



Civil Air Patrol



The Story of a Refurb

Col. Michael Jay Murrell, CAP
Southeast Region Glider Coordinator



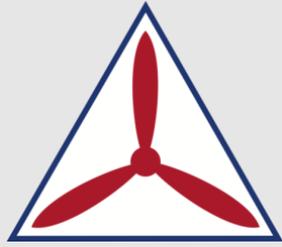
The Story of a Refurb



A New Life for an SGS 2-33

This is the story of N2474W

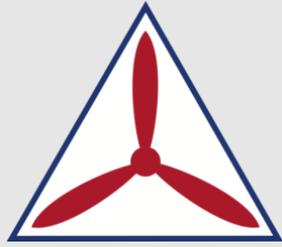




The Story of a Refurb



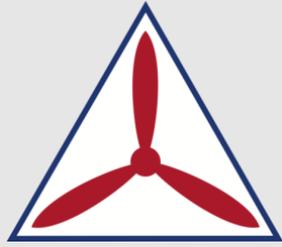
- N2472W, a 1967 SGS 2-33A, was based in Minnesota as a long time and well utilized member of North Central Region's glider program.
- It was in need of a new skin, sporting a well-worn fabric with numerous patches.
- Funding at that time was not available for such an undertaking.
- With the acquisition of the latest round of Air Force Academy Super Blaniks, N2474W was placed in storage in hopes of future repairs.



The Story of a Refurb



- Finally, in 2013 a decision was made to see if it made sense to refurb our aged fleet of SGS 2-33s and NHQ began looking into the possibility.
- Research found a shop willing to do a refurb from the ground up at a reasonable price of \$25,000 or so, depending on desired features
- Then Tragedy struck with a crash involving an SGS 2-33 recently worked on by that shop.
- Within weeks, the military was hit with Sequestration, freezing and reducing military budgets. All new refurbs were cancelled.



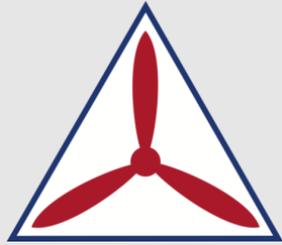
The Story of a Refurb



- In 2016, with a lot of lobbying by numerous members of the CAP glider community, NHQ again decided to look into the viability of a refurb program.



- A quote for a total refurb by K & L Soaring, owned by Schweizer grandchildren and relatives, was accepted and N2474W was selected.



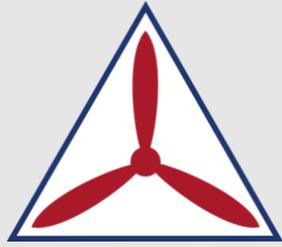
The Story of a Refurb



So, How does someone get a refurb?

Simple...

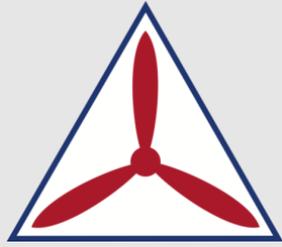
Utilization



The Story of a Refurb



- It all hinges on stats, proper reporting of your glider activities.
- NHQ looks at the number of flights, the percentage and number of Cadet Orientation and cadet instructional flights, as well as, proficiency and senior flight training. You have to have senior support and the pilots and instructors necessary to keep the program alive and growing.
- Who was selected and why?

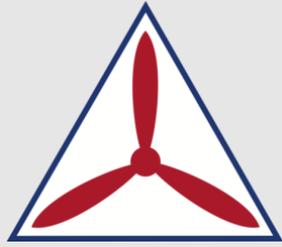


The Story of a Refurb



Let's start with the Region

- In 2014, Southeast Region utilization was in 5th place, having moved up from 6th, where it had been for a couple of years.
- In 2015, SER jumped up to 1st place, with three wings in the top five, GAWG with 470, ALWG with 417 and TNWG with 369.
- In 2016, SER's TNWG was in 1st place with 570 flights and ALWG with 430 was 2nd. The Region came in 2nd, however, two of its gliders spent most of a year sitting in maintenance awaiting completion of the 16 year inspection. All of the GAWG flights, 146, occurred in the last four months of FY 16.

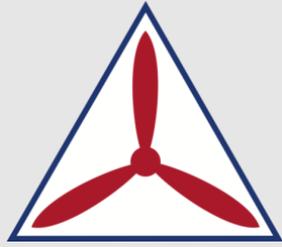


The Story of a Refurb



Now, the Wings within the Region

- In 2015, of GAWG's 417 sorties, 253 (61%) were A15 orientation flights, 85 C22 academy flights and there were 21 C16 cadet flight instruction flights for a total of 359 (81%) cadet related sorties
- Of 470 ALWG sorties, 184 (39%) were A15, 88 C22 and 16 C16 training flights for a total of 288 (61%), cadet related
- TNWG's 369 sorties included 123 (33%) A15 sorties, 79 C22 and 50 C16 for a total of 252 (68%), cadet sorties
- What is the primary purpose of the glider program?

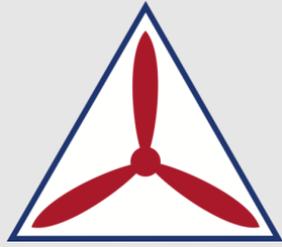


The Story of a Refurb



Now, the Wings within the Region

- In 2016, of ALWG flew 430 sorties, 120 (28%) were cadet o-rides and 113 were cadet flight training for a total of 233 (54%) cadet flights. ALWG was rated 3rd.
- TNWG's 574 sorties included 244 (43%) A15 sorties, 79 C22 and 50 C16 for a total of 252 (68%) cadet sorties. They were 1st in the nation.
- As a result of their efforts, the SER Commander, Col Barry Melton, requested another glider based on overall region results and was awarded the refurb. He chose to initially assign it to TNWG, because of the success and growth of their program.

