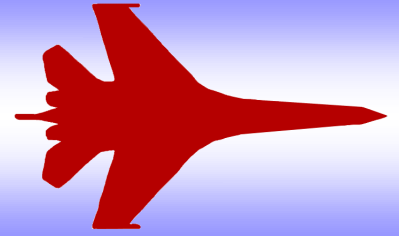


# TRAC News



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**TRACTampa.com**

June 2024 Issue

## President's Comments

Please read and be aware as we have been visited by the FBI regarding this issue.



## **Federal Bureau of Investigation** **TRIPWIRE PROGRAM**

### **Potential Indicators of Terrorist/Criminal Activity Related to Hobby Shops and Remote Controlled Aircraft**



Each indicator listed may be, by itself, lawful conduct/behavior and may also constitute the exercise of rights guaranteed by the U.S. Constitution. There may be a wholly innocent explanation for the conduct/behavior that appears suspicious in nature. A totality of behavioral indicators and other relevant circumstances should be evaluated when considering law enforcement notification/response. If determined that conduct/behavior is, in fact, suspicious, law enforcement professionals should further examine the circumstances. No single indicator should be the sole basis for law enforcement action.

Speech, Actions, Beliefs, Appearances, or Way of Life does not, in and of itself, equate to a suspicious individual.

#### POTENTIAL INDICATORS

#### People Who:

- Inquire about radio-controlled model aircraft payload capacity and maximum range.
- Inquire about Global Positioning System (GPS)-equipped model aircraft .
- Inquire about learning to operate expensive or sophisticated large-scale radio-controlled model aircraft after indicating no model aircraft flying experience.
- Demonstrate unusual interest in radio-controlled model aircraft.
- Exhibit unusual interest or specific interest in rocket motors or igniters.
- Conduct unusual flight tests, especially at odd times or near sensitive locations.
- Have missing hand/fingers, chemical burns, strange odors or bright colored stains on clothing.
- Pay attention to or avoid surveillance cameras.

#### Purchase Activities Including:

- Shoplifting or purchasing:
  - Large quantities of model aircraft, aircraft fuel, large-scale radio-controlled model aircraft, engines, or spare parts.
  - Multiple remote control units purchased without an aircraft purchase or for just one model aircraft.
  - Model rocket motor igniters without adequate knowledge.
- Using cash for large transactions or a credit card in someone else's name.

**1-855-TELL-FBI (1-855-835-5324) or <https://tips.fbi.gov>**

**TAMPA DIVISION // 813-253-1000 // [tampa.division@ic.fbi.gov](https://tampa.division@ic.fbi.gov)**

*Don't assume suspicious behaviors have already been reported. Report your observations, even if others may have witnessed the same concerning behaviors.*

#### ACTION

#### Be part of the solution...

- ❖ Require valid ID from all new customers if consistent with applicable state and federal law.
- ❖ Keep records of purchases.
- ❖ Talk to customers, ask questions, and listen to and observe their responses.
- ❖ Watch for people and actions that are out of place.
- ❖ Make note of suspicious statements, people, and/or vehicles.
- ❖ When contacting the FBI Tip Line (1-855-TELL-FBI or <https://tips.fbi.gov>), please reference Tripwire.

*You know your business and environment.*

*If something seems wrong, notify law enforcement authorities as soon as possible.*

**Do not jeopardize your safety or the safety of others**

THIS DOCUMENT, IN WHOLE OR PART, MAY NOT BE REWRITTEN, POSTED ON THE INTERNET, OR GIVEN TO ANY OTHER PUBLIC OR PRIVATE ENTITY WITHOUT PRIOR WRITTEN APPROVAL FROM THE FBI TRIPWIRE PROGRAM. CONTACT FBTRIPWIRE@FBI.GOV FOR APPROVAL.

12/23/2016

## Upcoming Events

**TRAC - Club Meeting at Field, Saturday, June 8, at 11:00AM**  
**TRAC - Club Meeting at Field, Saturday, July 13 at 11:00AM**  
**TRAC - Club Meeting at Field, Saturday, August 10 at 11:00AM**  
**TRAC - Club Meeting at Field, Saturday, September 14 at 11:00AM**  
**TRAC - Club Meeting at Field, Saturday, October 12, at 11:00AM**

## **TRAC MINUTES**

**May 11, 2024**

### Meeting Call to Order

Meeting called to order by Pres. Don Riek at 10:59 a.m. with 28 signed-in members present.

