

(Continued from page 3)

On July 1, 2012 Delta will begin reducing the 50-seat RJ fleet to 125 aircraft by 2015, resulting in a loss of 5,580 seats. Bombardier will accept a trade-in of 60 CRJ200s in exchange for 40 more 76-seat CRJ900s plus 30 more options.

Subsidiary Comair was shut down on September 29, 2012, after 35 years of operations in conjunction with Delta Air Lines. Delta Connection carrier Pinnacle Airlines will become a subsidiary when they emerge from bankruptcy, and receive 40 new CRJ900s for a total of 81. All CRJ200s will be traded in. Pinnacle will move its headquarters from Memphis to Minneapolis.

Airlines operating under Delta Connections titles are Chautauqua Airlines (Cincinnati), Compass Airlines (Atlanta), Shuttle Airlines (Atlanta), SkyWest Airlines (Salt Lake City), ExpressJet Airlines (Atlanta), and GoJet Airlines (Detroit).

Capacity to Brazil will be increased by 35% by replacing 767s on the route with 747s.

The LaGuardia hub in New York City, has 260 daily flights to 60 cities. Nine new international gates are being added at JFK airport.

Subsidiary Monroe Energy acquired the Trainor, Pennsylvania refinery on June 22, 2012, and came online last September. They refine jet fuel for most of Delta Air Lines domestic flights.

**FLEET LISTING FOR DELTA AIR LINES**

(As of December 31, 2012)

by Terry Love

TYPE	IN FLEET	ON ORDER
Airbus A-319	57	5
Airbus A-320	80	2
Airbus-A330	32	
Boeing 717 (last model of the DC-9, all bought from Air Tran Airlines)		88
Boeing 737	83	100
Boeing 747	16	
Boeing 757	167 (plus 23 stored)	
Boeing 767	93 (plus 8 stored)	
Boeing 777	18	
Boeing 787 Dreamliner		18
Douglas DC-9-50	18 (plus 16 stored)	
Douglas MD-88	117 (plus 3 acquired for parts)	
Douglas MD-90	50 (plus 15 stored)	

**Vice President's Report**

by Jeff Fries

March meeting will be the auction and if you have nothing to add to the pile please bring your wallet and be helpful to the club. This auction is our sole source of club revenue outside membership fees.

On another note we are in our 50th year and our oldest members have lost some of their talent through bad eyes and anything that prevents us from doing those things that made it a pleasure to work with our hands.

Myself, my building talent never advanced, though many other things managed to steal my

free time.

However I do remember some of the things that I could spend my time at when we used to hold the two day shows at the Malls of Southdale, Brookdale, HarMar and finally at the Registry Hotel. Fifty years, who could have thought we would be here.



**Articles Needed**

The content of The Aero Historian comes from the membership. Tell us about your projects.



# The Aero Historian



Volume 51 Number 3

Website: <http://www.aerohistorians.org>

March 2017



**50 Year Old Garage Queens**

by Bob Arko

**50th Anniversary**

by Bob Arko

I built a lot of models when I was in high school, and when I moved out my Dad boxed them up and forgot about them. Twenty years later he stumbled across them again and in the spirit of garage cleaners everywhere returned them to their maker. I had my own garage

space challenges, so I hung them up like a mobile from the rafters and parked under them. Thirty years later, they're still there. Underneath some dust and peeling decals, these guys are 50 years old.

This year our club is 50 years old, too. We must be doing something right.



**CLUB AUCTION THIS MONTH!**

*Be there, or Be square.*



**TCAH Officers**

- President**, Bernie Kugel
- Vice-President**, Jeff Fries
- Secretary**, Marty Agather
- Treasurer**, Dennis Strand
- Historian**, Tom Norrbohm

**Newsletter Info**

Article Submission Deadline: 22nd of each month

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Dennis Strand

**TCAH Auction This Month**

The AUCTION meeting will be held Saturday March 11, at Fleming Field, South St. Paul, beginning at 12:30 pm. Come early and review the pile for treasures to snipe.



**President's Report**  
by Bernie Kugel

Hey guys,  
  
 Getting ready for our annual auction this month. I'm hoping to start the auction at 12:40 and hope we can be out by 4pm. The doors open at noon and I plan on starting the meeting at 12:30. We need to have the voting on our club awards for our April meeting. I will put the nominees at the end of my column.

I asked the club at the last meeting if there is an issue if I got us pizza instead of sandwiches for our April luncheon. There were no complaints, so I'm looking for a local pizzeria to accommodate us. Our vice-president brought up the idea of a cake and I'm looking into that as well.

At the meeting I brought up my proposal on an idea I have for finding new members by having a business card with info to a website on local model clubs, meetings and event dates and locations. I've talked to all the local clubs and got everyone's approval and am putting up a team made up of all the local clubs to assist me. More info to come as this progresses.

Short article this month, hope to see you for the auction.

