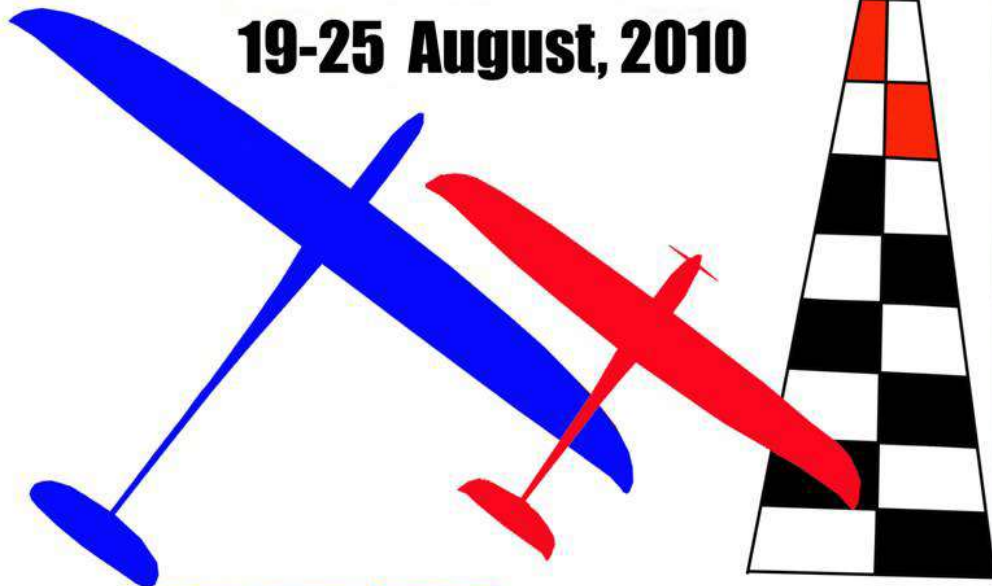


**13<sup>th</sup>**  
**FAI World Championships**  
**For Electric Model Aircraft**

**F5B - F5D**

**19-25 August, 2010**



**Muncie Indiana USA**



**Bulletin Number 2**

**Organizers:** The Academy of Model Aeronautics, in association with one of its chartered clubs, the Silent Electric Flyers of San Diego, is pleased to host the 2010 F5B & F5D World Championships for Electric Model Aircraft.

**Invitation:** Every FAI affiliated National Aero Club (National Airsport Control Organization) is hereby invited to enter a team to participate in the 2010 F5B & F5D World Championships, to be held August 19–25, 2010, at the home of the Academy of Model Aeronautics' International Aeromodeling Center, Muncie, Indiana, USA. The 2008 F5B & F5D individual World Champions are also invited to attend.

**Site Location:** The World Championships will be held at the International Aeromodeling Center in Muncie, Indiana, USA. This 1,000-acre model flying site is the home and headquarters of the Academy of Model Aeronautics and was the site for the highly successful 2009 F3C World Championship competition. F5B will be flown on a grassy area and F5DS on an asphalt paved area. Other areas of the site will be utilized for practice areas. Also featured on the site is the National Model Aviation Museum. This facility is a repository of aeromodeling's firsts and finest. Tours of the facilities and the AMA Headquarters operation will be available during the World Championships.

**Competition Site:** Entrance to the International Aeromodeling Center



**Weather Conditions:** Average weather conditions for Muncie, Indiana, in August

- Temperature high 20°C / 85°F
- Temperature low 17°C / 63°F
- Sunrise 06:30
- Sunset 20:30
- Relative humidity 60% to 90 %
- Average wind velocity Calm to 10 knots
- Average precipitation 1.3cm to 0.5cm

**Jury:** FAI Jury -  
Mr. David Brown (USA)  
Mr. Jack Humphreys (CAN)  
Mr. Manfred Lex (AUT)  
  
Reserve Juror  
Mr. Emil Giezendanner (SUI)

**Fees:** Entry: Competitors and Team Managers: **335** Euro;  
Helpers, Mechanics, and Supporters: **67** Euro;  
Press: **0**  
Banquet: **28** Euro.  
Protest: **35** Euro.

**Competition Rules:** According to the current *FAI Sporting Code*, Section 4, as well as all applicable amendments.

**Radio Frequency Information:** Only transmitters on the 2.4 GHz RC systems are permitted. 2.4 GHz spread spectrum operation eliminates frequency control. Contestants will maintain their transmitters at all times.

