



Welcome to the February newsletter from WFH!

On 15th of March the expedition aircraft *Worldflyer* will become airborne from Barkarby Airport in Stockholm to start the first round the world flight completed by a hearing impaired pilot. This will also be the first Scandinavian light aircraft flight around the world and also the first flight around the world with a diesel powered airplane!

Everyone will be welcome to join the departure ceremony held in the morning of March 15th at Barkarby Airport. Coffee will be served and an interesting pre-expedition-briefing will be held in the premises of Barkarby flying club. There will be a specific invitation sent out regarding this ceremony.

In January 2006 we released the WFH mile owner program that enables organizations, companies and private persons to support the project by owning miles along the flown route. This is a great opportunity to create goodwill, but most important help the world to become better for the 700 million hearing impaired. We will give you more information about the mile owner program in this newsletter.

In this newsletter we will also provide you with details about the revolutionizing aircraft that will be used in the expedition. The aircraft has recently been introduced to the market and represents the future of general aviation equipped with environmental friendly engines, new aerodynamically superb fabrics and fully digital avionics that is unique for general aviation today.

Mile owner program for everyone who wants to support the project

WFH has been financed mainly by sponsors, but also by private investments from the team members. There is still a need to cover up for the last 30% of the project budget and this need has triggered the mile owner program to be launched which gives you further opportunities to participate in one of the largest campaigns for hearing impaired ever performed! The mile owner program gives you the possibility to participate in the project by owning certain miles along the route. All mile owners have the opportunity to be published on the popular WFH website, but you will also be provided with a proof of mile ownership that you can publish on your own website or anywhere else you feel appropriate. Miles can be purchased directly from www.worldflightforhearing.com! The cost per mile is 4 euro.

For every sold euro, 25 cents will be donated to a large charity project building hearing healthcare in the third world (more information about this project will be published soon). When all miles have been sold the money received to mile owner program will go in full to the third world charity project.



Worldflyer – the expedition aircraft!

Around the world flights have been undertaken in different types of aircrafts, everything from hot air balloons to high speed jets, but no one has yet flown a diesel powered aircraft around the world (except from a diesel powered balloon in the 1930s but that goes under the “lighter than air” category).

Worldflyer is a brand new design based on new modern materials and a modern manufacturing process. The aircraft is crafted out of glass and carbon fiber. This makes the body to be light weighted but still very strong. Using this technique also gives the benefit from generating low drag while airborne and easy to maintain and keep clean from dirt when on the ground. Another benefit from flying a twin engine aircraft is that the noise level from the engines are substantially lower compared to a single engine aircraft. This is caused by the fact that the engines are mounted out on the wings instead of in front of the cockpit. WFH has initiated partnership with ÖstFlyg AB, Johan Linder AB and Diamond Aircraft in order to be the first pilots to circumnavigate earth with a Diamond DA42!



Diamond DA42 (© [Diamond Aircraft](#))

Instrumentation

The instrumentation in the aircraft is based on the new “glass panel cockpit” concept. This concept is to use computerized presentation of all information needed for the pilot, this is e.g. speed, altitude, heading and navigation information. This is something that has



only been in the market for larger and much more expensive aircraft during the past 10 years. This design has now also reached this type of general aviation aircraft and makes the interaction between the pilot and the aircraft systems to be much less work intensive which will in turn improve safety.



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Engines

The engines are modern diesel engines originating from new developments within the car industry. Having diesel engines means fewer parts (there is no ignition system) as well as less maintenance. This in combination with very good fuel efficiency makes this aircraft an attractive choice for an around the world flight.

Equipment

A DA42 is equipped with all kind of equipment, everything from standard instrumentation for basic flight operations to advanced tools for instrument approaches and a fully integrated autopilot. It is essential to keep it simple while still having all the advanced features at hand when needed. The navigation of the aircraft is mainly based on



GPS navigation which is a system based on satellite navigation. The GPS system receives signal from several satellites at the same time and can then by some mathematics calculate the exact position of the aircraft, all over the world. Even if the GPS system is duplicated with a backup system consisting of traditional radio navigation aids based on radio stations sending out position information.

World Flight for Hearing will also be the first flight around the world in a light aircraft with a paperless cockpit. All maps and charts are presented digitally in the C2 equipment provided by NavAero.

Safety equipment

When doing an around the world flight it is of highest importance to be equipped with sufficient safety equipment. WFH will bring all equipment that could possible be needed in case of problems or any kind of emergency. Example of such equipment are lifewests, life rafts, additional food and water and survival equipment in order to handle situations in remote areas. The Swedish Coast Guard, Swedish Airforce and FOLA Airsafe have provided us with substantial safety expertise and products to this expedition.



Finally...

During the expedition we will continuously update our website with reports and photos as well as the current location of the World Flight for Hearing expedition. Make sure to keep an eye at www.worldflightforhearing.com to receive the latest news!

Best wishes from the World Flight for Hearing Team

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About World Flight for Hearing

World Flight for Hearing, sponsored by GN ReSound, is a world recognized expedition that intends to raise publicity about hearing impairment and hearing impaired people and their possibilities. Founder of the project is hearing impaired Johan Hammarström, 28, that, despite his hearing impairment has managed to become an experienced pilot. Johan is a living proof that with the right attitude and the right technical aids anything is possible. Johan and his team consisting of Henrik Ejderholm and Martin Håkansson will accomplish the expedition in collaboration with hard of hearing organizations, professional's organizations and the industry.

About this newsletter

The World Flight for Hearing News Letter is distributed on a frequent basis to everyone who is interested to get news about the project. If you do not wish to get this email - please make a reply to this email to cancel your news mail.