

Sunday
May 27

NatsNews

Daily Coverage of the 2012 National Aeromodeling Championships



Ben Saks.

Academy of Model Aeronautics International Aeromodeling Center, Muncie IN
website: www.modelaircraft.org; email: nats@modelaircraft.org

Copyright Academy of Model Aeronautics 2012
Editors: Ashley Rauen, Rachelle Haughn, Liz Helms

Today's Events:
Limited Pennyplane
F1M
Electric Duration

THE COCONUT Mass Launch was one of the most spectacular in recent memory. Joshua Finn returned to give the Smyrna FAC club some competition with his Kawasaki Tony. After a few minutes, it was down to the Tony and Tim Lavender's Ford Stout.

Both were circling high in the dome, and it looked as if Tim's might have still been climbing, but suddenly the Stout's wing ejected and the body of the plane arched into the ground and exploded.

The NTSB crash site analysis revealed that Tim had designed a removable wing to get the most models packed into the group's bus, and had used tape to secure it for flight. It didn't work out so well. Joshua's model beat most of Tim's plane, but it should be noted that the Stout wing—which glided with an efficient tumbling motion—came down last.

Joshua also won helicopter with a 7+. He went all-out, finally hanging the model up in the girders while attempting to improve his time. Larry Loucka left a model in the rafters too, but not before putting a score good enough for second place. Ben Saks rounded out the top three, flying a model that floundered on launch, and even went downward before getting its act together and climbing to the roof.

Pylon racers, Vic Welland and his buddy, drove down to participate in the Pro/Am. We weren't quite as organized with it as we have had been in previous years, and as we will be again next year, but hopefully they still had a good time. I had a chance to speak with them after the event, and they expressed the same kind of enthusiasm as I did when I first witnessed Indoor. They plan to return in 2013 with Pennyplanes and A-6 models.

Bill Gowen set another national record in A-6—twice—taking home the win with a final 11:02. Tom Sova showed he can fly models on both ends of the spectrum with a solid second place finish.

Walt Van Gorder flew his "Pieces" Manhattan Cabin to another National Championship win, edging out Larry Loucka. These models are beautiful in the air, with their built-up structure on full display through the transparent covering.

Ray Harlan won

the graceful Ornithopter event over fellow expert John Diebolt.

An impressive number of events at this Nats were decided by flights launched at the very end of the window; an indication of the high competition level. I missed one from yesterday: Tom Sova snatched victory in Ministick from co-site-record-holder Larry Loucka with a buzzer beater, matching

the excitement in F1D, F1L, and now today's Pennyplane event.

Ray Harlan had a dynasty in Pennyplane, winning the last five consecutive Nats. He put up a 17:06 midway through the day to position himself for another win. Meanwhile, your *NatsNews* muckraker, John Kagan, struggled with his model, trying to put in a score that wasn't too embarrassing.



Dennis Tyson and his A-6.

First, he added a bracing wire to cure a flat flight profile during high-torque launches. That simple adjustment added two minutes. Brett Sanborn suggested that if some bracing wire added time, maybe John should try adding more. (That's why Brett is F1D National Champion).

Next, John had been noticing all day that the model made an annoying clicking sound during launch. He checked for rubbing "O" rings and found nothing amiss. With just half an hour left in the event, he realized that the propeller was missing its Teflon washer (duh). With all the parts in place, the model was launched right before the bell and, once again, a group gathered chairs to watch the flight. Again, the last flight of the day decided the event; this time a 17:16 to take the win.

The 2012 Indoor Nats close tomorrow with F1M and Limited Pennyplane. Stay tuned to *NatsNews* to see which diehards stay for the final battles, and who comes out on top. *NN*



John Kagan squeaked out a win in Pennyplane.



Ray Harlan



Walt Van Gorder won Manhattan Cabin.

