



July 31

Soaring
Free Flight



NatsNews

Free Flight

The Nation's Best Free Flighters Get Beaten by the International Aeromodelling Center

In one headline, that was the story on Day Three of the 2014 AMA FF Nats. The stats on Wednesday's flying don't lie. Of the 194 event entries in official and NFFS events, only 41 entrants—a scant 21%—maxed out. This includes—almost unbelievably—the entire fields of 49 in Catapult Glider, 23 in F1B Wakefield, and 15 in Small Nostalgia Rubber. Not one of these entrants maxed out ... probably the first time this has ever happened in a modern-era Nats.

What made the air so unfriendly to our models? I'm not a meteorologist, but I hypothesize that it was a combination of factors included morning cloudiness and a starting line too close to the trees on the middle/west side of the field, resulting in a deleterious rotor effect in the 5-10 mph breezes. As a result, climbs suffered for many usually top-performing models. Other models climbed well but lift petered out suddenly and mysteriously—at least in the first half of the day. By afternoon, puffy white clouds appeared and winds stayed below 8 mph. At this point, air-picking was a bit easier, but not at all *easy*.

Evan Simon came the closest to a maxout in F1B, dropping only 9 seconds total to win the coveted 1904 Aero Cup. Evan is a former US Junior Team member and World Champs silver medalist.

Small Nostalgia Rubber is a new event that has exploded in popularity in the last two years. Incredibly, despite their high climbs and decent glides, not one of the 15 fliers maxed out this year. Ed Hardin came the closest with 521 seconds for the win, followed closely by high schooler Robert Marier at 510.

In Catapult Glider, the launch pen was abuzz with activity as usual, but maxes were few and far between. Topping the field of Open fliers was the inimitable Rocco Ferrario, only 28 seconds short of a maxout. Congratulations, Rocco! He is truly one of Free Flight's greatest personalities. Larson Ringlien won Junior with a score (169 seconds) that was significantly better than Senior winner Robert Marier (132). A total of 14 Juniors and Seniors flew Catapult.

The Gas fliers had little trouble maxing

out in the same air Wednesday, suggesting that these higher-climbing birds got well above the junk air.

Dan Berry won a hard-fought AMA C Gas event, topping the field of eight. Not far behind Dan was Texan Gerald Brown. In third place was the venerable Charlie Caton, making his first Nats appearance since the early 2000s.



Jerry Murphy launches his Dime Scale Fokker D.VII.



Rick Pangell with his nicely constructed Dime Scale Gadfly.

Eight of 21 fliers maxed out in A Nostalgia Gas, with Larry Davidson edging out fellow Virginian Bob Sowder by a max plus. Keith Fulmer was third.

AB Classic Gas was a Pearl sweep for the top four places—Dick Covalt, Ronnie Thompson, Jim Bocckinfuso, and Gene Smith respectively.

FAC events had a very good overall turnout with wins going to Pat Murray

Correction: Tim Batuik, not his brother George, is a NFFS vice president and the man who was pictured in the sidebar about the Connections Academy building and flying session. Tim, along with Rocco Ferrario, instructed the students who made and flew FF gliders Monday at the International Aeromodelling Center.

(Low-Wing Trainer), Ted Allebone (Old-Timer Stick), David Mills (Jimmie Allen), and this writer (Dime Scale).

Tomorrow, the Free Flight action continues with top tier events FIG Coupe, AMA HLG, A Gas, and 1/2 A Nostalgia. A sizable turnout is also expected in A Electric. Tune in to *NatsNews* for two more days of Free Flight fun.

—Don DeLoach



Father/son duo of David (L) and Kyle Gerspacher exude Nats spirit.



Free Flight

Hayden Ashworth is the picture of concentration in Junior Catapult. He finished third with 105 seconds.



All of the Junior Catapult fliers pose after a tough day of flying. This day was made of memories.

Free Flight



Larry Davidson, the A Nostalgia winner.



Rocco Ferrario (L) won Catapult over second-place finisher Tim Batiuk (R).



The F1B winners.



C Gas winners. Dan Berry (in the orange shirt) placed first.



Bob Sowder.

Free Flight



Ralph Ray is holding his Apach-E E-36 design. Ralph was inducted into the Free Flight Hall of Fame Wednesday evening at the NFFS banquet.



Phil Sullivan received this signed rocking chair as a parting gift for his two decades of service as the FF Nats Category Manager.



Below: Patty Lorbiecki received NFFS's Connie Perry award for exemplary service and spirit. Past recipients of this award include Rocco Ferrario and Frannie Masterman.



Ronnie Thompson with his AMA C Gas Sunbird.



2014 NFFS Symposium editor Ross Jahnke (R) and NFFS President John Lorbiecki reminisce over four decades of FF friendship, dating back to their days as teenagers in Wisconsin.



Soaring



Perfect conditions greeted contestants for the start of the Unlimited class Wednesday morning. For the first round, 82 pilots readied their models under sunny skies and light breezes. A maximum wind speed of 8 mph was forecast, and only for a brief period in the afternoon was this exceeded.

