our modernized logo. In addition, we ran a Scholarship Pre-selection Committee to determine the finalists for the ISA Type Rating Scholarships, with the able assistance of First Gentleman, Laird. Some of our Standing Rules were changed, including the Scholarship allocation formula, which was dropped. We review Scholarship allocations annually, so this rule became redundant. The draft minutes can be accessed on the website.

We are currently preparing for the Women in Aviation, International, Conference, March 5-7 in Dallas, Texas. The ISA Conference 2015 in Berlin is coming up, May 12-14, and the next newsletter with all the details is in the works now. We are already pre-planning Conference 2016 in San Francisco.

**As my term as Director and Chairwoman comes to an end**, I've spent some time reviewing our organization and preparing the Operations Manual. My Operations and Bylaws Committee report to the Board was a brief "class" to teach the Board ISA's structure, and the practices and rules that keep us a viable corporation as well as a fun place to go. All our important rules and regulations are available for members on our website in the file called "Operating Documents." We are hoping to have an updated Ops Manual available on the website later this year.

For all of us, our club is first and foremost the place we can go for friendship, company, understanding, and fun. Only other pilots understand our careers and only another woman airline pilot can understand our lifestyles. This is the networking and mutual assistance that makes ISA so valuable to each and every member. It also provides a valuable resource for the public, a research tool, and a reference for those hoping to explore the world of Big Aviation.

But we are more. We work hard to bring more women into this profession by mentoring and scholarship. In order to accomplish this, we became a corporation whose business is networking and scholarship. We are also a 501C3 charity, which means that in addition to the rules of our incorporating in the state of Nevada, we are bound to specific duties and obligations to our members and the public. This is not as difficult or as challenging as it might seem, and the benefits of our non-tax status help us raise the money we need for our scholarship and mentoring programs.

We have the will; so we find the way. **We invite you to join us on the ISA Board of Directors or on a Committee.** Your energy and assistance is what keeps us an active and valuable resource for the professional aviation community. And, as I said, it's fun.

**Back row: Kara Hatzai, Kelly Knebel, Denise Terpstra, Nancy Novaes, Karen Guadagni, Kathy McCullough, and Amy Jayo.**  
**Front row: Liana Hart, Shannon Jipsen (iPad), and Eva Brock.**



Our winter board meeting was held in Phoenix on January 13, 2015.

**MEMBERSHIP***Denise Terpstra***NEW ISA MEMBERS**

Debra Balsley—SkyWest  
 Megan Bergmann—Express Jet  
 Linda Berlin—Allegiant  
 Angela Brewer—ExpressJet  
 Piper Hammond—ExpressJet  
 Jill Hudson—Envoy Air  
 Marisa Palacio—jetBlue  
 Rebecca Raymond—Allegiant  
 Leslie Treppa—Envoy Air  
 Jennifer Wise—ExpressJet  
 Jessica Wolcott—Endeavour Air



Gail Jones, Pilot's Rainbow

**Returning ISA Members**

Laura Cox—United  
 Laura Forsyth—jetBlue  
 Sherrie Laurie—Ravn Airlines  
 Lennie Muttick-Sorenson—Continental Airlines (**Charter Member**)

## Membership Totals:

- Active – 333; International – 25, 7.5% International Members in 12 countries not including United States.

**CONFERENCE***Shannon Jipsen*

Hello ladies,

It's that time of year again to be thinking about the ISA conference. This year it's being held in Berlin, Germany, May 12-14, 2015 with a post conference side trip to Dresden, Germany May 15-17, 2015. The registration details are being finalized this week and the website will go active next Monday evening February 9, 2015. Our hotel is the Westin Grand Berlin and the link to the group rate website will also be added so that you can begin booking next week. In Dresden, our hotel is also a Westin and more details are to follow on how that hotel will need to be booked. Please be watching the [www.iswap.org](http://www.iswap.org) website for conference information and again, mark your calendars to join in the fun in Berlin.

Fly safe and see you in May!

ISA Events Director Events [events@iswap.org](mailto:events@iswap.org)

Please print this WAI party invitation and place it on your company's bulletin board!

