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June 29



#### **RC Scale Aerobatics**

Text and photos by Rich Whitlow

We began the day at the 7:30 a.m. pilots' meeting. The weather was crisp and the wind was fairly mild. The pilots were anxious to get started and the crew was ready to go.

Wheels up was at 8 a.m. and the airplanes were actually airborne early.

The day began with the Knowns. There were two efficient flightlines and there were always airplanes in the air ready to perform their sequences.

It wasn't long before the wind started to pick up and make things tricky in the air. It continued to increase and then suddenly things began to get tricky on the ground, as well. There were incidents where planes pin wheeled into the wind while just sitting on the tarmac.

There were also troubles during takeoffs and landings. It certainly made the day more challenging for the pilots.

Four single Known rounds were flown and one Unknown for all classes. Unknowns for Thursday's round were handed out.

The contest continues Thursday morning and we will do it again!





















#### Sportsman

Final scores in Sportsman ranged from a low of 968.1 to a high of 3,658.9 (a range of 2,690.8)

	Pilot	Final Score	Known				Unknown <sup>[us]</sup>
Rank			Round 1	Round 2	Round 3	Round 4	Round 1
			Seq 1	Seq 1	Seq 1	Seq 1	Round 1
1	Bruce, Cayden AMA#954714	3,658.9	975.0	<del>855.3</del> thrown	1,000.0	933.9	750.0
2	Pankratz, Sam AMA#1063457	3,657.8	1,000.0	1,000.0	<del>813.3</del> thrown	917.6	740.2
3	Hedrick, JJ AMA#1036358	3,562.5	997.6	936.2	810.3 thrown	944.8	683.9
4	Landa, Michael AMA#1099276	3,455.1	929.5	906.5	786.0 thrown	967.6	651.4
5	Lambert, Rhett AMA#1105466	3,428.4	952.9	<del>902.4</del> thrown	917.8	1,000.0	557.7
6	Duggan. Mike AMA#5	3,366.5	911.9	872.9	<del>704.2</del> thrown	940.0	641.8
7	Young, Luke AMA# 976604	3,348.3	871.4	922.8	<del>737.0</del> thrown	883.0	671.1
8	Leister, Philip AMA#875929	3,133.5	804.8	780.7	<del>628.4</del> thrown	854.7	693.3
9	Foster, Randy AMA#828636	2,991.6	748.6 thrown	863.5	844.6	784.8	498.7
10	Mcintire, Guy AMA#L400444	2,930.1	641.5 thrown	886.7	677.0	794.8	571.6
11	Leister, Durell AMA#233247	2,634.4	626.5	<del>566.0</del> thrown	744.3	660.3	603.2
12	Roxberry, Michael AMA#1366	2,380.4	673.2	<del>513.8</del> thrown	544.0	583.7	579.4
13	Young, Thomas AMA#99373	2,242.4	632.9	570.1	580.6	<del>527.0</del> thrown	458.8
14	Norton. Jim AMA#221727	968.1	617.3	350.7	<del>0.0</del> thrown	0.0	0.0

<sup>[us]</sup> - Unknown rounds were scaled to ~750 max points each. (Unknowns weighted as 20% of the total score.)

## Unlimited

Final scores in Unlimited ranged from a low of 556.4 to a high of 3,725.8 (a range of 3,169.4)

Rank	Pilot	Final Score		Unknown <sup>[us]</sup>			
			Round 1	Round 2	Round 3	Round 4 Seq 1	Round 1
			Seq 1	Seq 1	Seq 1		
1	Moser, David AMA#654738	3,725.8	962.0 thrown	1,000.0	996.1	979.7	750.0
2	Koelling, Kurt AMA#6238	3,697.7	1,000.0	<del>981.6</del> thrown	1,000.0	994.4	703.3
3	Shulman, Jason AMA#1153	3,644.4	938.7	998.9	927.7 thrown	1,000.0	706.9
4	Reifsnyder, Kal AMA#29	3,479.5	801.0 thrown	950.4	938.4	904.7	685.9
5	Baker, Craig AMA#8072	3,329.2	903.5	916.4	806.0 thrown	857.3	652.1
6	Silva. Carlos AMA#1047407	3,257.3	854.4	900.0	<del>831.4</del> thrown	920.8	582.2
7	Morton, Ray AMA#1407	3,205.4	835.6	856.8	<del>879.2</del> thrown	859.9	653.1
8	Matustik, Louis A. AMA#L1900	3,126.4	849.0	853.3	710.6 thrown	856.8	567.3
9	Kochav, Adi AMA#875637	2,970.3	784.2 thrown	819.6	827.3	814.7	508.7
10	Maharis, Thomas AMA#863667	2,075.5	0.0 thrown	0.0	826.5	755.6	493.3
11	Schroder, John AMA#893	556.4	556.4	<del>0.0</del> thrown	0.0	0.0	0.0

<sup>[us]</sup> - Unknown rounds were scaled to ~750 max points each. (Unknowns weighted as 20% of the total score.)