- Modeler Of The Year**  
 Dennis Strand  
 Bob Maderich  
 Keith Brusten  
 John R Ross  
 Randy Worringer

- Historian Of The Year**  
 Bob Stienbrunn  
 Mark Rossmann  
 Axel Kornfuehrer

Newsletter Article Of The Year  
 Mark Rossmann  
 Frank Cuden



**Treasurer's Report**  
by Dennis Strand

This month I spent \$22.18 for gloss paper to print up some brochures on my home computer and add to the dwindling amount on the display case in the CAF hanger. We had four more people pay dues for 2017 membership during the February meeting. This brings our membership to an even 70 and adds \$60.00 to our coffer. The total balance stands at \$6091.74

I sent Phil Tiedeman, the airport manager, a letter that listed all the dates and times that we wanted to utilize the meeting room at the Fleming Field Terminal Building during 2017.

The following is a copy of his email reply:

" Mr. Strand,

Thank you for the letter outlining your remaining meetings for the year. We will schedule and reserve the meeting room for you once a month at no charge for 2017. However please let us know no less than 72 hours in advance should you decide to cancel.

Only one date may be an issue. November 11 is a Holiday, so there may not be staff available to assist you with the room depending on schedules. The room will still be available to you but wanted you to be aware.

(Continued on page 3)

**Airline Chatter**  
by Terry Love

Flynas, the low cost airline of Saudi Arabia, ordered 60 Airbus A-320s for \$8.6 Billion.

Southwest Airlines earned \$2.24 Billion in 2016.

JetBlue earned \$759 million in 2016.

American Airlines earned \$2.7 Billion in 2016.

United Airlines earned \$2.3 Billion in 2016.

Hawaiian Airlines earned \$250 thousand in 2016.

Alaska Airlines earned \$814 million in 2016.

Air Canada earned \$650 million in 2016.

Alaska Airlines spent in 2016, \$831 million on jet fuel and \$1.38 Billion on wages. They flew 34.3 million passengers.

Singapore Airlines ordered 20 Boeing 777s and 19 Boeing 787 Dreamliners. Value of deal is \$13.8 Billion.

Juneyao Airlines of China ordered 10 Boeing 787 Dreamliners. They were ordered by the Chinese Communist Government for the airline.

Qatar Airways has the longest commercial flight in the world. They serve the route Doha to Auckland, New Zealand, a distance of 9,032 miles. The flight takes 16 hours and 28 minutes using a Boeing 777-200ER. The flight crosses ten time zones.

Minneapolis has airline competition on 53 of the 155

non-stop routes from MSP. A total of 58% of MSP's passengers were on flights that originated at MSP while 42% were connecting to other flights. The number of operations at the airport were 413,460. The number of passengers served were as follows:

Delta Airlines	25.8 million
American Airlines	2.4 million
Sun Country Airlines	2.2 million
Southwest Airlines	2.1 million
United Airlines	1.7 million
Spirit Airlines	1.2 million
Frontier Airlines	328,000
Alaska Airlines	276,000

Boeing has a backlog of orders for its 737 model of 4,452. Boeing is building them at the rate of 57 per month. Cost is a little over \$100 million each.

Airbus has a backlog of orders for its A-320 model of 5,645. Airbus builds them at the rate of 46 per month with increases to 60 per month by 2019. Cost is a little over \$100 million each.



(Continued from page 2)  
 Again, thank you.

Phillip Tiedeman, C.M.  
 Airport Manager"

Please note that this agreement is only for 2017. Keep in mind that there may be other arrangements that will come into play for the following year. I will keep the membership updated as to any new information I receive.

Well, it is time for our annual auction. So, for the March meeting, please be generous and bring in some cool kits, books and modeling goodies.



**Delta Air Lines**  
by Terry Love  
(Reprinted from 2012, or so)

Delta Air Lines is the predominant airlines here in the Twin Cities. So this is a update on Delta since the merger with Northwest Airlines in 2008. Delta carries the most passengers (164.5 million in 2012) and has the largest fleet, although if measured by the industry's standard, available seat miles or kilometer (ASM or ASK or capacity) as well as revenue, Delta ranks second to United/Continental Airlines.

For the year 2012, on revenue of \$36.7 Billion, Delta earned a net profit of \$1 Billion.

Delta operates 4,900 flights a day to 240 destinations in America, and 101 cities in 59 countries on six continents, with hubs in Atlanta, Cincinnati, Detroit, Memphis, Minneapolis, New York, Salt Lake City, Amsterdam, Paris, and Tokyo.

Of the 77,000 employees of Delta, 14% are presented by unions. In 2012, the workforce achieved the best performance ever of the airline, with significant improvements in completed flights, on-time arrivals, baggage handling, and customer complaints.

A founding member of the SkyTeam, Delta has joint venture partnerships across the Atlantic with Air France, KLM, and Alitalia, and in the Pacific with Virgin International. Delta holds a 49% shares of Virgin International, 4.7% of AeroMexico, and 3% of Gol Airlines. Delta has marketing agreements with other airlines like Alaska Airlines and Aerolineas Argentinas.

(Continued on page 4)