*You are cordially invited*

*To the 3rd annual*

*ISA Membership Social  
At Women In Aviation*

*Friday, March 6, 2015*

*7:30pm to 9:30pm*

*Room: Coronado D*

*All members and potential members welcome*

*Casual dress*

## ARCHIVES

*Sandy Anderson*

The agreement with Texas Women's University is moving along. This is the latest contract that we are sending to Sylvia Paoli, our ISA lawyer, to approve.

The **International Society of Women Airline Pilots, ISA+21**, initially formed as a social club in 1977. In 1994, it was incorporated in the State of Nevada as a non-profit corporation. The mission of ISA+21 is a charitable, non-profit organization of career women airline pilots whose purpose is to: celebrate camaraderie; support informational exchange and social interaction among its members in a healthy environment; provide aviation scholarship opportunities for career-seeking women; and inspire future generations of women aviators via educational outreach.

The **International Society of Women Airline Pilots, ISA+21**, does hereby give and grant to the Woman's Collection at Texas Woman's University, as a donation for such scholarly and historical purposes as shall be determined by the Coordinator for Special Collections, materials relating to the organization including but not limited to: news clippings; photographs; audio; video; printed materials i.e., brochures, postcards, booklets, programs, etc.; ephemera; artifacts; clothing; uniforms; textiles; trophies; awards; certificates; journals; magazines; articles; board minutes and agenda; membership minutes and agendas; membership rosters; ledgers; treasury reports; and other materials as deemed historical in value. [sic]

Further, The **International Society of Women Airline Pilots, ISA+21**, agrees to the following stipulations:

1. Access: This property shall be open to the research public without restrictions unless specified as follows:
2. Property rights and copyrights: Upon transfer to the Woman's Collection, the above-described property is conveyed irrevocably to the Woman's Collection and TWU Libraries, including copyright.
3. Duplication: The Woman's Collection reserves the right to duplicate or reproduce this property for purposes of preservation, security, and or dissemination for research.

## STORE

*Amy Jayos*

Hello ladies! Lots of changes in “store” for you!

The ISA BOD and the store have decided that the old logo items and old store items will be made available to the membership as promotional items. What that means to you is if you would like to order older store items (old logo) we ask that you donate at least enough to cover shipping costs and any more you would like to donate! So if there are old items that you are interested in, they are still on the ISA website under store. We can do larger orders for school visits and such. Just keep in mind I would rather not have to pay out of my pocket for the shipping. Donate at will!

As for the new logo items we now have. We purchased new luggage tags and lapel pins with the brand new logo. They both turned out very cool! The lapel pin and the new luggage tags will be available on the ISA website also! The lapel pin is \$5 + shipping, and the luggage tags are \$2 + shipping.

We are looking at new and exciting plans for future items for the store.

Please feel free to email the ISA store if you have any questions, the link is on the ISA website too!



## COMMUNICATIONS

*Kathy McCullough*

Captain McCullough,

In response to your question as to the number of women employed as US airline pilots, we have consulted with our Economic and Financial Analysis team and have the following statistics for you. It should be noted that the DOT reports annual pilot numbers, but does not break-down the numbers as to which are male and female commercial pilots. We reached out to the DOT today for any updates or details they might have, and once received, we will forward on to you. This may take a few days.

ALPA's membership is about 5% female. Some recent articles source the FAA with reporting 8,175 female commercial airline pilots in the US—accounting for about 5% of the industry. The Air Force also has been quoted as a source reporting that females make up about 5% of their pilot numbers. Internationally, the International Society of Women Airline Pilots reports 130,000 airline pilots worldwide (using IATA numbers) with 4,000 female (with the majority in the US).

Kari.Cantrell@alpa.org

## Captain Kahn Goes the Distance



On April 28, 2014 Captain Karen M. Kahn set the parking brake on her Boeing 757 for the last time, becoming the first ISA charter member to retire at age sixty-five. The completion of her nearly thirty-seven year career was celebrated on May 9th at the historic Santa Barbara Club, in the city she has called home for the duration of her employment as a pioneering female pilot with Continental Airlines.

Over four decades ago, when Karen was nineteen, she took her first flying lesson at the urging of a friend and discovered what would become a lifelong passion. Experience-building jobs and a college degree led to a 7/11/77 class date

with Continental Airlines, where she joined three other women in the first group of female pilots hired by the company, and among the earliest in the nation.

