



# 2019 FAI F1 WORLD CHAMPIONSHIPS FOR FREE FLIGHT MODEL AIRCRAFT

*Lost Hills, California, USA  
October 17-22, 2019*

Bulletin 2 ~ May 2019

## CLASSES TO BE FLOWN:

- F1A (GLIDERS)
- F1B (MODEL AIRCRAFT WITH EXTENSIBLE MOTORS "WAKEFIELD")
- F1C (POWER MODEL AIRCRAFT)

## ABOUT THE COMPETITION

### Flying Site Location

Bissonette-Mirage Field, Lost Hills, California, USA

From I-5, take highway 46 west (to Paso Robles) approximately 5 miles. Turn right (north) on Holloway Road for exactly 4 miles. On the left side of the road you will see twin pillars at the entrance to the site. Flying site is approximately a mile in on that dirt road and will vary by the Contest Director's choice. The flying field is approximately located by Google Earth with the pointer +35° 40' 14.20", -119° 47' 0.59"

### FAI Jury

Head Jurist - Ian Kaynes, GBR

Jurist - Shigeru Kanegawa, JPN

Jurist - Chuck Etherington, USA

Alternate Jurist - Matt Gewain, USA

Alternate Jurist - Cenny Breeman BEL

### Contest Management

Role	Name	Contact information
Contest Director	Charlie Jones	<a href="mailto:info.2019usfaiffwc@gmail.com">info.2019usfaiffwc@gmail.com</a>
Head of Processing	Ed Carroll	
Head Timekeeper	Brian Van Nest	<a href="mailto:Bisheatf1a@gmail.com">Bisheatf1a@gmail.com</a>
Head of Field Operations	Mike McKeever, Bill Booth	
Academy of Aeronautics (AMA)	Colleen Pierce	<a href="mailto:cpierce@modelaircraft.org">cpierce@modelaircraft.org</a>
National Free Flight Society	John Lorbiecki	



## CONTEST LOGISTICS

### Main Schedule

The 2019 Free Flight World Championship competition will be held October 15 through October 22, 2019. All times are tentative and subject to change. Final round times will be communicated in the final bulletin.

Date	Activity	Time
Tuesday, Oct. 15	Registration and processing	10:00 – 16:30
	Practice	All day
Wednesday, Oct. 16	Registration and processing	9:00 – 16:30
	Practice	All day
Thursday, Oct. 17	Practice	7:15 – 12:00
	Opening Ceremony	14:00 – 15:30
	Time Keepers Meeting	16:30 – 17:30
	Team Managers meeting	18:00- 19:00
Friday, Oct. 18	F1A Competition	8:00 – 18:30
Saturday, Oct. 19	F1B Competition	8:00 – 18:30
Sunday, Oct. 20	F1C Competition	8:00 – 18:30
Monday, Oct. 21	Reserve Day if necessary	8:00 – 18:30
Tuesday, Oct. 22	Closing and Awards Ceremony	13:00 – 14:00
	Bus transportation to Banquet	16:00 – 17:00
	Banquet in Bakersfield	17:00 – 22:00

### General Rounds Schedule

The **first and second** round max each day shall be:

- F1A - 240 seconds
- F1B - 240 seconds
- F1C - 240 seconds

The maxes for the remaining rounds each day are 180 seconds. There will be no lunch break. All round times are tentative and subject to change. Final round times will be communicated in the final bulletin.

Round	Round Times
1	8:00 - 8:55
2	9:00 - 9:55
3	10:00 - 10:55
4	11:00 - 11:55
5	12:00 - 12:55
6	13:00 - 13:55
7	14:00 - 14:55

## Fly-Off Schedule

For Lost Hills, California, during October 17-22, 2019, sunrise is approximately 6:50 a.m. and sunset is approximately 6:30 p.m.

The afternoon fly-off maxes will be 6, 8, 10 minutes. The morning fly-off max will be at least 10 minutes.

Fly-Off		
Round	Group 1	Max
F01	16:30 - 16:37	6
F02	17:15 - 17:22	8
F03	18:00 - 18:07	10
AM	7:20 - 7:27	10

## Flightlines

On the flying field, there are possibly 2 or 3 locations which can be used for flightlines depending on the wind direction and the wind speed. Notification of which flightline will be used each day will be provided each morning.

## Procedures and Rules

The competition will be conducted in accordance with the FAI Sporting Code Section 4, Aeromodelling CIAM General Rules 2019 Edition, FAI Sporting Code, Section 4 – Aeromodelling Volume F1, 2019 Edition, FAI Sporting Code General Section, and FAI Code of Ethics.

- The use of a motorized vehicle to attempt to influence the flight of a model is considered to be a safety hazard, and is therefore prohibited. Contestants who violate this rule will be disqualified from the Championship and forfeit all fees paid. Any non-competitor violating this rule will be asked to leave the field.
- The official language will be English.