**Sporting License:** Each competitor, Team Manager and Assistant Team Manager must possess an FAI Sporting License valid for the competition.

**Anti Doping:** If a competitor has to take any of the substances listed on the **WADA** Prohibited list for a medical condition, he/she must have a Therapeutic Use Exemption for the FAI.

**Entry Forms:** Official Entry Forms will be included with this Bulletin and available on the official World Championship Web site at [www.modelaircraft.org/ewc2010/ewc.aspx](http://www.modelaircraft.org/ewc2010/ewc.aspx).

**Insurance:** The Organizers have arranged insurance coverage for all pilots for model accidents involving injury to others and damage to property. The Organizers are not responsible for any other injury, loss, theft or damage to persons or property.

**Competition Dates:** **August 19–25, 2010** Neu-Castle International Cup Dates, August 18 & 19

**Neu-Castle International Contest:** The International Cup, Open F5B and Open F5D contest shall be conducted on Wednesday and Thursday August 18 & 19, 2010, immediately preceding the Opening Ceremonies of the World Championships. All World Championships participants are invited to attend and fly in this event. This event will give the World Championships competitors the opportunity to practice on the official instrumented courses.

**Official Language:** English

**FAI Model  
Certificates:**

Every contestant must have a valid certificate from his national federation (specified in FAI Sporting Code, Section 4, VOLUME ABR, paragraph B.16.7.) for every model. Models without suitable marking will be marked by the Organizer for \$10 USD per model.

**Flags & Anthems:**

Each Team must present one national flag and the national anthem of its country. All flags and national anthems must be given to the Organizer of the competition at registration and they will be returned to the Team Manager on departure, after the Closing Ceremony and before the banquet. National flags must be about 150x100 cm. National anthem must be on a CD in MP3 format.

**Photograph &  
Biography:**

We kindly ask that each Competitor, Team Manager, Mechanic and Helper submit a biography form (included in the entry package) and digital photograph to appear on identity badges and in the official Program of the World Championships.

**Awards:**

Per section B.12 of the *FAI Sporting Code*. The Academy of Model Aeronautics and the organizing committee will present additional awards.

**Shipping:**

Contestants who will be sending their model boxes ahead by airfreight can have them shipped directly to AMA Headquarters. Contact Colleen Pierce at [cpierce@modelaircraft.org](mailto:cpierce@modelaircraft.org) for details.

**Flight Batteries:**

Flight Batteries for F5B and F5D can be ordered from NeuMotors for delivery to Muncie. The batteries will be supplied at cost. Contact Steve Neu at [sneu@mac.com](mailto:sneu@mac.com) for a listing of the batteries available along with the pricing and sizes. The batteries being offered are the latest SP2 46/92C type batteries that have a 5C charge rating. Batteries need to be ordered by July 1, 2010.

**Option Tour:**

Wednesday, August 25, 2010 will serve as an optional tour day. The Organizers are planning a trip to the National Museum of the US Air Force at Wright-Patterson Air Force Base in Dayton, Ohio. For more information on this location, please feel free to check out their web site at: <http://www.nationalmuseum.af.mil/>.

**Forms:**

Official entry forms can also be downloaded from the World Championships website and are also included with this bulletin. Please return the official entry forms via e-mail, fax, or mail no later than **May 30, 2010**.

*After May 30<sup>th</sup>, there will be a 10% late fee assessed.*

Our wire transfer fee is 30 Euros for each transfer and must be remitted along with entry fees. Our bank information is as follows:

**Beneficiary Name and Address:**

Academy of Model Aeronautics  
5161 East Memorial Drive  
Muncie, IN 47302

**Account #: 620576546**

Please reference – 2010 F5B,D Electric World Championships

**Bank Name and Address:**

JP Morgan Chase Bank  
1 East Ohio Street  
Indianapolis, IN 46204

**Swift Code: CHASUS33**

**Accommodations:**

The Signature Inn and Best Western Inn have been blocked for our use during the competition, just a short drive from the World Championships site. If reserving/paying for your accommodations along with the entry fees, the room rates will be 60 Euro per night and will allow two to four people in the room at this rate and offer a breakfast buffet in the hotel lobby. Other area hotels are available if making your own reservations. Camping is also available on the AMA site. The site features 43 recreational-vehicle sites with 50-amp electric service. An RV dump station, fresh water and hot showers are also available on the AMA site. Electric service is only \$ 15.00 USD (approximately 10 Euro) per night.