Karen, along with fellow pilots Claudia Simpson Jones and Lennie Muttick-Sorenson, attended the first social gathering of female airline pilots in May, 1978 in Las Vegas, Nevada, becoming charter members of ISA+21. Four years later Karen was elected as ISA's third President. Her 1982-1984 term advanced the professional standing of our organization, the most visible being the refinement and production of the original logo and jewelry.

Career highlights include flying in the South Pacific for Air Micronesia, advancing through the ranks and serving as captain on all-female crews. Difficult times were Continental's two-year strike and the company's bankruptcies and base closures requiring years of commuting. Throughout her career, Karen consistently pushed for correction of safety issues she discovered on the job, and volunteered her time and efforts to union work, CIRP support committees, and as IFALPA representative.

Karen's desire to share her experience through encouragement and mentorship led to the founding of Aviation Career Counseling in 1989. Her professional avocation brought many public speaking opportunities, as well as authorship of "Flight Guide for Success" (3rd edition), and over one hundred articles published in various aviation journals and magazines. She is a six-time Master Flight Instructor and longtime member of the 99s and Women in Aviation. In 2009 she was inducted into the International Forest of Friendship, joining aviators of world renown, including some of her own ISA sisters.

Karen continues to enjoy flying her Beechcraft Baron and remains active in the organizations to which she has contributed so much. Retirement plans include travel, cycling, kayaking and sailing—and, as always, saying "yes" to new adventures and requests to help women advance themselves. The members of ISA extend heartiest congratulations and thanks to Captain Karen Kahn on her remarkable career of service, leadership, and example.

## IFALPA Representative Karen Kahn Retires



The two civilians in the CPO (LAX) are Steven Mangold, a friend from high school who bought a First Class ticket and rode from SFO to LAX with us on 4/28/14, and my good friend, Nola Force, who was my buddy on the last adventure, flying to SFO from SBA, and then drove home with me.



*Many thanks to Jean E. Harper for writing the story on Karen's last flight. Ed.*

The jumpseater is my good friend, Captain Lee Wilkerson, SWA, who kindly showed me just how many times we move our heads while flying by videoing our departure and arrival from the jumpseat.

This photo of me with a female first officer and all female flight attendants was taken several years ago when we figured out that between the seven of us we had 200+ years of experience, and I was not the most senior at about 35+ at the time.



The FO is Glenn Trautmann (he lives in Denver and is based in IAH) with whom I spent several great flights, including a two day layover in Maui with him and his family. We were not able to pick our crew for the last flight, but fortunately Glenn was able to bid the trip on his own. Last flight FA crew is the group with me and the 5 of them...all friends from IAH who I'd often flown with and was thrilled to have on my last flight.

I started as IFALPA's chair in 2011 and attended IFALPA conferences in Chiang Mai, Thailand (2011), Paris (2012), Dublin (2013), Panama City, Panama (2014) and my last will be in Madrid (2015) with our new IFALPA representative, Tara Traynor Cook.

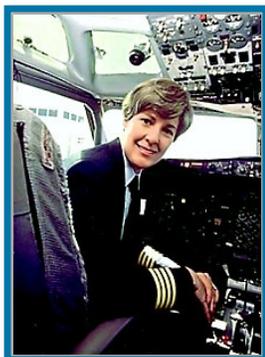


## Retirements

Mary Trusler's party was at Galaxy FBO in Conroe, Texas. She retired from United (Continental) after 24+ years flying with them. There were many who attended including some ISA gals. Liana happened to have an overnight in Houston and was invited to attend. "Any gathering with at least two ISA gals in attendance is an event to remember," Liana said.



Jane Shuring, Linda Friedman, Mary Trusler, Lynn Ripplemeyer, and Liana Hart.



WHO: Grand County Board of County Commissioners (BOCC) and Emily Warner, America's First Female Airline Captain

WHAT: Grand County BOCC formally present a copy of the resolution incorporating her name into Granby/Grand County Airport—Emily Warner Field—to be enshrined with the newly created Granby-Grand County Airport Pioneers Wall of Fame, which is located inside the former Rocky Mountain Airways Airline terminal. The Airport Pioneers Project was funded and organized by the Friends of Granby Airport, Inc., with the research assistance of the Grand County Historical Association.