## Protests

All protests must be presented in writing to the Contest Director and must be accompanied by a deposit of 50 euros.

## Complaints

A complaint may also be filed. The purpose of a complaint is to obtain a correction without the need to make a formal protest. Complaints are made to the Contest Director and may be verbal.

## Anti-Doping Statement

If a competitor has to take, for a medical condition, any of the substances listed on the WADA Prohibited List, he or she must have a valid Therapeutic Use Exemption (TUE) from FAI.

## FAI License

Each competitor and team manager must possess an FAI Sporting License valid for the year of the championship. The license must be registered in the FAI license database. The holder of the FAI Sporting license may be required to produce an official document bearing his or her photograph and signature as proof of identity.

## Insurance

The Academy of Model Aeronautics (AMA) will provide a limited third-party liability insurance covering all competitors for model accidents involving injury to others and damage to property.

It is recommended that individual health and travel insurance be purchased before traveling.

## F1C Fuel

F1C fuel will be provided by the organizers. **Contest fuel for official flying will be provided at every pole.** Contest fuel will be provided in quart containers with fuel tubing and filters for withdrawing fuel by syringe. Contestants are required to draw fuel through the tubing provided and take care to keep the fuel container sealed and clean. Removal of the top and filling contestant fuel cans or syringe from the open bottle is not allowed. Timers will observe the drawing of fuel from the containers and fueling models prior to flight. Contest fuel will be available along the line 1 hour before the start of the first round. Fuel will be available for purchase prior to the World Championships so that teams may practice. Entry forms will ask for teams to specify if they prefer castor or synthetic oil. Both types of fuel will be available on the flight line.

## MODELS

### Number of Models Allowed

During the initial processing, the participant will be allowed to process a total of four models.

### Certification of Models

In order to comply with the current FAI Sporting Code, each model must have model specification certificates.

### Processing of Models

Models randomly selected for processing during the contest will be weighed and checked for proper markings and identification. F1A lines will be measured and F1B motors will be weighed.

The first, second, and third-place winners will have the models used during that contest processed immediately after the last flight. Models will be weighed and measured for adherence to the FAI Sporting Code. All tools necessary for processing the models will be provided by the contest management. This includes, but is not limited to, scales, calipers, and tape measures.

## RESULTS AND AWARDS

The results will be posted on scoreboards at the flying field during the competition and on the official website: [www.modelaircraft.org/events/fai-2019-f1abc](http://www.modelaircraft.org/events/fai-2019-f1abc).

FAI Medals and diplomas will be awarded to the competitors who placed first, second, and third. Trophies will also be awarded to the competitors who placed first, second, and third. FAI Medals and diplomas will be awarded to each team member for each event who placed first, second, and third. Trophies will also be awarded to those team members who placed first, second, and third.

Perpetual trophies will be awarded to individuals and teams that place first in each event and for the overall team championship.

## FAI Trophies and 2017 Winners

F1A Individual	Swedish Glider Cup	Igor Bombek, Croatia
F1A Team	Daumerie Cup	France
F1B Individual	Wakefield Cup	Stepan Stefanchuk, Ukraine
F1B Team	Penaud Cup	Serbia
F1C Individual	Victor Tatin Cup	Yury Shvedenkov, Canada
F1C Team	Kosmonautica Vase & Franjo Kliz Cup	China
F1ABC Challenge	Challenge France	France

The reigning Champions have the right (subject to the approval of their NAC) to participate in the championship(s) in that class regardless of whether or not he qualifies for the national team. If he is not a member of the national team, his score or place will not be considered in the team results. This also applies to reigning Junior Champions who are too old to defend their title at the relevant Junior Championships.

## FEES

	<b>Fees in euros</b>
Entry fee per competitor *Note: if competitor is flying more than one event the second entry fee will be discounted by 50%.	300 euros
Entry fee for team manager and assistant team manager *Note: if team manager or assistant team manager is also a competitor then they will only pay the competitor fee.	200 euros
Official Helper and Support fee (allows access to flightline and downwind retrieval of models)  There will be no fee for spectators, but they will not be permitted access to flightline and/or downwind retrieval.	50 euros
Closing Banquet	50 euros

## Deadlines

Preliminary Entry Forms (intent to enter a team with number of competitors for each class) will be due by January 18, 2019. The form can be found at the end of this bulletin or on the official website: [www.modelaircraft.org/events/fai-2019-f1abc](http://www.modelaircraft.org/events/fai-2019-f1abc).

Payment schedule is as follows:

All entry fees are due by July 31, 2019. Any payment made after July 31, 2019 will incur a 10% surcharge. No entry fees will be accepted after August 31, 2019, unless for exceptional circumstances and the agreement of the organizer.

