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2023 GUERNSEY

AIR DISPLAY



THURSDAY 14TH SEPTEMBER 2023

Marking the 80th anniversary of the Dambusters Raid

COMMEMORATING

80
YEARS

Event organised by

 **Black
Vanilla**
— black-vanilla.gg —

AIR DISPLAY LINE UP

The Air Display will start at 11am. The schedule for the Air Display changes up to, and sometimes on the day of, the display itself; please visit our social media pages or our website www.guernseyairdisplay.com for the final timings and display order.

Click on the photographs of the aircraft to visit the display team's website.

Battle of Britain Memorial Flight

The Battle of Britain Memorial Flight was inaugurated on 11 July 1957 at RAF Biggin Hill. It was originally called the RAF Historic Aircraft Flight and consisted of three PR Mk XIX Spitfires and the RAF's last airworthy Hurricane, LF363. It was then renamed to be the Battle of Britain Memorial Flight before a final renaming in 1969 to what it is known as today, BBMF.

Between 1959 and 1965 the flight had one Spitfire (PM613) and one Hurricane (LF363) on its strength. Now, as a 'museum without walls', it maintains 12 historic and irreplaceable aircraft: an Avro Lancaster, a C-47 Dakota, six Spitfires, two Hurricanes and two de Havilland Chipmunk training aircraft. The BBMF is a regular RAF unit, manned by service personnel and funded by the Ministry of Defence.



OV-10 Bronco

The OV-10 Bronco, a rugged, manoeuvrable, twin-turboprop, multi-mission aircraft, served with the US Air Force (USAF) and Marine Corps. In military operations, the Bronco's ability to find and hit battlefield targets close to friendly troops made it effective against conventional and guerrilla forces.

The first production OV-10A was ordered in 1966, and its initial flight took place in August 1967. The Bronco's missions included observation, forward air control, helicopter escort, armed reconnaissance, gunfire spotting, utility and limited ground attack. The USAF, however, acquired the Bronco primarily as a forward air control (FAC) aircraft. Adding to its versatility is a rear fuselage compartment with a capacity of 3,200 pounds of cargo, five combat-equipped troops or two litter patients and a medical attendant. The first USAF OV-10As destined for combat arrived in Vietnam in July 1968 and a total of 157 OV-10As were delivered to them before production ended in April 1969.



Jett Pitts

The Jet Pitts is based on the Pitts S2S fuselage and designed to enhance performance and entertain at airshows. G-JPIT has been built from scratch over a period of four years and incorporates all the tried and tested modifications flying on G-EWIZ. One major difference is the wing design. *(continued on next page)*



Bigger ailerons and more wing area give a phenomenal roll rate and better low speed handling. The two ATM Lynx Jet turbines have a single radial compressor and axial flow turbine stage. The engine owes its excellent performance and superb power to weight ratio to a new type of diffuser stage. The turbines deliver 700lbs thrust and, in combination with the 8.5 Ltr Lycoming, a total thrust of 1700lbs. The aircraft weighs only 1,550lbs.



Navy Wings Seafire

The Supermarine Seafire was a naval version of the Supermarine Spitfire adapted to become a high performance carrier-based fighter aircraft.

Seafire XVII SX336 was built just 15 miles from the Navy Wings heritage hangar by Westland, Yeovil in April 1946 and rebuilt by Kennet Aviation at North Weald nearly 60 years later. It was decided she should be scrapped in 1955 but it wasn't until 1973 that her fuselage was discovered in a derelict state and another five years before her restoration began. Ownership of the aircraft changed hands several times and it was only in the ownership of former US Navy pilot and entrepreneur Tim Manna that she was finally rebuilt and restored to full flying condition.