WHERE: 1023 County Road 610 at Granby Airport, aka KGNB [www.granbyairport.com](http://www.granbyairport.com)

This historic presentation will be held in conjunction with the annual Experimental Aircraft Association (EAA) Chapter 1267 Community Pancake Breakfast & Fly-In being held from 7AM to 10AM, Saturday, July 11, 2015 See [www.eaa1267.org](http://www.eaa1267.org) The primary goal of the EAA Chapter is to promote aviation education and career development. The popular Scholarship Silent Auction (SSA) will also be held during this community event. All the funds raised from the EAA SSA benefit local students participating in the national EAA Air Academy in Oshkosh WI and Grand County college students pursuing aviation careers. Please feel free to circulate, forward, and/or publish this announcement and add it to your calendar of events.

Penny Hamilton, Secretary, Friends of Granby Airport [www.pennyhamilton.com](http://www.pennyhamilton.com)

# MEMBER NEWS

Kelly Knebel, our WAI Event Coordinator, received a call from her chief pilot during our board meeting. He was asking her to attend this luncheon. Kim agreed, laughing, saying she thinks they got the wrong person, a lowly first officer, to be represented along with these other talented women. We know she's more than worthy.

Alaska Airlines bought her four-day trip and, "Oh, I also get a free lunch...I'm a cheap pilot after all. I chose to speak about helping young women who want to get into a male-dominated career. I thought it would be a great occasion to talk about ISA and what we do for young, aspiring airline pilots."



## WOMEN IN MALE-DOMINATED CAREERS

### MAKING A DIFFERENCE

Friday, February 6, 2015 • 11:30 a.m.—1:30 p.m. • China Harbor Restaurant • 2040 Westlake Ave. N., Seattle

<b>Honorees</b>					<b>Prime Sponsor</b>	
 <small>Kathleen O'Toole Chief of Police Seattle Police Department</small>	 <small>Gita Bangera Dean of Undergraduate Research Bellevue College</small>	 <small>Linda Dehobbi Director of Public Works City of Redmond</small>	 <small>Sriakshmi Remala Sri Independent Tech Consultant Remala Consulting</small>	 <small>Cheryl Reston Deputy Director of Public Works City of Snohomish</small>		
<b>Sponsors</b>					Name: _____ Address: _____ Telephone: _____ Fax: _____ Email: _____ Organization: _____ Title (if applicable): _____ Name of guests: _____ <input type="checkbox"/> Mastercard <input type="checkbox"/> Visa Card no.: _____   Exp. date: _____   Signature: _____	
 <small>Kim Postigo Vice President 783 Production System Operations of Boeing</small>	 <small>Michelle Mills Clement Executive Director/CEO Commercial Brokers Association</small>	 <small>Stephanie Caldwell Small Business Program Manager Absher Construction Company</small>	 <small>Kelly Knebel First Officer, Pilot Alaska Airlines</small>	 <small>Joyce Yen Program/Research Manager UW ADVANCE Center for Institutional Change</small>	   	
 <small>Shira Brasch Professor WSU School of Electrical Engineering &amp; Computer Science</small>	 <small>Melissa S. Rice Assistant Professor of Planetary Science WWU Geology Dept. Phys/Astronomy Dept.</small>	 <small>Dawn Gidner Radar Systems Engineer Honeywell Aerospace</small>	 <small>Tina Soike Director of Engineering Services Port of Seattle</small>	 <small>Tonya Jimale President &amp; CEO Jimale Technical Services, LLC</small>	 <p style="font-size: x-small; margin-top: 5px;">                     WOMEN OF COLOR EMPOWERED CO-CHAIRS: Bonnie Miller and Sylvia Cavazos    PLANNING COMMITTEE: Elizabeth Younger, Kiku Hayashi, Corrie Sugahara, Diane Martin, Francine Grigg, Kathy Purnell, Lenny Valerio-Bufoni, Winona Helms-Haug, Assunta Ng, Doko Toyama, Rosa Melendez, Lourdes Simpera Tsukada, Sonia Doughty, and Carol Cheung    LUNCHEON PRICING: Discounted price of \$35 if purchased by February 4. Full price of \$45 after February 4. Walk-ins \$50. Student price of \$25 with I.D. before February 4; \$30 after February 4; student walk-ins \$35. No tickets will be mailed; confirmation is by e-mail only. \$350 for a table. To sponsor the event including logo online and print and table is \$1,000. Buy tickets online at <a href="http://www.brownpaperickets.com/event/1224569">http://www.brownpaperickets.com/event/1224569</a>. Men are welcome! <b>MAKE RESERVATIONS:</b> To purchase tickets, call us at 206-223-0623, fax the above form to 206-223-0628, mail a check to Women of Color Empowered, P.O. Box 3468, Seattle, WA 98114, or email <a href="mailto:rvp@nwasianweekly.com">rvp@nwasianweekly.com</a>. For more information, visit <a href="http://www.womenofcolorempowered.com">www.womenofcolorempowered.com</a>.                 </p>	