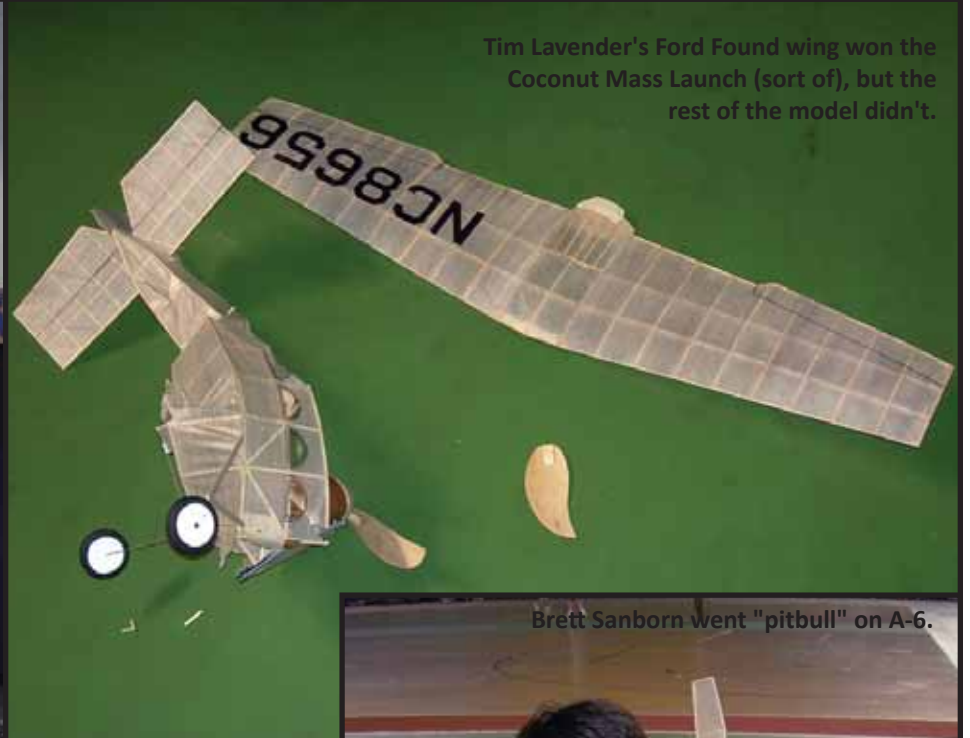
Dennis Tyson's
VP hub is set to
revolutionize A-6.
Or not.



John Kagan.



Tim Lavender's Ford Found wing won the
Coconut Mass Launch (sort of), but the
rest of the model didn't.



Brett Sanborn went "pitbull" on A-6.



Nick Ray has a neat box for carrying
his 35cm and Ministick models.



Ben Saks spent the day working on Helicopter.



Bill Gowen fuels up for A-6.



The real winner of the Coconut Mass Launch is Joshua Finn's Tony modeled here by his fiancé, Hope.



Rolf Svensson will compete in both the US and Swedish Nats this year.

SCORES

2012 Indoor National Aeromodeling Championships

Ministick

| Name | AMA # | Flight 1 | Flight 2 | Flight 3 | Flight 4 | Flight 5 | Best | Place |
|-----------------|-------|----------|----------|----------|----------|----------|-------|-------|
| Rolf Svensson | 0 | 5:28 | 5:15 | 5:08 | 5:57 | 6:55 | 6:55 | 8 |
| John O'Dell | 0 | 2:54 | 4:39 | 2:08 | | | 4:39 | 10 |
| J.P. Kish | 0 | | | | | | DNF | |
| David Erbach | 0 | | | | | | DNF | |
| Len Singer | 0 | 3:43 | 5:14 | | | | 5:14 | 9 |
| Dann Campbell | 0 | | | | | | DNF | |
| Fred Rash | 0 | 6:46 | 11:09 | 9:44 | 1:42 | | 11:09 | 4 |
| Larry Loucka | 0 | 12:00 | 10:55 | 11:41 | 9:54 | | 12:00 | 2 |
| Leo Pilachowski | 0 | 3:08 | | | | | 3:08 | 12 |
| Walt VanGorder | 0 | 0:00 | 9:59 | 9:10 | 11:29 | 10:15 | 11:29 | 3 |
| Joshua Merseal | 0 | 10:18 | 10:29 | 10:50 | 10:53 | 10:29 | 10:53 | 5 |
| Jeff Annis | 0 | 5:31 | 0:00 | 7:07 | 2:36 | | 7:07 | 7 |
| Jim Richmond | 0 | | | | | | DNF | |
| Nick Ray | 0 | | | | | | DNF | |
| Anthony Davel | 0 | | | | | | DNF | |
| Tom Sova | 0 | 10:27 | 11:53 | 8:48 | 11:51 | 12:25 | 12:25 | 1 |
| Bob Warmann | 0 | | | | | | DNF | |
| William O'Dell | 0 | 2:36 | 3:57 | 4:28 | | | 4:28 | 11 |
| Walt Collins | 0 | 6:56 | 8:55 | 8:32 | 9:48 | | 9:48 | 6 |
| Tony Pavel | 0 | | | | | | DNF | |