Poseidon P-8A (flypast)

Boeing's Poseidon MRA1 (P-8A) is a multi-role maritime patrol aircraft, equipped with sensors and weapons systems for anti-submarine warfare, as well as surveillance and search and rescue missions. The Poseidon's comprehensive mission system features an APY-10 radar with modes for high-resolution mapping, an acoustic sensor system, including passive and multi-static sonobuoys, electro-optical/IR turret and electronic support measures (ESM). This equipment delivers comprehensive search and tracking capability, while the aircraft's weapons system includes torpedoes for engaging sub-surface targets. We are delighted to welcome Guernsey's Own 201 Squadron which operates the P-8A Poseidon out of RAF Lossiemouth.



Royal Air Force Aerobatic Team – The Red Arrows

The Royal Air Force Aerobatic Team, the Red Arrows, is one of the world's premier aerobatic display teams. Representing the speed, agility and precision of the Royal Air Force, the team is the public face of the service and assists in recruiting to the Armed Forces, as well as acting as ambassadors for the UK at home and overseas to promote the best of British. *(continued on next page)*



Flying distinctive Hawk fast-jets, the team comprises pilots, engineers and essential support staff with frontline operational experience. With their trademark shapes and combinations of close formations and precision flying, the Red Arrows have been displaying since 1965. All Red Arrows display pilots have flown operationally, in frontline aircraft such as the advanced Typhoon. Based at RAF Scampton in Lincolnshire, the Red Arrows had flown 5,000 displays in 57 countries by the beginning of 2022, the team's 58th season.



The Titans

Expect thrilling close formation aerobatics from a unique pairing of ultra-modern, dissimilar aircraft, combining the unlimited performance of the all carbon-fibre Xtremeair XA42, with a hugely enhanced version of an American classic, the Xtreme Decathlon. The XtremeAir Sbach 342 (XA42) is the first all carbon fibre aerobatic aircraft. Brought into production to compete with the famous Extra 300 series, the XA42 is lighter, faster and stronger than anything else available on the market, capable of +10/-10 G and a top speed of 259mph. The Xtreme Decathlon takes everything good about the well-known Super Decathlon but turns it up to 11. The tried and tested classic airframe design of the original Citabria has been updated to have much stronger wings and fuselage and is certified to +6/-4 G, equal to that of a Pitts Special.



Team Raven

Team Raven is a formation aerobatic display team that was established in May 2014. The name came from a play on the letters 'RV' and makes more sense if written 'RaVen' as per the badge on the sides of the six aircraft fuselages. The RaVens use the Van's RV aircraft. The RV-8 retains the fighter-like feel of centre-line seating, making it perfect for formation flying. The efficient airframe provides long-range and high cruise speeds, so long distances can be covered easily. The aircraft has a fuel capacity of 170 litres and can achieve a maximum speed of 220mph. The speed and the excellent climb rate provide options for dealing with weather and terrain that are not available to most pilots.





EDUCATE AND INSPIRE



Guernsey's annual air display has been enjoyed by thousands of people for over 60 years. The island has hosted some of Britain's most historic and treasured military aircraft alongside aerobatic and awe-inspiring display teams.

One of the pillars of the Guernsey Air Display is to 'Educate and Inspire'.

We commemorate the lives and legacy of all those RAF aircrews who have served their country with honour and pride over the last century. We also support the continued preservation of our historic aircraft which enrich our national heritage.

We promote STEM (science, technology, engineering and maths) subjects to inspire the next generation of pilots, engineers and aviation professionals.

To achieve this, the Guernsey Air Display Foundation has worked with the military and civilian display teams to speak to students in schools, the Combined Cadet Force and the Air Cadets during the week of the air display.

 **Gary Elson, Counsellor on the Guernsey Air Display Foundation**, will speak to Year 7 and 8 students at St Sampsons High School on the importance and historical significance of the Air Display as well as the challenge of sustainability the wider aviation industry faces.

 **Rich Goodwin (Muscle Biplane)** will speak to students studying STEM subjects at the Sixth Form Centre. Rich has worked on the development of a sustainable aviation fuel alongside modifying his Muscle Biplane to add two jet turbines. Future developments include installation of a new water cooler design which will produce more power and have a greener fuel burn.