<http://www.nwAsianweekly.com/2015/01/making-difference-honoring-women-male-dominated-careers/>

**Kelly Knebel** emigrated from South Korea to the United States when she was 17. "That first flight was long, uncomfortable, turbulent, and unforgettable...and I knew right away I wanted to pursue a career in aviation! Growing up in Korea, the only option in aviation was to be a flight attendant—female pilots were unheard of." After learning English she left college to work for a major airline as a flight attendant. What she enjoyed most was spending time in the flight deck learning about airplanes during the long international flights. She returned to college, completing flight certificates and ratings and degree while still working as a flight attendant. After graduating with honors in Aerospace Science, she accumulated flight hours by instructing and then worked for a small commuter airline becoming a captain and a check airman. In 2006 she landed her dream job when she was hired by Alaska Airlines. She is a board member for the International Society of Women Airline Pilots, a non-profit organization that provides scholarships and mentoring.

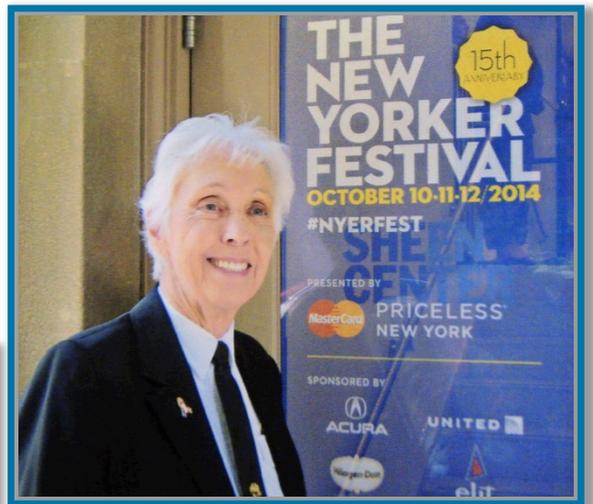
# MEMBER NEWS



Rumor had it that Stephanie Gates is now Stephanie Gates Sun. She confirmed it: "I got married in May, in Orlando, to a tall, handsome, wonderful man, YuKai Sun is his name! I'm still at SkyWest as a captain and don't have any career news just yet."



The picture above was in the last Women in Aviation magazine, Audrey Maddox, teaching a little boy how to fly a traffic pattern. When I sent her a copy, Audrey laughed and said, "That little boy is inspiring! The hardest part was getting the runway markings right. LOL."



Honorary member, pilot Wally Funk, will be at Women in Aviation this year. She is the one to thank for her kind donation so that we will have cheese trays at our ISA WAI social this year.



Special thanks to Denise Terpstra for stretching our ISA contrails banner into a header for the newsletter!

## MEMBER NEWS

The Florida Goldcoast Chapter of the Ninety-Nines, Inc. scholarship brunch and holiday celebration, December 7th, 2014 in Miami, Florida. Laurie's talk was, "*Women in the Cockpit—Transforming the '70s.*" She did a splendid job capturing what it was like for most (if not all) of us "pioneering" female airline pilots back then!



Captain Kimberley Lowe, American Airlines, pictured above left. Captain Laurie Reeves, above right.