Motion to accept minutes of last meeting was made, seconded, and passed.

### Treasury Report

Tim Haas presented a detailed treasury report and break down of expenses.

Beginning Balance	\$ XXXX
Income	\$ 346.92
Expenses	\$ 172.74
Closing Balance	\$ XXXX
Runway Fund	\$ 120.00

Motion to accept the Treasurer's Report was made, seconded, and passed.

### New Members/New Pilots

Vincent Ruppert, Kevin Burgess, Krugeryon Espijon

### Safety block

Maiden flights, make sure you double check fasteners, control surfaces, engine is broken in, labeled with your AMA and FAA information, range checked (This should be done every flight) CG, let everyone know you are doing a maiden so they can give you the sky, have a spotter, and ask to come out onto the runway if someone else is currently flying.

### Old Business

Warbird Event is still in planning stage, Vince Sr. will have more updates soon

Funfly had to be cancelled due to lack of participation

### New Business

- 1) Reminded everyone to have their AMA/FAA identification on their aircraft on the outside of the fuselage
- 2) Unable to discuss the expansion of the helicopter pad to turn it into a control line flight area because the contractor couldn't make it.
- 3) There was an inquiry about having the helicopter pad expanded for control line flyers and adding a small landing strip for them, Steve Watson will present plans to the club soon.

### Show-and-Tell:

Adjournment 11:27 am

# Messerschmitt Bf 110



The **Messerschmitt Bf 110**, often known unofficially as the **Me 110**,<sup>[[Note 1](#)]</sup> is a twin-engined *Zerstörer* (destroyer, heavy fighter), fighter-bomber (*Jagdbomber* or *Jabo*), and night fighter (*Nachtjäger*) developed in Nazi Germany in the 1930s and used by the Luftwaffe during World War II. Hermann Göring was a proponent of the Bf 110, believing its heavy armament, speed, and range would make the Bf 110 the Luftwaffe's premier offensive fighter. Early variants were armed with two MG FF 20 mm cannons, four 7.92 mm (.312 in) MG 17 machine guns, and one 7.92 mm (.312 in) MG 15 machine gun for defence (later variants would replace the MG FFs with MG 151s and the rear gunner station would be armed with the twin-barreled MG 81Z). The Bf 110 served with considerable success in the early campaigns in Poland, Norway, and France. The primary weakness of the Bf 110 was its lack of maneuverability, although this could be mitigated with better tactics. This weakness was exploited by the RAF when Bf 110s were flown as close escort to German bombers during the Battle of Britain. When British bombers began targeting German territory with nightly raids, some Bf 110-equipped units were converted to night fighters, a role to which the aircraft was well suited. After the Battle of Britain, the Bf 110 enjoyed a successful period as an air superiority fighter and strike aircraft in other theatres and defended Germany from strategic air attack by day against the USAAF's 8th Air Force, until an American change in fighter tactics rendered them increasingly vulnerable to developing American air supremacy over the Reich as 1944 began.

The Bf 110's main strength was its ability to mount unusually powerful air-to-air weaponry. Early versions had four 7.92 mm (.312 in) MG 17 machine guns in the upper nose and two 20 mm MG FF/M cannons fitted in the lower part of the nose. Later versions replaced the MG FF/M with the more powerful 20 mm MG 151/20 cannons and many G-series aircraft, especially those which served in the bomber-destroyer role, had two 30 mm (1.18 in) MK 108 cannons fitted instead of the MG 17. The defensive armament initially consisted of a single, flexibly mounted 7.92 mm (.312 in) MG 15 machine gun. Late F-series and prototype G-series were upgraded to a 7.92 mm (.312 in) MG 81 machine gun with a higher rate of fire, and the G-series was equipped with the twin-barreled MG 81Z. Many G-series night fighters were retrofitted or factory-built with the Schräge Musik off-bore gun system, which fired upward at an oblique angle for shooting down bombers while passing underneath; it was frequently equipped with two 20 mm MG FF/M, but field installations of the 20 mm MG 151/20 or 30 mm (1.18 in) MK 108 cannons were also used. The Schräge Musik weapons were typically mounted immediately in front of the rear cockpit.

The Bf 110 G-2/R1 was also capable of employing armament such as the Bordkanone-series 37 mm (1.46 in) BK 3.7 autofed cannon, mounted in a conformal ventral gun pod under the fuselage. A single hit from this weapon was usually enough to destroy any Allied bomber.