## LOGISTICS

### Accommodations

It is the responsibility of each team to acquire accommodations. The following accommodations are available in Lost Hills, Wasco, and Button Willow and are listed without endorsement. We recommend trying to calling these hotels for the availability of lower rates. \*Note, this list has not been updated to reflect current availability.

Lost Hills (10 miles, 15 minutes from field)

Motel 6, (661) 797-2346 average rate is \$70.00-\$90.00 a night.

Days Inn, (661) 797-2371 rates are not available at this time.

KOA Lost Hills RV Park, (661) 797-2719 average rate is \$45-\$60 a night.

Wasco (28 miles, 35 minutes from field)

Best Western Plus, (661) 758-1111 rates between \$120-150 a night. Suites available.

Buttonwillow (32 miles, 40 minutes from field)

Motel 6, (661) 764-5153 average rate is \$45-\$60 a night.

Super 8, (661) 764-5117

Best Western Heritage Hotel, (661) 764-6268 average rate is \$99-\$110 a night.

Kettleman City (34 miles, 34 minutes from field)

Best Western Kettleman City (559) 386-0804 average rate \$114-\$160 a night.

There will be RV camping available on the field. There are several rental companies in the Los Angeles area that rent motor homes and RVs. The contest management can provide a list upon request. Please understand there are no electric hookups or fresh water supplies available to campers on the field.

Electricity is 110v 60Hz.

Invitation letters for the purpose of acquiring a travel visa can be provided by AMA. Please contact Charlie Jones or Colleen Pierce for assistance.

### Meals

During the competition days there will be lunch and refreshments available at the flying site. The lunch price is not included in the entry fee. Average lunch price is 5-8 euros. Soft drinks 1-2 euros.

There are several restaurants and fast food business located in Lost Hills, Wasco, and Buttonwillow ranging in prices. Dinner at most local area restaurants will cost 10-20 euros. More details about restaurants will follow in the next bulletin.

### Emergency Services

There will be no emergency services available on the field beyond simple first aid.

Lost Hills Fire Department, (661) 797-2308

Lost Hills Ambulance, (661) 797-2300

## Hospitals/Medical Centers near Lost Hills:

Delano Regional Medical Center -- Acute Care Hospital, proprietary, provides emergency services, approximately 28 miles away; 1401 Garces Highway, Delano, CA (661) 725-4800.

Corcoran District Hospital -- Acute Care Hospital, Government - Hospital District or Authority, provides emergency services, approximately 34 miles away; 1310 Hanna Ave., Corcoran (559) 992-5051.

Bakersfield Heart Hospital -- Acute Care Hospitals, proprietary, provides emergency services, approximately 40 miles away; 3001 Sillect Ave., Bakersfield, CA (661) 316-6000.

## Future Communications

All communications will be available on the official website:

[www.modelaircraft.org/events/fai-2019-f1abc](http://www.modelaircraft.org/events/fai-2019-f1abc). A second bulletin will be published on June 2019, and a final bulletin will be published on August 2019. There will also be a Facebook page which will present information and announcements. Search for 2019 FAI Free Flight World Championships for F1ABC.

There will be three World Cup Contests scheduled around the dates of the World Championship. The Sierra Cup will be held before and the Kotuko Cup will be held after the Championship at Lost Hills. The third World Cup contest will be located in Boulder City, near Las Vegas. A web link will be available for entry to these contests on the official website: [www.modelaircraft.org/events/fai-2019-f1abc](http://www.modelaircraft.org/events/fai-2019-f1abc). Please see below for the events and dates.

Thursday, October 10, Kotuko Cup – F1E

Friday, October 11, Sierra Cup – F1E

Saturday, October 12, Sierra Cup – F1A and F1Q

Sunday, October 13, Sierra Cup – F1B and F1C

Monday, October 14, Kotuko and Sierra Cup – Mini events – F1G, H, J, S

Tuesday, October 15-Tuesday, October 22, World Championship

Wednesday, October 16, Women Tea Party all women are invited

Wednesday, October 23, Kotuko Cup F1A and F1Q

Thursday, October 24, Kotuko Cup F1B and F1C

Saturday, October 26, Las Vegas FAI World Cup – mini events – F1G, H, S

Sunday, October 27, Las Vegas FAI World Cup – F1A,B,C,Q



KOTUKU CUP.pdf



2019 Sierra Cup.pdf



2019 Las Vegas FAI  
Challeng1.pdf

## LOST HILLS FIELD RULES

Speed limit: 20 MPH for all vehicles including chase vehicles on all roads.

Speed limit: 10 MPH for all vehicles including chase vehicles in and near camping, parking, and flying areas.

Acceptable chase vehicles are motorcycles, quad cycles, golf carts, bicycles, and similar small vehicles.

Passenger vehicles may be **NOT** be used to chase models across open fields at any time. No Moto-Flapping (flapping on motorcycles or other motorized vehicles).