Below: Elizabeth Powell, ExpressJet; Christi Dobelli, AA; Kimberley Lowe, AA; Laurie Reeves, UAL (ret.); Kimberly Bosma, jetBlue; Maria Ziadie-Haddad, Atlas Air.



## MEMBER NEWS



Maria Haddad and Paula Colegrave pictured right.

### HAPPENINGS AT HAWAIIAN AIRLINES

HA 14-



Captain Anaseini Zarka (second from left) and her husband Chris, with their daughters Kaimara (left) and Maria.

TIM ORDEN

## First in Flight

Anaseini Kamelia Lino Zarka holds a special place in aviation history. She is the first Tongan woman to earn the rank of Captain at a commercial airline. Born and raised in Nuku'alofa, Tonga, Anaseini is also a child of the world: She attended university in Bergen, Norway, and also spent brief stints living in California, Washington, Michigan, the Bahamas and Fiji, before settling in Hawai'i twenty-five years ago.

Anaseini began her career at Hawaiian Airlines as a flight attendant in 1992. In 1999, she became a flight engineer/second

officer flying on DC-10s, then worked her way up to the first officer's seat on the Boeing B767s before achieving the rank of captain on the B717.

"What I love best about my job is that our flight crews have the choice of being at home every night with their family or flying worldwide," says Anaseini. "No other major airline gives you that choice. In addition, I love being able to watch the sunrise every morning from the best seat in the plane, and then follow that up by greasing a landing."

I met Paula Colegrave, Captain American Eagle, and her husband, also a pilot at American Eagle, at the December Pilots for Kids event in Miami. She's an ISA member too. Seven pilots participated, representing Delta, American, Republic, Envoy, UPS and Atlas. Seventy kids were treated to Santa, Spiderman, toys, food, and a great party.

Maria Haddad

Suzanne Skeeters sent the article on the left. Thanks to everyone who sends me things for the newsletter. The more you send the better our newsletter and website will be. *Ed.*

[communications@iswap.org](mailto:communications@iswap.org)

## Mozambique

*Kim Bodoczky*



In October 2014, my husband Steve and myself embarked on an unforgettable adventure to Pemba Mozambique. The best way to describe Pemba Mozambique is that it is a place that is both sadly derelict and hopelessly breathtaking. From the 1500s to 1964 Mozambique was a colony of Portugal. Located just south of Tanzania, and on the eastern coast of Africa, Mozambique became a Portuguese launching point for the spice trade across the Indian Ocean. Being a colonial hub, Mozambique melted into a blend of of cultures and flavors which include Swahili, Arab, Persian, and various local tribes. In

1974 Mozambique became independent after a 10 year war of independence. Sadly, no one could get along after becoming independent and the young country fell into civil war that lasted until 1992. Millions fled and the infrastructure deteriorated. Since 1992 Mozambique has been slowly rebuilding its land and bringing back the tourism that was thriving during the 1950s and early 1960s.



Pemba in particular was one of the hot travel spots for the Portuguese during that time. It is a tropical port town in the northern region of Mozambique with indigo waters and miles of unspoiled beaches. During our visit, we wandered the markets, went diving on unexplored reefs, and ate a fusion of spices that tickled our taste buds. The local people were friendly and were curious about us. In particular, the women found me perplexing since I am a pilot and in general women in Mozambique do not work with “machines.”

There are still defined roles between men and women, however, that is slowly changing. I had the good fortune to meet an amazing lady, Sara, the owner of IKURU clothing. She rescued women who were stuck in the sex trade and gave them jobs working as tailors. This was huge since these were disenfranchised women who are now working a sewing machine.

You can learn more about them at <https://www.facebook.com/ikuruproject>.