The initial Bf 110 C-1/B fighter-bomber could carry two 250 kg (551 lb), two 500 kg (1,102 lb), or two 1,000 kg (2,204 lb) bombs on two ETC 500 racks under the fuselage and, starting with the Bf 110 E-0, could be supplemented by four additional 50 kg (110 lb) bombs on ETC 50 racks under the wing.

After a period of use on bombing and reconnaissance, the type found its niche during the winter of 1940-41 as a night fighter in defensive operations. At first, the three main crew members had no special equipment for night operations and relied on their eyes alone to find enemy aircraft in the dark. Ground-controlled interception began from mid 1941 and the Bf 110 began to take its toll on RAF bombers and was soon an aircraft to be feared. Airborne radar was used experimentally during 1941, effective up to a maximum distance of 3.5 km/ 2.2 miles and capable of bringing the Bf 110 to within 200 m/655 ft of a target.

By July 1942, the Bf 110F-4 was the first version to be designed specifically as a night fighter. It was something of a stop-gap measure, though armed with four 7.92mm/ 0.31 in machine guns and two 20 mm / 0.78 in cannon.

## General characteristics

**Crew:** 2 or 3

**Length:** 12.0714 m (39 ft 7.25 in)

**Wingspan:** 16.2497 m (53 ft 3.75 in)

**Height:** 4.128 m (13 ft 6.5 in)

**Wing area:** 38.4000 m<sup>2</sup> (413.334 sq ft)

**Airfoil: root:** NACA 2R1 (18.5%); **tip:** NACA 2R1 (11%)<sup>[22]</sup>

**Empty weight:** 4,425 kg (9,755 lb) \* **Empty equipped weight:** 4,885 kg (10,769 lb)

**Gross weight:** 6,028 kg (13,289 lb)

**Max takeoff weight:** 6,749 kg (14,880 lb)

**Fuel capacity:** 1,272 L (336 US gal; 280 imp gal) in 4 centre-section tanks

**Powerplant:** 2 × Daimler-Benz DB 601A-1 V-12 inverted liquid-cooled piston engines, 780 kW (1,050 hp) each for take-off

820 kW (1,100 hp) at 3,700 m (12,140 ft)

**Propellers:** 3-bladed VDM variable-pitch propellers

## Performance

**Maximum speed:** 475 km/h (295 mph, 256 kn) at sea level; - weight = 13,289 lb (6,028 kg)

525 km/h (326 mph; 283 kn) at 4,000 m (13,120 ft)

541 km/h (336 mph; 292 kn) at 6,000 m (19,685 ft)

**Cruise speed:** 262 km/h (163 mph, 141 kn) maximum continuous at sea level

489 km/h (304 mph; 264 kn) maximum continuous at 5,000 m (16,400 ft)

484 km/h (301 mph; 261 kn) maximum continuous at 7,000 m (22,970 ft)

349 km/h (217 mph; 188 kn) economical cruise speed at 4,200 m (13,780 ft)

**Landing speed:** 150 km/h (93 mph; 81 kn)

**Range:** 774 km (481 mi, 418 nmi) at sea level with normal internal fuel at maximum continuous cruise speed

850 km (530 mi; 460 nmi) at 5,000 m (16,400 ft) at maximum continuous cruise speed

**Range at economical cruise speed:** 909 km (565 mi; 491 nmi) at 7,000 m (22,970 ft) at economical cruise speed

1,094 km (680 mi; 591 nmi) at 4,200 m (13,780 ft) at economical cruise speed

**Service ceiling:** 10,000 m (32,810 ft)

**Rate of climb:** 11 m/s (2,200 ft/min)

**Time to altitude:** 6,000 m (19,685 ft) in 10 minutes 12 seconds

**Wing loading:** 173 kg/m<sup>2</sup> (35 lb/sq ft)

**Power/mass:** 0.241 kW/kg (0.147 hp/lb)

## Armament

**Guns:** \*\* 2 × 20 mm (0.787 in) MG FF/M cannon (180 rpg—3 drums with 60 rpg, cannon were reloaded by rear gunner or radio operator during flight)

4 × 7.92 mm (0.312 in) MG 17 machine guns (1,000 rpg)

were reloaded by rear gunner or radio operator during flight)

4 × 7.92 mm (0.312 in) MG 17 machine guns (1,000 rpg)

1 × 7.92 mm (0.312 in) MG 15 machine gun for defence





Whats the secret to happiness?

RC Planes