35cm

| Name | AMA # | Flight 1 | Flight 2 | Flight 3 | Flight 4 | Flight 5 | Best | Place |
|--------------|-------|----------|----------|----------|----------|----------|-------|-------|
| Ray Harlan | 0 | 28:08 | | | | | 28:08 | 2 |
| Larry Loucka | 0 | | | | | | DNF | |
| Nick Ray | 0 | 18:13 | 26:59 | 25:34 | | | 26:59 | 3 |
| JOSHUA FINN | 0 | 0:52 | 22:19 | 14:16 | | | 22:19 | 4 |
| Tom Sova | 0 | 28:59 | | | | | 28:59 | 1 |
| Walt Collins | 0 | 19:24 | 7:38 | 21:18 | 21:31 | | 21:31 | 5 |

F1L

| Name | AMA # | Flight 1 | Flight 2 | Flight 3 | Flight 4 | Flight 5 | Flight 6 | Best | 2nd Best | Total | Place |
|-----------------|-------|----------|----------|----------|----------|----------|----------|-------|----------|-------|-------|
| Larry Loucka | 0 | | | | | | | | | DNF | |
| Tony Pavel | 0 | | | | | | | | | DNF | |
| Chuck Markos | 0 | 17:09 | 5:38 | 17:11 | 17:38 | | | 17:38 | 17:11 | 34:49 | 6 |
| John Kagan | 0 | 19:02 | 20:36 | 19:43 | 19:26 | 20:30 | | 20:36 | 20:30 | 41:06 | 3 |
| Jeff Annis | 0 | 10:59 | 3:55 | 9:36 | 12:12 | 12:20 | | 12:20 | 12:12 | 24:32 | 14 |
| Billie Landrum | 0 | 13:54 | 13:08 | | | | | 13:54 | 13:08 | 27:02 | 10 |
| Ben Saks | 0 | 14:36 | 15:16 | 13:27 | | | | 15:16 | 14:36 | 29:52 | 9 |
| Steve Fujikwa | 0 | 17:09 | 13:39 | 17:54 | | | | 17:54 | 17:09 | 35:03 | 5 |
| Larry Calilliau | 0 | 19:36 | 19:39 | 19:29 | 19:58 | | | 19:58 | 19:39 | 39:37 | 4 |
| Jim Richmond | 0 | | | | | | | | | DNF | |
| David Erbach | 0 | 9:56 | 8:34 | 10:26 | | | | 10:26 | 9:56 | 20:22 | 16 |
| Yuan Kang Lee | 0 | 6:23 | | | | | | 6:23 | | 6:23 | 18 |
| Paul Grabski | 0 | | | | | | | | | DNF | |
| Bob Warmann | 0 | | | | | | | | | DNF | |
| Joshua Merseal | 0 | 15:15 | 16:39 | 16:56 | | | | 16:56 | 16:39 | 33:35 | 7 |
| John Diebolt | 0 | 12:18 | 12:35 | 3:37 | | | | 12:35 | 12:18 | 24:53 | 13 |
| Leo Pilachowski | 0 | 18:06 | | | | | | 18:06 | | 18:06 | 17 |
| WM. Gowen | 0 | | | | | | | | | DNF | |
| Tom Batte | 0 | 12:23 | 13:20 | | | | | 13:20 | 12:23 | 25:43 | 11 |
| Rolf Svensson | 0 | | | | | | | | | DNF | |
| Dennis Tyson | 0 | 14:28 | 14:57 | 12:57 | 14:29 | 14:47 | 15:48 | 15:48 | 14:57 | 30:45 | 8 |
| Brett Sanborn | 0 | 19:29 | 18:59 | 21:05 | 21:41 | | | 21:41 | 21:05 | 42:46 | 1 |
| Walt Collins | 0 | 9:18 | 16:07 | | | | | 16:07 | 9:18 | 25:25 | 12 |
| Anthony Davel | 0 | | | | | | | | | DNF | |
| J.P. Kish | 0 | | | | | | | | | DNF | |
| Bill Gowen | 0 | 19:29 | 13:05 | 20:12 | 9:40 | 21:30 | | 21:30 | 20:12 | 41:42 | 2 |
| Tom Sova | 0 | | | | | | | | | DNF | |
| Len Singer | 0 | 6:58 | 10:09 | 9:23 | 14:00 | | | 14:00 | 10:09 | 24:09 | 15 |