Not that light winds necessarily make for an easy contest, as temperatures rose and the thermals strengthened, there was strong enough sink behind the good air to create calamity for several flight groups. After a comprehensive pilots' meeting, flying got underway with 10 minutes being the task for the day. The first few groups flew conservatively and nearly all made their time in small soft thermals, before the lift strengthened and being in precisely the right part of the sky was less critical.

The Models

In general, Unlimited class sailplanes represent the pinnacle of sailplane technology. Almost without exception they are finely engineered and meticulously constructed using the latest composite technology. And being designed to perform a specific task, they all tend to look similar in the same manner that passenger airliners are all of the same general appearance.

Four flight controls are used: ailerons, flaps, elevator, and rudder. The flaps and ailerons combine to provide a moveable wing trailing edge. This camber control is

used by the pilot to optimize performance in different conditions or phases of flight. The largest amount of deflection is used during launch, smaller amounts during cruise and thermaling flight, and reflex is used to achieve higher speeds. All these settings are selected by the pilot from the transmitter.

The Task

At the Nats, the target flight duration is left to the discretion of the contest director and is usually 10 minutes. The models are launched by electric winch and timing commences when the model releases from the winch line. After this the pilot and his caller attempt to find enough lift to support the model for the required time.

The landing phase concludes the flight, there being a graduated spot-landing tape which can earn up to a 100-point bonus. The tape is marked with one point per inch, there being no landing score if the nose of the model finishes more than 100 inches from the center of the spot. A flight time of 10:00 earns the maximum score of 1,000 points, and the landing score is then added to this as a bonus.

A 1,000-point flight score can also be earned with less than the full time if no other pilot in the group flies longer—in this case the greatest time earns the 1,000 points then the other flight times are normalized to it. A few times in the afternoon on Wednesday the top score of the group was earned with a less-than-6-minute flight, then only a minute or two

later a group would launch into easy air and all pilots made 10 minutes with ease. Such is the unpredictability, challenge, and excitement of thermal soaring.

The top pilots usually seem to find a way to find the best piece of air for their flight, and so as the day progressed the top of the leaderboard contained some familiar names. Blayne Chastain and Peter Goldsmith each put together six solid flights and landings to be separated by only one point at the end of the day.

Through 10th place, the point spread is a little over 200 points, which can be easily made up or lost in a couple of minutes of flight time, or a missed landing or two. Add the craziness of Muncie afternoon thermals and its attendant sink, and the shape of the leaderboard can change at a moment's notice.

Thursday will see the start of F3J. Generally speaking, this is the international (FAI) version of US Thermal Duration flying. Per the rules, F3J requires hand-tow launches but most US contests, including the Nats, allow the use of winches. This increases the convenience and greatly reduces the required manpower.

Beginning on Friday is the Altitude Limited Electric Soaring (ALES) class, not dissimilar to Unlimited or F3J except that each model is electric powered rather than requiring a winch launch. An altitude-limiting device is carried aboard each model to ensure uniform starting altitude. For the Nats this will be set to 200 meters.

Soaring

Models in one of several staging areas.



Team Horizon pilots Caroline Goldsmith and Gavin Trussell.

Kent Nagy headed to the flightline with his Aspire.



One of the 12 electric winches supplied by the LSF for the Soaring events.



Karl Miller watches other models in flight while waiting to launch his Aspire.

Soaring



A Stork 6 and its owner returning from a flight.

Marc Gellart measuring a 95-point landing for his pilot.

Larry Jolly: A Soaring Icon

For more than four decades Larry has been an outstanding ambassador to US Soaring and has represented the USA on multiple FAI teams. He is a frequent visitor to the Soaring Nats. Having a busy international schedule, he usually attends every other year.

Having just returned from Turkish Team manager duties at the F3J World Championships, he drove from his home in southern California to Muncie to compete in the RES, Unlimited, and ALES classes. This is not Larry's first road trip to the Nats. In 2007, he and Craig Greening made the same Cannonball Run of Soaring. That 32-hour drive was fueled by coffee and Krispy Kreme donuts, included a lengthy discussion about Macedonian Doneks, and Larry's faithful Honda Odyssey suffered the loss of its passenger side mirror in a multi-car accident a stone's throw from the Gateway Arch.

It turned out to be the perfect preparation for flying in a National Championship, as between them Larry and Craig took home wins in the RES, 2-Meter, and Unlimited classes, as well as several other awards. Triumphant, they returned home by airliner.



Larry Jolly.



Soaring

Three different tail treatments (Perfection, Supra, Aspire).



Tom Broeski retrieving his Royale after a flight.



Gavin Trussell and Norm Poti evaluating lift before a flight.



A group is hooked to the winches ready to launch.



John Berlin launching Gordy Stahl's Supra.



John Diniz hails from Monticello IL and his Aspire honors his Cabo Verde heritage.