**Host Hotels:**

- |                         |                        |
|-------------------------|------------------------|
| <b>1.</b> Signature Inn | <b>2.</b> Best Western |
| 3400 N. Chadam Lane     | 3011 W Bethel Ave.     |
| Muncie IN 47302         | Muncie IN 47304        |
| (765)284-4200           | (765)282-0600          |

**Meals:**

At the flying field, participants will be able to buy refreshments and food on competition days. Meal prices are not included in the entry fees. Price for one meal (lunch) at the flying field (hot meal, grill, etc.) will be approximately \$5.00 to \$6.00 USD/3 to 5 Euro.

Dinner can be found at several area restaurants for a variety of pricing with an average cost of \$10 to \$15 USD/7 to 11 Euro. Information regarding local dining options will be made available with competitor packages.



**Airport Information:**

For International travel, it is recommended that you utilize Chicago, O’Hare International in Illinois, or Cincinnati Northern Kentucky International Airport in Ohio. Although further away than some other airports, Chicago’s O’Hare in Illinois and Cincinnati- Northern Kentucky is known to have direct (non-stop) flights from Europe and other destinations. Indianapolis International in Indiana or Dayton International in Ohio are good choices to serve as connecting airports. Cincinnati is approximately 120 miles (193 km), Chicago’s O’Hare is approximately 226 miles (363 km) away from the AMA Headquarters site in Muncie, Indiana; Indianapolis and Dayton airports are approximately 70 miles (112 km) distance.

**Directions to the AMA International Aeromodeling Center in Muncie, Indiana, USA**

**O’Hare Airport Chicago Area:**

Take I-90 out of airport to I-294 South. Follow I-294 to I-80/94 East into Indiana. Take I-65 South. From I-65 take Route 28 East exit. Travel 28 East to I-69 South. From I-69 take Route 332 East exit (#41), turn left off exit ramp. Route 332 becomes McGalliard and runs through Muncie’s business and mall area. Follow McGalliard to Route 67 South. Turn right (south) onto 67. Take the Memorial Drive exit and turn left off the exit ramp onto Memorial Drive. Travel about a half-mile; the AMA International Aeromodeling Center and National Model Aviation Museum will be on the right side of the road.

**Cincinnati Airport:**

Take I-75 North toward Dayton, Take exit 61 to I-70 West. Follow I-70 West toward Indianapolis. Take exit 149B to IN-38/US-35 toward Muncie Indiana. Take the Memorial Drive exit and turn left off the exit ramp onto Memorial Drive. Travel about a half mile; the AMA International Aeromodeling Center and National Model Aviation Museum will be on the right side of the road.

**Indianapolis Airport:**

Take the I-465 Bypass East around to the I-69 North exit. Follow I-69 North to the Route 67 exit (#34). Travel 14 miles to the Memorial Drive exit. Turn left (east) off of exit ramp onto Memorial Drive. Travel about a half-mile; the AMA International Aeromodeling Center and National Model Aviation Museum will be on the right side of the road

**Dayton Airport:**

Merge onto I-70 Follow I-70 West toward Indianapolis. Take exit 149B to IN-38/US 35 toward Muncie Indiana. Take the Memorial Drive exit and turn left off the exit ramp onto Memorial Drive. Travel about a half-mile; the AMA International Aeromodeling Center and National Model Aviation Museum will be on the right side of the road.