SCORES

2012 Indoor National Aeromodeling Championships

FAC Peanut

| Name | AMA # | Aircraft | Const. Det. | Color & Markings | Work. | Scale Score | Bonus Points | 1st Flight | 2nd Flight | 3rd Flight | Flight Points | Total Points | Place |
|----------------|-------|----------|-------------|------------------|-------|-------------|--------------|------------|------------|------------|---------------|--------------|-------|
| Jim Miller | FALSE | | | | | | | | | | | | |
| Steve Fujikwa | 0 | | 27 | 18 | 12.0 | 57.0 | 0 | 120 | | | 82.50 | 139.50 | 3 |
| William O'Dell | 0 | | 30 | 20 | 12.5 | 62.5 | 0 | 46 | 53 | 46 | 53.00 | 115.50 | 5 |
| Paul Grabski | 0 | | 30 | 20 | 12.0 | 62.0 | 15 | 57 | 59 | 63 | 61.50 | 138.50 | 4 |
| Bob Warmann | 0 | | | | | | | | | | | | |
| Doyle Blevins | 0 | | 28 | 18 | 12.5 | 58.5 | 0 | | | | | 58.50 | 7 |
| Joseph Morris | 0 | | 15 | 10 | 8.0 | 33.0 | 10 | 18 | 25 | 25 | 25.00 | 68.00 | 6 |
| Ray Harlan | 0 | | 30 | 19 | 12.5 | 61.5 | 15 | 56 | 56 | 78 | 69.00 | 145.50 | 2 |
| Robert Stevens | 0 | | 30 | 18 | 12.5 | 60.5 | 35 | 51 | 53 | | 53.00 | 148.50 | 1 |

EZB

| Name | AMA # | Flight 1 | Flight 2 | Flight 3 | Flight 4 | Flight 5 | Best | Place |
|----------------|-------|----------|----------|----------|----------|----------|-------|-------|
| Jeff Annis | 0 | 15:43 | 18:07 | | | | 18:07 | 6 |
| Steve Fujikwa | 0 | 21:53 | 27:07 | 17:54 | | | 27:07 | 4 |
| Larry Coslick | 0 | 29:08 | | | | | 29:08 | 2 |
| Yuan Kang Lee | 0 | 29:00 | 28:56 | 29:24 | | | 29:24 | 1 |
| William O'Dell | 0 | | | | | | DNF | |
| Rolf Svensson | 0 | | | | | | DNF | |
| Joshua Merseal | 0 | | | | | | DNF | |
| Walt Collins | 0 | 0:00 | 18:23 | 18:47 | 22:54 | | 22:54 | 5 |
| Ray Harlan | 0 | 25:18 | 28:08 | | | | 28:08 | 3 |
| Jim Richmond | 0 | | | | | | DNF | |
| David Erbach | 0 | 10:16 | 11:19 | 3:15 | | | 11:19 | 7 |

F1D

| Name | AMA # | Flight 1 | Flight 2 | Flight 3 | Flight 4 | Flight 5 | Flight 6 | Best | 2nd Best | Total | Place |
|-----------------|-------|----------|----------|----------|----------|----------|----------|-------|----------|-------|-------|
| Ben Saks | 0 | 27:20 | 27:48 | 29:35 | 30:26 | | | 30:26 | 29:35 | 60:01 | 4 |
| Brett Sanborn | 0 | 34:22 | 34:55 | 35:17 | 36:31 | | | 36:31 | 35:17 | 71:48 | 1 |
| Jeff Annis | 0 | 14:16 | 15:02 | 14:51 | 14:48 | 14:04 | 13:11 | 15:02 | 14:51 | 29:53 | 9 |
| Jim Richmond | 0 | | | | | | | | | DNF | |
| John Kagan | 0 | 33:20 | 33:48 | 35:08 | 35:17 | | | 35:17 | 35:08 | 70:25 | 2 |
| JOSHUA FINN | 0 | 10:18 | | | | | | 10:18 | | 10:18 | 10 |
| Larry Calilliau | 0 | 33:10 | 33:57 | 35:15 | 34:16 | | | 35:15 | 34:16 | 69:31 | 3 |
| Leo Pilachowski | 0 | 20:52 | 16:08 | | | | | 20:52 | 16:08 | 37:00 | 7 |
| Mike Kirda | 0 | 18:09 | 18:21 | 18:23 | | | | 18:23 | 18:21 | 36:44 | 8 |
| Nick Ray | 0 | 19:24 | 25:28 | 24:14 | 25:13 | 1:24 | 5:29 | 25:28 | 25:13 | 50:41 | 6 |
| Rolf Svensson | 0 | | | | | | | | | DNF | |
| Tom Sova | 0 | | | | | | | | | DNF | |
| Dennis Tyson | 0 | 25:12 | 23:56 | 25:12 | 27:40 | 27:22 | | 27:40 | 27:22 | 55:02 | 5 |