# Intermediate

Final scores in Intermediate ranged from a low of 1,828.7 to a high of 3,721.4 (a range of 1,892.7)

			Known				Unknown <sup>[us]</sup>
Rank	Pilot	Final Score	Round 1	Round 2	Round 3	Round 4	Round 1
			Seq 1	Seq 1	Seq 1	Seq 1	Round 1
1	Cantin. Kobe AMA#4	3,721.4	995.3	<del>979.0</del> thrown	1,000.0	998.8	727.3
2	Herron, David AMA#582686	3,717.8	1,000.0	1,000.0	<del>933.7</del> thrown	967.8	750.0
3	Bonachea, Carlos AMA#833085	3,659.8	938.4 thrown	953.4	984.9	986.2	735.3
4	Ramsey, Jacob AMA#842482	3,550.1	840.7 thrown	892.0	937.4	996.8	723.8
5	<u>Jaffe, A.J.</u> AMA#680760	3,527.5	020.3 thrown	940.9	939.4	931.9	715.3
6	Pellerin. Terry AMA#418879	3,514.9	<del>900.0</del> thrown	906.9	933.3	1,000.0	674.7
7	Messick. Skip AMA#396430	3,493.9	887.0	<del>815.9</del> thrown	953.6	955.8	697.5
8	Jaworski, Andrew AMA#753164	3,415.9	<del>823.1</del> thrown	916.7	905.6	941.2	652.4
9	Maruschek, Jeff AMA#934563	3,235.1	877.0	<del>0.0</del> thrown	853.0	901.7	603.4
10	Mackles, Ben AMA#953067	2,321.4	949.5	<del>347.6</del> thrown	964.0	407.9	0.0
11	Tumer, Kevin AMA#937387	1,828.7	511.1	776.0	<del>0.0</del> thrown	0.0	541.6

<sup>[us]</sup> - Unknown rounds were scaled to ~750 max points each. (Unknowns weighted as 20% of the total score.)

### Advanced

Final scores in Advanced ranged from a low of 3,017.8 to a high of 3,750.0 (a range of 732.2)

Rank	Pilot	Final Score	Known				Unknown <sup>[us]</sup>
			Round 1 Seq 1	Round 2	Round 3 Seq 1	Round 4	Round 1
				Seq 1		Seq 1	
1	Tumer. Evan AMA#964797	3,750.0	<del>1,000.0</del> thrown	1,000.0	1,000.0	1,000.0	750.0
2	Johnson, Mitch AMA#988310	3,522.8	911.1	941.9	<del>854.0</del> thrown	920.0	749.8
3	McCreary, Joshua AMA#987662	3,366.4	861.7	894.6	<del>822.0</del> thrown	894.4	715.6
4	Arnold, Dale AMA#7467	3,309.5	860.3	813.2 thrown	817.1	910.4	721.7
5	Andrews, Earle AMA#885959	3,151.3	918.1	663.8	<del>637.6</del> thrown	981.3	588.0
6	Thibodeau. Joseph AMA#11718	3,017.8	824.9	885.1	<del>741.0</del> thrown	868.6	439.3

<sup>[us]</sup> - Unknown rounds were scaled to ~750 max points each. (Unknowns weighted as 20% of the total score.)







National Model Aviation Museum Hours: 7 days a week 10 a.m.-4 p.m.

**In the early** 1970s, some modelers felt that there was a declining interest in RC Pattern competition. Comments included that it was boring to watch, all of the airplanes looked alike, they flew too fast, and there was no spectator interest.

Jerry Nelson and Olie Olson, founding members of the International Miniature Aerobatic Club (IMAC), proposed a new event. Pilots would be judged on how well they could fly specific maneuvers using models that looked like full-scale aerobatic aircraft. Unlike Pattern, a pilot's entire flight, instead of just individual maneuvers, would be judged.

Olie tested the idea when he put on the first National Multi-Wing Championships, in Omaha, Nebraska, in 1973. Although Scale aircraft were not required, models had to be biplanes because that was the type of aircraft being flown in full-scale aerobatic competitions.

Also for the championships, pilots had to include five extra stunts, or freestyle maneuvers, between the required maneuvers. Bill Heger, flying this aircraft, won that first event and the first IMAC Nationals hosted by Sig Manufacturing Co., Montezuma, Iowa.



The museum had been looking for the Knight Twister—or at least plans for the model so a reproduction could be built—for years without luck. Then out of the blue, Jack Popenhager, a longtime friend of Bill's, called asking if we might be interested in this airplane that his friend had competed with.

The Knight Twister is currently on display in the National Model Aviation Museum. Be sure you stop in and check it out!



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