**13<sup>th</sup> FAI WORLD CHAMPIONSHIPS FOR ELECTRIC MODEL AIRCRAFT F5B – F5D  
SCHEDULE OF EVENTS**

DAY	DATE	EVENT	TIME	LOCATION
Wednesday	August, 18th	Neu-Castle Cup Open International F5B Contest Rounds 1 and 2	09:00 – 18:00	Site 4
		Neu-Castle Cup Open International F5D Contest Rounds 1, 2, 3, 4 and 5	09:00 – 15:00	Site 3
Thursday	August, 19th	Neu-Castle Cup Open International F5B Contest Round 3	09:00 – 15:00	Site 4
		Neu-Castle Cup Open International F5D Contest Rounds 6, 7, 8, and 9	09:00 – 18:00	Site 3
		Welcome Reception - BBQ	18:00 – 21:00	Site 3
Friday	August, 20th	Registration of teams, FAI Judges and Jury	09:00 – 18:00	AMA Education Center
		F5B Model Processing	09:00 – 18:00	AMA Education Center
		F5D Model Processing	09:00 – 18:00	AMA Education Center
		F5B Official Team Practice	09:00 – 17:00	Site 4
		F5D Official Team Practice	09:00 – 17:00	Site 3
		FAI World Championship Opening Ceremonies	18:00 – 19:30	Site 3
		Team Managers Meeting	19:30 – 20:30	Boardroom AMA HQ
Saturday	August 21st	FAI World Championship F5B Rounds 1 and 2	09:00 – 18:00	Site 4
		FAI World Championship F5D Rounds 1, 2, 3 and 4	09:00 – 18:00	Site 3
Sunday	August 22nd	FAI World Championship F5B Rounds 3 and 4	09:00 – 18:00	Site 4
		FAI World Championship F5D Rounds 5, 6, 7 and 8	09:00 – 18:00	Site 3
Monday	August 23rd	FAI World Championship F5B Rounds 5 and 6	09:00 – 18:00	Site 4
		FAI World Championship F5D Rounds 9, 10, 11 and 12	09:00 – 18:00	Site 3
Tuesday	August 24th	FAI World Championship F5B Rounds 7 and 8	09:00 – 18:00	Site 4
		FAI World Championship F5D Rounds 13 and 14	09:00 – 18:00	Site 3
Wednesday	August 25th	<b>Reserve/Rain Day</b>	<i>09:00 – 17:00</i>	<b>Site 3 and Site 4</b>
		<i>Optional Tour of Wright Patterson Air Force Base Museum.</i>	<i>09:00 – 17:00</i>	<i>Dayton, Ohio.</i>
		Closing Ceremonies FAI Award Presentations	17:00 – 18:00	Site 3
		Closing Banquet Organizer Award Presentations	19:00 – 22:00	Horizon Convention Center, Muncie

**The organizing committee reserves the right to change this schedule if necessary**

**Competition**

Asphalt Area (3) will serve as Flightline #1.

**Areas:**

Grass Area (4) will serve as Flightline #2.

# International Aeromodeling Center Site Map

- ① Telephone  
CL Precision  
Aerobatics  
RC Aerobatics
- ② CL Speed

- ③ RC Aerobatics  
RC Pylon Racing  
RC Scale

- ④ RC Helicopter  
RC Aerobatics  
FF  
RC Combat  
RC Scale  
Aerobatics  
RC Competition  
Fun Fly

(When not in use for a contest, spread spectrum only)