Modern Civil Production

| Name | AMA # | Aircraft | 1st | 2nd | 3rd | Score | Place |
|------------------|-------|----------|-----|-----|-----|-------|-------|
| Robert Stevens | 0 | | 101 | 114 | 109 | 324 | 1 |
| William O'Dell | 0 | | 24 | 29 | 32 | 85 | 3 |
| Jim Miller | 0 | | 120 | 59 | 73 | 252 | 2 |
| Richard Davidson | 0 | | 39 | 42 | | 81 | 4 |

FAC Scale

| Name | AMA # | Aircraft | Const. Det. | Color & Markings | Work. | Scale Score | Bonus Points | 1st Flight | 2nd Flight | 3rd Flight | Flight Points | Total Points | Place |
|--------------|-------|----------|-------------|------------------|-------|-------------|--------------|------------|------------|------------|---------------|--------------|-------|
| John O'Dell | 0 | | | | | | | | | | | | |
| Bob Warmann | 0 | | | | | | | | | | | | |
| Jim Miller | 0 | | 30 | 20 | 12.5 | 62.5 | | 41 | 51 | 50 | 51.00 | 113.50 | 1 |
| Paul Grabski | 0 | | 30 | 20 | 12.0 | 62.0 | | 22 | 21 | 28 | 28.00 | 90.00 | 2 |

HLG

| Name | AMA # | Flight 1 | Flight 2 | Flight 3 | Flight 4 | Flight 5 | Flight 6 | Flight 7 | Flight 8 | Flight 9 | Best | 2nd Best | Total | Place |
|---------------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|----------|-------|-------|
| Bob Eberle | 0 | 28.8 | 22.7 | 7.4 | 4.5 | 5.2 | | | | | 28.8 | 22.7 | 51.5 | 5 |
| Kurt Krempetz | 0 | 42.9 | 65.3 | 62.4 | 45.9 | 62.8 | 24.5 | | | | 65.3 | 62.8 | 128.1 | 1 |
| John Yost | 0 | 55.9 | 14.7 | 61.0 | | | | | | | 61.0 | 55.9 | 116.9 | 2 |
| Dennis Tyson | 0 | 46.0 | 43.7 | 12.9 | 43.3 | | | | | | 46.0 | 43.7 | 89.7 | 3 |
| Ralph Ray | 0 | 25.4 | 28.6 | 44.2 | 44.5 | 29.7 | 8.6 | 39.8 | 41.8 | 41.7 | 44.5 | 44.2 | 88.7 | 4 |
| Ben Saks | 0 | 5.5 | 6.9 | 6.8 | 6.7 | 5.9 | 5.6 | 5.5 | 6.0 | 6.6 | 6.9 | 6.8 | 13.7 | 6 |

SCORES

2012 Indoor National Aeromodeling Championships

Dime Scale

| Name | AMA # | Aircraft | Bonus | 1st Flight | 2nd Flight | 3rd Flight | Score | Place |
|----------------|-------|----------|-------|------------|------------|------------|-------|-------|
| Jim Miller | 0 | | | | | | | |
| William O'Dell | 0 | | | 44 | 44 | 43 | 131 | 3 |
| John Diebolt | 0 | | 173 | 120 | 120 | 120 | 879 | 2 |
| Bob Warmann | 0 | | | | | | | |
| Chuck Markos | 0 | | | | | | | |
| Ray Harlan | 0 | | 183 | 120 | 120 | 120 | 909 | 1 |
| Steve Fujikwa | 0 | | | | | | | |
| Paul Grabski | 0 | | | 41 | | | 41 | 4 |