 Two of the **RAF Red Arrows Circus team** (the engineers who are each allocated to a Red Arrow for the display season) will speak to sixth-form students at Elizabeth College and The Ladies' College taking STEM subjects. The RAF is carrying out a huge amount of work to be the world's leading air force for sustainability and 'inspire' is an important theme for them, especially in the area of promoting STEM subjects.

 **The RAF Careers Engagement team** will be on the island throughout the week visiting schools, the Combined Cadet Force, Guernsey Air Cadets will have a presence in St Peter Port on the day of the Air Display to promote the wide range of opportunities the RAF offers.





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Chris Workman
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David Wyatt

We would also like to express our thanks to our Friends who have chosen to remain anonymous.

The cost to become a Friend is £17.50 and includes:

-  Bespoke enamel pin badge
-  Your name listed in the Air Display programme and on the website
-  The chance to win one of three pairs of VIP tickets to watch the Display at Castle Cornet

Click on the badge to become a Friend >>>





ROYAL AIR FORCES Association

The charity that supports the RAF family

The Guernsey Battle of Britain Air Display takes place in Battle of Britain Week, which is the main Wings Appeal fundraiser for the Guernsey Branch of the RAF Association. You will see RAFA volunteers throughout the week across the island and in St Peter Port on the day of the display, and we ask you to please support this vital charity by making a donation.

The Royal Air Forces Association is committed to providing confidential, professional and fair services to members of the wider RAF family

from the youngest recruit to the oldest veteran and their families. Ongoing training and support for welfare volunteers and staff ensure services are consistent and of the highest possible standard. All will be treated with dignity and respect at all times.

With thousands of members and volunteers across the UK and further afield, RAFA has the network needed for a personal one-to-one approach. RAFA is there whenever an injured airman or airwoman is fighting to get back on their feet or the widow of a WWII veteran needs a shoulder to lean on. RAFA is there when a family needs support to stay strong and connected despite the separation that comes with RAF service. RAFA is trusted to work tirelessly to make sure no member of its family ever feels alone or unsupported.

For more information please visit rafa.org.uk

IMPORTANT SAFETY INFORMATION

From Barry Neal, Guernsey Air Display Flying Display Director

Our primary focus for the Guernsey Air Display has always been everyone's safety. We make every effort to reduce the risk from the Display to as low a level as possible, recognising that flying always has an element of risk. In the unfortunate event of an incident, please obey any instructions issued by the Emergency Services' personnel, the Harbourmaster's staff and/or other people acting in an official capacity. Every effort must be made to allow access to an incident site.

Let's hope the weather is favourable for everyone. Please be careful when watching the display – especially from the piers in St Peter Port, and when crossing car parks and roads if you are looking skywards towards the aircraft.

Thanks to the sterling efforts of the Harbourmaster and his staff, and the co-operation of boat owners, the Display Area has been largely undisturbed over the years. Should we get a build-up of boats in the Display area, then I have to consider the effect on the Display item in progress and the risk to those on the water should we have an incident. In the worst case I would have to suspend or cancel a part of the display. Please can all boat owners continue their excellent conduct and refrain from sailing in or out of St Peter Port during the Display and not attempt to watch the Display from the sea.

An Air Display Water Safety Zone has been published by the Harbour Master and all boat owners are asked to take note of the detail.

In the event of small unmanned aircraft ('drone') activity anywhere within the Bailiwick, we will have no choice but to immediately suspend the display and refer the matter to the police. Only once we are satisfied that the activity in question has stopped shall we resume the display. Any drone activity could potentially cause the display to be cancelled.



CONSORTIUM MEMBERS... THANK YOU!

The Guernsey Air Display relies on the generous support of local businesses alongside grants from the States of Guernsey. We thank the Consortium members for their continued and vital support.



States of Guernsey
Culture and Heritage



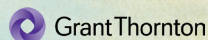
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