Do not park on roads unless directed to do so by contest management. Keep all passenger vehicles (cars, trucks, vans, etc.) a minimum 150 feet from flightlines and flying areas.

Passenger vehicles may be used to deliver and set up flightline equipment, but must be moved to the designated parking areas no less than 10 minutes prior to round one, or prior to the start of the next round after the flightline has been moved.

Passenger vehicles may be used to pick up flightline equipment:

- 1) 10 minutes after the horn ending the final fly-off round for the day.
- 2) Immediately after the horn ending a round prior to moving the flightline.

Please keep all areas of the field including north and west flightline areas clean. Pick up and remove everything you bring including broken motors, model parts, cups, cans, food wrappers, etc. Leave your flying area cleaner than when you arrived.

## ORCHARD RULES

### **IMPORTANT:**

[Read attached message from the Lost Hills Free Flight Model Airfield Assoc. Board of Directors.](#)

Do not climb trees at any time for any reason, **EVER! NO EXCEPTIONS.** Ask Contest Director for telescoping pole and ladder.

Do not step on or drive across plastic irrigation piping in orchards, **EVER! NO EXCEPTIONS.** Chase bikes are only allowed to drive down open rows between and parallel to trees. Please ride as far away from trees as possible and if on foot, minimize walking across the irrigation pipes.

**Under no circumstances shall passenger vehicles enter the orchard areas. Violation of this rule will result in immediate disqualification and removal from the flying site.**



# BEE PREPARED FOR BEES



Please **READ** the following and be prepared to share the field with some bees.

It isn't something we like and the LHFMAA has made every effort to distance the bees from headquarters and flying areas, but it is essential that we are good neighbors to the tree farmers and their bees. The bees are just as uncomfortable with us as we are with them, but they are a critical part of the pollination process for the trees in the surrounding orchards. Taking some basic precautions will go a long way to minimizing beestings from happening. See CD or Headquarters if you need attention for a sting. **In case of emergency, always call 911. If you are allergic to beestings you should bring with you the appropriate medication.**

## **DON'T GO ON THE ATTACK**

If you start swatting at a passing bee, he is going to get mad and try to sting you. Remain calm and either move away slowly or stay put until the bee moves away.

## **WEAR-LIGHT COLORED, NEUTRAL CLOTHING**

If you don't want a bee to confuse you with a pollen-filled flower, avoid wearing bright colors. Stick to clothes in tan, cream, and white so you'll easily be able to see when a dark insect lands on you.

## **COVER UP**

Nothing deters a stinger like a layer of clothing. Wear long-sleeved shirts and pants, socks and closed-toe shoes. If you have long hair, pull it back and up. Bees think of hair as a ladder that will lead them to a banquet of exposed skin.

## **TRASH and FOOD**

There is nothing like the smell of something rotten to attract bees. Make sure your trash is neatly contained in a place away from where you want to be. Keep doors and windows on all vehicles, including RVs, closed whenever possible. Open and handle outdoor containers with caution.

## **SUGARY DRINKS**

Bees love soft drinks, sweet tea and lemonade almost as much as you do. Avoid these drinks when outdoors. If you have to have that sugary fix, drink from an open glass or container so you can see a bee before you take a sip. Keep all containers tightly sealed and look carefully before you drink from a can.

## Final Entry Form

Please complete this preliminary entry form and email to [info.2019usafaiffwc@gmail.com](mailto:info.2019usafaiffwc@gmail.com) or [cpierce@modelaircraft.org](mailto:cpierce@modelaircraft.org) no later than July 31, 2019.



2019\_F1ABC\_WC\_R  
EGISTRATION.xlsx

## Closing Ceremony Banquet information

Our Closing Ceremony Banquet will be held at **The Buck Owens Crystal Palace** (also known as the Crystal Palace and The Palace) is a [music hall](#) located in [Bakersfield, California](#). It was constructed by [Buck Owens](#), and was opened in 1996. Primarily it is a performance venue for [country western music](#), although other music genres have been heard there. It is also the home of the Buck Owens Museum, which contains items related to his career (some of the items are also available for viewing online).<sup>[1]</sup> Although it is classified in this article as a music hall, it is also a: [nightclub](#), bar, [restaurant](#), and museum.

The Crystal Palace is designed in the Western Revival style, a style that resembles buildings from the 19th-century American Old West. The interior resembles an American western town from that same period. The museum is located in display cases around the first floor, which resemble the windows to the building.

For additional information regarding the venue please visit <https://www.buckowens.com/>

We will be providing transportation to and from the banquet from three different locations nearby the hotels that attendees of the World Championships will be residing in the cities of Lost Hills, Wasco, and Buttonwillow.

Tickets can still be purchased at the time teams complete their registration and processing at Lost Hills Community centers.

We hope that all of you can join us for one final celebration of the week's events and to honor the champions!