NoCal

| Name | AMA # | Aircraft | Flight 1 | Flight 2 | Flight 3 | Flight 4 | Flight 5 | Best | Place |
|----------------|-------|----------|----------|----------|----------|----------|----------|------|-------|
| John Diebolt | 0 | | 3:46 | 0:48 | 2:56 | 5:47 | | 5:47 | 1 |
| Bob Warmann | 0 | | | | | | | DNF | |
| Larry Loucka | 0 | | 5:17 | 5:44 | | | | 5:44 | 2 |
| Tony Pavel | 0 | | 2:53 | 2:47 | | | | 2:53 | 4 |
| William O'Dell | 0 | | 1:20 | 1:35 | 1:54 | 1:47 | 2:00 | 2:00 | 5 |
| Walt Collins | 0 | | 3:25 | 4:13 | 4:45 | 4:57 | 4:07 | 4:57 | 3 |

Int Stick

| Name | AMA # | Flight 1 | Flight 2 | Flight 3 | Flight 4 | Flight 5 | Best | Place |
|----------------|-------|----------|----------|----------|----------|----------|-------|-------|
| John Kagan | 0 | | | | | | DNF | |
| Ray Harlan | 0 | 18:36 | | | | | 18:36 | 6 |
| JOSHUA FINN | 0 | | | | | | DNF | |
| Jeff Annis | 0 | 12:55 | 9:55 | 10:04 | 12:20 | | 12:55 | 7 |
| Larry Coslick | 0 | 31:30 | 28:17 | 31:16 | | | 31:30 | 2 |
| Yuan Kang Lee | 0 | 26:56 | 7:57 | 26:04 | | | 26:56 | 4 |
| Joshua Merseal | 0 | 18:21 | 19:36 | | | | 19:36 | 5 |
| Tom Sova | 0 | 30:35 | 34:25 | | | | 34:25 | 1 |
| Larry Loucka | 0 | 27:24 | | | | | 27:24 | 3 |

HLS

| Name | AMA # | Flight 1 | Flight 2 | Flight 3 | Flight 4 | Flight 5 | Best | Place |
|----------------|-------|----------|----------|----------|----------|----------|-------|-------|
| Yuan Kang Lee | 0 | 26:51 | 26:38 | 25:46 | 29:05 | | 29:05 | 3 |
| Jeff Annis | 0 | 21:40 | 26:40 | 26:46 | | | 26:46 | 5 |
| Tom Sova | 0 | 25:38 | 28:22 | | | | 28:22 | 4 |
| Larry Coslick | 0 | | | | | | DNF | |
| Ray Harlan | 0 | 32:44 | 32:02 | | | | 32:44 | 1 |
| Larry Loucka | 0 | 26:11 | 29:32 | 23:18 | | | 29:32 | 2 |
| Ben Saks | 0 | | | | | | DNF | |
| Joshua Merseal | 0 | | | | | | DNF | |

Coconut

| Name | AMA # | Aircraft | Flight 1 | Flight 2 | Flight 3 | Best | Place |
|----------------|-------|----------|----------|----------|----------|------|-------|
| JOSHUA FINN | 0 | | | | | DNF | |
| Robert Stevens | 0 | | 1:18 | | | 1:18 | 1 |
| Tim Lavender | 0 | | | | | DNF | |

A-ROG

| Name | AMA # | Flight 1 | Flight 2 | Flight 3 | Flight 4 | Flight 5 | Best | Place |
|---------------|-------|----------|----------|----------|----------|----------|-------|-------|
| Larry Loucka | 0 | 0:00 | 0:00 | 18:21 | 17:36 | | 18:21 | 2 |
| John Diebolt | 0 | 7:50 | 9:47 | | | | 9:47 | 4 |
| Larry Coslick | 0 | 15:30 | 16:41 | 17:51 | 15:04 | 18:04 | 18:04 | 3 |
| Ray Harlan | 0 | 0:00 | 15:58 | 18:04 | 18:50 | | 18:50 | 1 |

Unl. Speed

| Name | AMA # | Flight 1 | Flight 2 | Flight 3 | Flight 4 | Flight 5 | Flight 6 | Flight 7 | Flight 8 | Flight 9 | Best | Place |
|---------------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|-------|
| John Diebolt | 0 | | | | | | | | | | DNF | |
| Walt Collins | 0 | 7.3 | 7.3 | 7.4 | 7.3 | 7.5 | 7.0 | | | | 7.0 | 1 |
| Doyle Blevins | 0 | 7.5 | 99.0 | 99.0 | 7.2 | 99.0 | | | | | 7.2 | 2 |