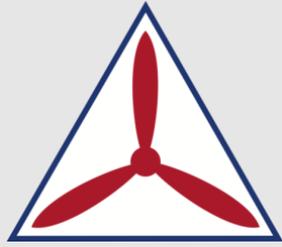


The Story of a Refurb



What did TNWG do to get so many sorties?

- Commitment
 - Dedication
 - Planning
 - Promotion

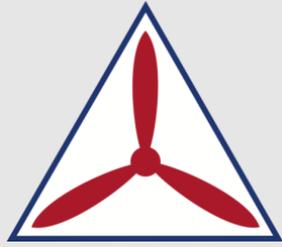


The Story of a Refurb



What did TNWG do to get so many sorties?

- **Commitment** - They were committed to try and fly every weekend and more often in the summer, barring weather and maintenance issues, for the entire year and they do fly all year round.
- **Dedication** - There is a small group of people willing to take the time and put in the hours to make the program successful.
- **Planning** - Sorties are offered for orientation flights, cadet and senior flight training, academy support and proficiency flying. They offer flight training to seniors and proficiency flights, when cadet activities are not scheduled.
- **Promotion** - They constantly promote the program throughout the wing by letting the cadet units know what's available and letting them know that they can schedule weekends or available summer days.



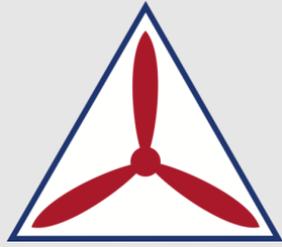
The Story of a Refurb



The Retrieval of N2474W

- K & L Soaring is located in Cayuta, New York, just outside of Elmira.
- They refurb Schweizers from the frame out for numerous customers, including soaring clubs and the Cadet League of Canada.





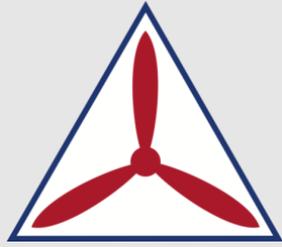
The Story of a Refurb



The Retrieval of N2474W

- It was carefully taken to its new home in Tullahoma, TN on its trailer, where it was assembled by the local glider folks.





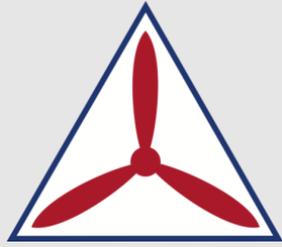
The Story of a Refurb



Adding it to the Fleet

Assembly took place in its new hangar, lots of detail work



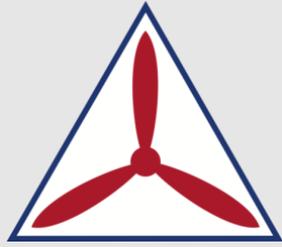


The Story of a Refurb



As a matter of fact, it took quite some time to get it put together



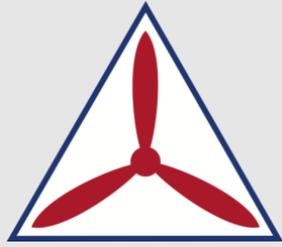


The Story of a Refurb



Progress - Slowly and carefully, it's coming together



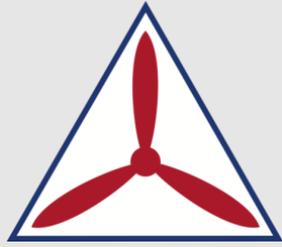


The Story of a Refurb



Checked, double-checked, whew! What a job.



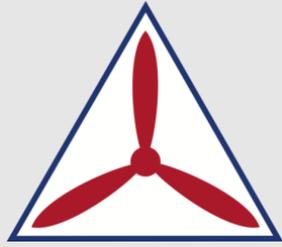


The Story of a Refurb



Finally Done!



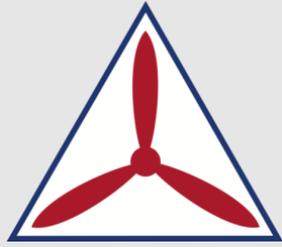


The Story of a Refurb



Then, a welcomed addition to the 2017 SER's Glider Academy



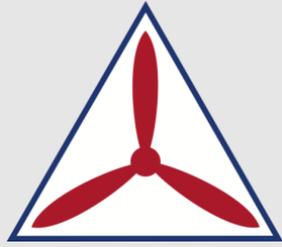


The Story of a Refurb



It was used a lot.





The Story of a Refurb



It was a Mainstay





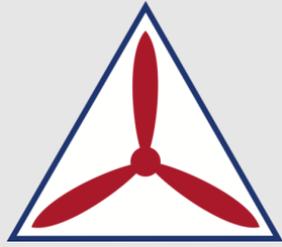
The Story of a Refurb



It was the Basis of a Team

First Training Team





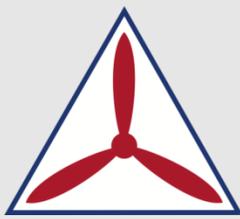
The Story of a Refurb



It made Memories and Possibly a Future

First Solo in N2474W





Civil Air Patrol



The Story of a Refurb N2474W

Questions or Comments