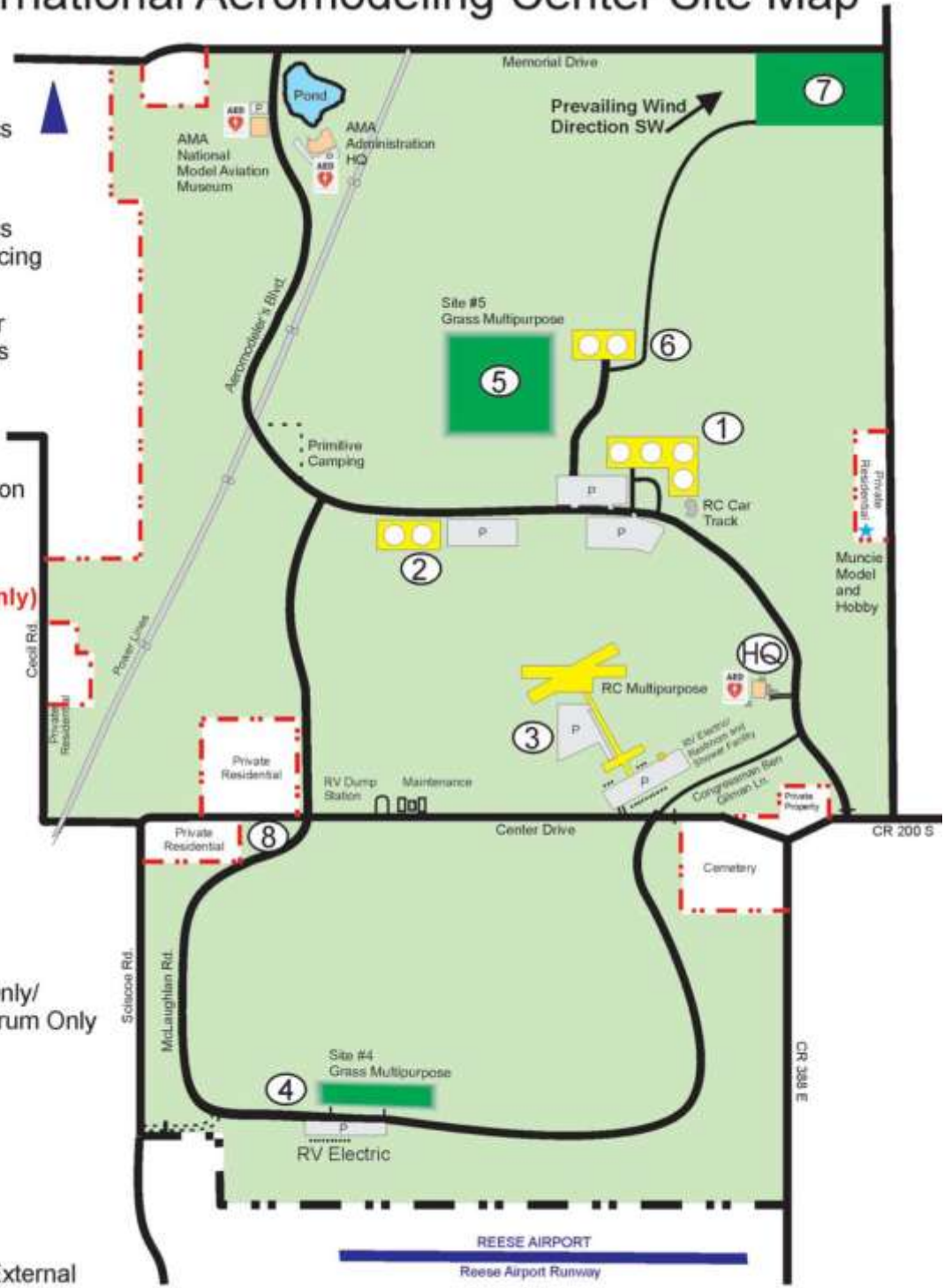
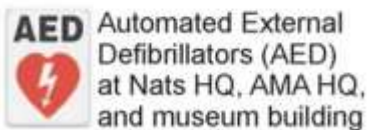
- ⑤ CL Carrier  
CL Combat  
RC Soaring  
RC Electric

- ⑥ CL Racing  
CL Scale

- ⑦ FF/North Site

- ⑧ Park Flyers Only/  
Spread Spectrum Only

- HQ Telephone  
Nats HQ  
EMS Services  
Ice



**PLEASE PARK IN PARKING LOTS ONLY**

**SPEED LIMIT 25 MPH**

**Event  
Management:**

Event Director:  
**Mr. Michael Neale**

Contest Directors:  
F5B, **Mr. Steve Manganeli**  
F5D, **Mr. Peter Bergstrom**

AMA President:  
**Mr. Dave Mathewson**  
Academy of Model Aeronautics

AMA Executive Director:  
**Mr. Jim Cherry**  
Academy of Model Aeronautics

AMA Technical Director:  
**Mr. Greg Hahn**  
Academy of Model Aeronautics

AMA/FAI Coordinator:  
**Ms. Colleen Pierce**  
Academy of Model Aeronautics

**Public Relations:**

During the Championship the presence of local newspapers and electronic media is expected. The following media will be informed about the FAI World Championships.

- Regional & Local Newspapers
- Regional & Local Television Stations
- Regional & Local Radio Stations

AMA Public Relations Director:  
**Mr. Chris Brooks**  
Academy of Model Aeronautics

**Correspondence:**

Academy of Model Aeronautics  
2010 FAI World Championships for Electric Model Aircraft  
5161 E. Memorial Drive  
Muncie IN 47302  
U.S.A.  
Phone: (765) 287-1256, ext. 252  
Fax: (765) 289-4248  
e-mail: [cpierce@modelaircraft.org](mailto:cpierce@modelaircraft.org)

**Web Site:**

The official Web site containing all World Championships information may be found at <http://www.modelaircraft.org/ewc2010/ewc.aspx>. This site will be kept updated with all Bulletins and other pertinent information.

**Bulletin 3:**

Bulletin 3 will be mailed in June 2010.