# Mozambique *(continued)*

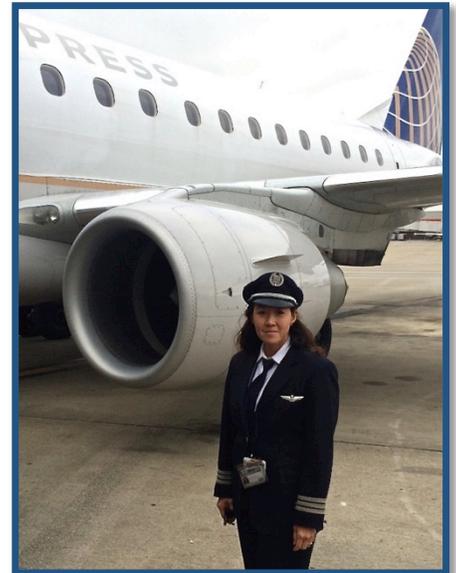


Overall, Pemba Mozambique was spectacular yet it is still finding its way in the world. Sort of like most of us in our journey through life. You can see more of the story at [www.flygirlidiaries.com](http://www.flygirlidiaries.com).

I hope to have video and pictures of Pemba posted soon.  
Fly safe everyone and get out there.

It's a beautiful world.

Kim



# Women in Uniform



There's always something fun on Facebook.  
LaGrande, Oregon Lifeflight crew below.

Don't forget to check ISA's Facebook page!

Carolyn Pasqualino sent this photo: "United Flight 835 is an unmanned flight today! Chicago-Shanghai with 4 women pilots." (February 8, 2015)



## Glory

*Becky Howell*



The official name for “A Pilot’s Rainbow” is glory. It was first described by the Swiss hiking in the Alps over 500 years ago. When they’d get above the cloud layer they’d see an incomplete rainbow because they were still standing on the ground. As pilots we get to see the complete circle because we are not.

There can be as many as five concentric rings. I’ve never seen a five and I’ve never photographed a four, but this is one of the very best photographs of a single that I’ve ever seen. When you see multiple rings the sequence of colors will be the same for each ring. When you look at double rainbows (as in Kathy McCullough’s photo below) you will see that the rings alternate the color sequence. The aircraft

shadow inside the ring of a glory is called a “pilot’s cross.” It was named during WWI by the early fighter pilots that figured out that they could use the sun as a defensive tactic. ((The diffraction of the light rays around the fuselage bouncing inside (the internal refraction) the water droplets of the clouds below causes this phenomenon.)) In my opinion it is one of the most beautiful things that we get to see.

You can tell the position of the observer from the photo. In this instance Gail was most likely on the flight deck. She “could” have been in the very first portion of first class but I suspect that she took this at cruise during flight. Someone taking the photo from the center of the fuselage would have shown the glory centered around the wing (the photographer’s position). Taking the photo from near the tail would have it centered there. One other “tidbit”: when you see the “white spot” on the down-sun side of the aircraft on a cloudless day that is called the “anti-solar point.”

Okay...yet another...it took me several months to get the answer to this one: imagine yourself flying away from the sun. At sunset on a relatively clear day you’ll see rays of darkness that converge ahead of you as “the terminator” (the earth’s shadow) gets stronger. I was curious about what the name for those rays might be so I asked a friend that is an astronomer and Continental (now United) pilot. It took a while to get the answer but they are called “anti-crepuscular” rays. Remember the photographs usually used as religious backdrops that have the rays of light shining through cumulus clouds? Those (looking toward the sun) rays are called crepuscular rays. Looking away from the sun with the apparent convergence on the horizon...they become “anti-crepuscular” rays. There’s your meteorology trivia for the day. Thanks to Gail for sharing such a gorgeous photo! (No, I’m not a meteorology guru but I am a photographer with an insatiable curiosity!)



For a great read: *The Book of Clouds*, by John A. Day

## Member Events

### Jeppesen Job Opening

I am including a job opening description that a friend of mine is advertising at Jeppesen. I told him I would pass it along to some of my affiliations that have appeal internationally and maybe for some of our membership that have retired and looking for a position. The most outstanding qualification is familiarity with the regulatory and executive tasks involving the EASA (European Aviation Safety Agency).

Thanks for your attention,  
Krisan Wismer

<http://careers.jeppesen.com/JobDescription.asp?SuperCategoryCode=14874&JobNumber=746125&lang=en>  
**Jeppesen - Aviation Training Analyst 3**

Location: Englewood, United States

### Draft Minutes for the ISA 2015

<http://www.iswap.org/>

There is a button on the home page that will take you to the draft minutes, and a link to Cameron Byerly's (Norah O'Neill's daughter) story about being the daughter of an airline pilot.