WWII ML

| Name | AMA # | Aircraft | Down | Place |
|----------------|-------|----------|------|-------|
| JOSHUA FINN | 0 | | 3 | 1 |
| Chuck Markos | 0 | | 1.0 | 3 |
| Robert Stevens | 0 | | 2.0 | 2 |

RTR

| Name | AMA # | Flight 1 | Flight 2 | Flight 3 | Flight 4 | Flight 5 | Flight 6 | Flight 7 | Flight 8 | Flight 9 | Best | Place |
|--------------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|-------|
| John Diebolt | 0 | | | | | | | | | | DNF | |
| Walt Collins | 0 | 7.10 | | | | | | | | | 7.10 | 2 |
| JOSHUA FINN | 0 | 5.86 | 5.88 | | | | | | | | 5.86 | 1 |
| Ray Harlan | 0 | | | | | | | | | | DNF | |

RTP

| Name | AMA # | Flight 1 | Flight 2 | Flight 3 | Flight 4 | Flight 5 | Best | Place |
|--------------|-------|----------|----------|----------|----------|----------|------|-------|
| John Diebolt | 0 | 4.20 | | | | | 4.20 | 1 |
| JOSHUA FINN | 0 | | | | | | DNF | |
| Walt Collins | 0 | 6.17 | 8.67 | 4.90 | 5.09 | | 4.90 | 2 |
| Ray Harlan | 0 | | | | | | DNF | |

SLS

| Name | AMA # | Flight 1 | Flight 2 | Flight 3 | Flight 4 | Flight 5 | Best | Place |
|--------------|-------|----------|----------|----------|----------|----------|------|-------|
| Walt Collins | 0 | | | | | | DNF | |
| John Diebolt | 0 | 2.61 | | | | | 2.61 | 1 |
| JOSHUA FINN | 0 | | | | | | DNF | |

P-24 Mass Launch

| Name | AMA # | Time | Place |
|---------------|-------|---------|-------|
| John Diebolt | 0 | | |
| Ray Harlan | 0 | 1440:00 | 1 |
| Brett Sanborn | 0 | | |
| John Kagan | 0 | | |
| Doyle Blevins | 0 | | |
| Fred Rash | 0 | | |

Towline Glider

| Name | AMA # | Flight 1 | Flight 2 | Flight 3 | Flight 4 | Flight 5 | Best | Place |
|--------------|-------|----------|----------|----------|----------|----------|------|-------|
| Ray Harlan | 0 | 3:07 | 3:03 | 3:27 | 3:22 | | 3:27 | 1 |
| Chuck Markos | 0 | 1:46 | 1:57 | 2:20 | 2:38 | | 2:38 | 3 |
| Fred Rash | 0 | | | | | | DNF | |
| John Diebolt | 0 | 2:55 | 2:56 | 3:15 | 3:07 | 3:01 | 3:15 | 2 |
| Walt Collins | 0 | 2:26 | 2:31 | | | | 2:31 | 4 |

Bostonian

| Name | AMA # | Flight 1 | Flight 2 | Flight 3 | Flight 4 | Flight 5 | Best | 2nd Best | Flt Total | Charisma | Total | Place |
|---------------|-------|----------|----------|----------|----------|----------|------|----------|-----------|----------|-------|-------|
| Paul Grabski | 0 | 3:21 | 1:02 | 3:00 | 3:25 | 3:17 | 3:25 | 3:21 | 6:46 | 205.00 | 7:10 | 3 |
| Larry Coslick | 0 | 4:31 | 5:04 | 1:15 | | | 5:04 | 4:31 | 9:35 | 304.00 | 33:20 | 1 |
| John Diebolt | 0 | 0:52 | | | | | 0:52 | | 0:52 | 52.00 | 45:04 | 5 |
| Bob Warmann | 0 | | | | | | | | | | DNF | |
| David Erbach | 0 | 1:25 | 1:29 | 2:04 | 1:10 | | 2:04 | 1:29 | 3:33 | 124.00 | 20:12 | 4 |
| Fred Rash | 0 | 3:49 | 3:33 | 3:49 | | | 3:49 | 3:49 | 7:38 | 229.00 | 8:02 | 2 |

Science Olympiad

| Name | AMA # | Flight 1 | Flight 2 | Flight 3 | Flight 4 | Flight 5 | Best | Place |
|--------------|-------|----------|----------|----------|----------|----------|------|-------|
| David Erbach | 0 | 1:00 | 2:00 | 2:00 | | | 2:00 | 1 |

SCORES

2012 Indoor National Aeromodeling Championships



Larry Loucka won WWI Mass Launch.



Std. Cat

| Name | AMA # | Flight 1 | Flight 2 | Flight 3 | Flight 4 | Flight 5 | Flight 6 | Flight 7 | Flight 8 | Flight 9 | Best | 2nd Best | Total | Place |
|----------------|-------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|----------|-------|-------|
| Tom Batte | 0 | 58.9 | 67.5 | 64.2 | 54.2 | 63.6 | 50.3 | 68.5 | 68.5 | 50.3 | 68.5 | 68.5 | 137.0 | 6 |
| Chuck Markos | 0 | 72.4 | 71.4 | 71.8 | 69.8 | 63.6 | 69.5 | | | | 72.4 | 71.8 | 144.2 | 3 |
| Chris Stoddart | 0 | 41.9 | 43.5 | 48.9 | 46.3 | 18.1 | 4.5 | 30.5 | 5.5 | 45.1 | 48.9 | 46.3 | 95.2 | 10 |
| John Kagan | 0 | 69.7 | 66.6 | 68.4 | 51.0 | 65.4 | 71.8 | 56.9 | 54.5 | | 71.8 | 69.7 | 141.5 | 4 |
| John O'Dell | 0 | 19.7 | 21.7 | 27.9 | 28.1 | 29.7 | 34.0 | 30.2 | 33.7 | 31.0 | 34.0 | 33.7 | 67.7 | 11 |
| Bob Warmann | 0 | | | | | | | | | | | | DNF | |
| Ben Saks | 0 | | | | | | | | | | | | DNF | |
| Tem Johnson | 0 | 61.0 | 55.8 | 66.0 | 65.7 | 67.0 | | | | | 67.0 | 66.0 | 133.0 | 7 |
| Ralph Ray | 0 | 69.9 | 68.3 | 66.9 | 39.2 | 68.4 | 62.6 | 63.2 | 62.8 | 64.3 | 69.9 | 68.4 | 138.3 | 5 |
| William O'Dell | 0 | 48.5 | 42.2 | 44.8 | 54.2 | 44.6 | 52.2 | 50.6 | 48.7 | 43.6 | 54.2 | 52.2 | 106.4 | 9 |
| Kurt Krempetz | 0 | 78.9 | 73.6 | 74.4 | 63.9 | 76.6 | 9.3 | 31.5 | | | 78.9 | 76.6 | 155.5 | 1 |
| John Yost | 0 | 60.0 | 76.3 | 77.7 | | | | | | | 77.7 | 76.3 | 154.0 | 2 |
| JOSHUA FINN | 0 | 56.3 | 56.7 | 62.9 | | | | | | | 62.9 | 56.7 | 119.7 | 8 |
| Unl. Cat | | | | | | | | | | | | | | |
| Name | AMA # | Flight 1 | Flight 2 | Flight 3 | Flight 4 | Flight 5 | Flight 6 | Flight 7 | Flight 8 | Flight 9 | Best | 2nd Best | Total | Place |
| Ben Saks | 0 | 2.7 | 3.2 | 2.1 | 2.9 | 1.4 | 5.7 | 3.0 | 4.6 | 3.0 | 5.7 | 4.6 | 10.3 | 6 |
| Tom Batte | 0 | 53.1 | 57.9 | 56.4 | 68.5 | 68.5 | | | | | 68.5 | 68.5 | 137.0 | 4 |
| John Yost | 0 | 75.6 | 74.9 | 9.0 | | | | | | | 75.6 | 74.9 | 150.5 | 3 |
| Kurt Krempetz | 0 | 83.3 | 88.3 | 89.8 | 86.2 | 89.6 | 32.9 | | | | 89.8 | 89.6 | 179.4 | 1 |
| Bob Warmann | 0 | | | | | | | | | | | | DNF | |
| Tem Johnson | 0 | 57.9 | 65.6 | 62.1 | | | | | | | 65.6 | 62.1 | 127.7 | 5 |
| Ralph Ray | 0 | 85.0 | 71.0 | 79.0 | 60.1 | 90.0 | 85.0 | 86.0 | 87.0 | 60.0 | 90.0 | 87.0 | 177.0 | 2 |



Tom Sova is king of Ministick.