Newsletter photos are available online for better printing.  
Thanks again to my *awesome* proofer Becky Howell.

All remaining mistakes are mine. *Ed.*

Maureen Hallacy would like to announce a fundraising event sponsored by Chicago's Leading Edge Chapter of Women in Aviation and sponsored by Sporty's, Lewis University, FAA, EAA, Aircraft Spruce, and Chicagoland Aviation.

### Fundraising Event

*Women in Aviation International*  
*Chicago's Leading Edge Chapter*

FEBRUARY 26, 2015

FITZ'S SPARE KEYS

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[www.fitzsparekeys.com](http://www.fitzsparekeys.com)

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AND ENCOURAGE YOUNG PEOPLE IN AVIATION.

## Industry News



- In response to low industry numbers, BA launched Future Pilot Programme
- Recruiting tactics have changed, with more women encouraged to apply
- These vintage adverts show stereotypical 50s and 60s recruitment rhetoric

By [Katie Amey for MailOnline](#)

Published: 14:45, 21 December 2014

British Airways took on its first female pilot in 1987 and has been actively recruiting more women to its top ranks ever since. As of 2013, the airline had more female pilots than any other UK carrier, though BA's Director of Flight Operations, Captain Stephen Riley insists that the 'number doesn't nearly represent the general population. In response to the lack of women pilots, BA has launched an 18-month 'Future Pilot Programme' in recent years - a cadet training scheme, which is open to all.

With hopes that the numbers will continue to rise, we take a look back at the profound shift in recruitment tactics that has taken place over the years. It's clear that many airlines used to look to females as “trolley dollies” or “mothers” who were there to serve you while on-board. Men, on the other hand, were encouraged to try their hand at flying, using military-inspired language to make the job that much more appealing. Advertisements for male pilots, however, made references to the military and inevitable in-air romances.

[http://www.dailymail.co.uk/travel/travel\\_news/article-2880940/British-Airways-recruiting-female-pilots-long-way-campaigns-fifties-sixties-trolley-dollies-mothers.html](http://www.dailymail.co.uk/travel/travel_news/article-2880940/British-Airways-recruiting-female-pilots-long-way-campaigns-fifties-sixties-trolley-dollies-mothers.html)

### Fearless British women perform death-defying stunts on wings of looping biplanes in skies over Dubai

<http://www.dailymail.co.uk/home/search.html?offset=50&size=50&sel=site&searchPhrase=&sort=recent&type=article&authornamef=Katie+Amey+for+MailOnline&authornamef=Katie+Amey&days=all>

Britons Danielle Hughes and Emily Guiding perform an elegant gymnastics routine and other stunts on the wings of the 1930s planes, battling 100mph wind gusts and intense G-forces.

<http://www.cnn.com/2011/TRAVEL/03/18/female.airline.pilots/>

### Why aren't more women airline pilots?

By **A. Pawlowski**, CNN March 18, 2011



The *Air Line Pilot* magazine has not done a story specifically on the low number of female pilots in the industry, but it has highlighted women in the industry—the most recent being Emily Howell Warner whose story was told in the November 2014 issue. ALPA cited Angela's piece above, and Kathi's on page 20.

<http://abcnews.go.com/blogs/headlines/2013/06/skys-the-limit-for-female-pilot-pioneer/>



Kathi Durst, pictured above.

## Sky's the Limit for Female Pilot Pioneer

A "Qualifying Pilot" is a woman who serves as a Flight Crew Member and holds a seniority number at a FAR Part 121 or 129 Air Carrier or ICAO equivalent and possesses an Airline Transport Pilot Certificate or ICAO equivalent. A "Qualifying Aircraft" is any aircraft that weighs over 40,000 pounds or 18,000 kilos flown on the certificate of a FAR Part 121 or 129 Air Carrier. Non-U.S. applications shall reflect corresponding qualifications.

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ISA+21 is a charitable, non-profit organization of career women airline pilots whose purpose is to: celebrate camaraderie; support informational exchange and social interaction among its members in a healthy environment; provide aviation scholarship opportunities for career-seeking women; and inspire future generations of women aviators via educational outreach.