The Nats is proudly sponsored by





Total # Drop Rounds = 0

Pilot Count = 82

RESULTS

Ref ID	Place	Contestant	Round 1	Round 2	Round 3	Round 4	Round 5	Round 6	Round 7	Round 8	Round 9	Round 10	Round 11	Round 12	Total	LSF Contest Points
			ssN	1	BLAYNE CHASTAIN	1,050	1,080	1,087	1,093	1,093	1,080					
ssAC	2	PETER GOLDSMITH	1,092	1,083	1,065	1,073	1,083	1,086							6,482	8,099
ssAV	3	ARTHUR MARKIEWICZ	1,046	1,091	1,087	1,096	1,072	1,085							6,477	7,993
ssAL	4	NEAL HUFFMAN	1,096	1,067	1,076	1,073	1,032	1,095							6,439	7,846
ssF	5	DAVID BEACH	1,046	1,094	1,091	1,043	1,090	1,036							6,400	7,700
ssAS	6	MICHAEL LACHOWSKI	1,043	1,083	1,068	1,065	1,055	1,067							6,381	7,579
ssAZ	7	JAMES MONACO	969	1,071	1,090	1,076	1,082	1,072							6,360	7,456
ssAF	8	THOMAS KALLEVANG	1,050	1,072	1,043	1,003	1,048	1,095							6,311	7,301
ssAX	9	JAMES MCCARTHY	955	1,066	1,052	1,082	1,058	1,068							6,281	7,169
ssM	10	JEFFREY CARR	1,076	1,044	1,081	1,055	922	1,071							6,249	7,037
ssU	11	RANDALL EVERLY	888	1,074	1,044	1,086	1,000	1,082							6,174	6,857
ssCC	12	MICHAEL TRUTWIN	827	1,084	1,044	1,065	1,076	1,075							6,171	6,758
ssBA	13	RONALD MONG	1,043	1,062	1,038	995	1,000	1,006							6,144	6,634
ssBC	14	ROBERT ROBINSON	1,069	1,031	1,081	944	997	997							6,139	6,534
ssBI	15	DOUG PIKE	1,061	1,076	1,036	1,082	715	1,075							6,047	6,343
ssBK	16	ADAM QUENNOZ	1,080	858	838	1,075	1,073	1,069							6,013	6,214
ssCF	17	GAVIN TRUSSELL	1,070	1,036	1,088	623	1,083	1,092							5,992	6,100
ssK	18	RICHARD BURNOSKI	1,083	1,091	1,085	1,083	526	1,061							5,929	5,945
ssBX	19	GORDON STAHL	1,024	1,060	1,076	1,012	664	1,076							5,912	5,836
ssBF	20	L KENT NOGY	1,067	1,090	1,081	522	1,042	1,085							5,887	5,721
ssBF	21	PETER SCHLITZKUS	1,063	1,036	1,069	1,019	1,018	669							5,874	5,618
ssX	22	KEVIN GILLETTE	1,010	1,056	980	1,066	662	1,050							5,824	5,480
ssT	23	JOHN DINIZ	1,095	936	1,079	1,084	548	1,066							5,808	5,375
ssAN	24	RICK JOHNSTON	1,065	999	781	1,068	1,067	818							5,798	5,277
ssBT	25	JERRY SHAPE	661	1,011	1,076	1,038	998	997							5,781	5,172
ssL	26	ROBERT BURSON	714	1,026	1,045	1,043	1,038	910							5,776	5,078
ssQ	27	KERRY COCHRELL	664	1,058	1,087	1,060	908	998							5,775	4,988
ssH	28	JOHNNY BERLIN	736	1,019	1,030	1,035	872	1,080							5,772	4,897
ssCE	29	ALEX TRUSSELL	1,088	709	1,085	1,059	1,024	738							5,703	4,750
ssBV	30	SCOTT SHAW	1,032	1,076	1,034	1,087	431	985							5,645	4,615
ssBV	31	DAVID SMITH	757	990	985	1,086	1,075	741							5,634	4,519
AC	32	CAROLINE GOLDSMITH	964	995	1,079	1,042	487	1,049							5,616	4,418
CI	33	WAYNE WIMBISH	517	995	1,052	978	1,044	1,020							5,606	4,324
I	34	RICHARD BOTHELL	769	647	1,061	1,000	1,027	998							5,502	4,159

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AF	35	RONALD KUKRAL	1,000	1,077	995	378	963	1,059							5,472	4,051
AT	36	JOHN LINDSAY	629	997	1,007	1,000	826	1,000							5,462	3,960
AV	37	SKYE MALCOLM	780	990	1,046	1,036	563	1,043							5,458	3,873
BH	38	DONALD RICHMOND	893	1,059	1,083	480	874	1,010							5,399	3,748
ssAC	39	LARRY JOLLY	1,082	1,065	1,081	0	1,025	1,088							5,341	3,625
ssBE	40	RAY MUNRO	783	1,012	1,067	376	1,025	1,077							5,340	3,542
ssD	41	KENNETH BATES	1,078	1,062	1,061	463	1,070	534							5,268	3,413
ssBN	42	JERRY ROBERTSON	1,088	1,029	1,075	1,054	998	0							5,244	3,316
ssAF	43	JERRY GRIFFITH	737	744	998	1,076	942	718							5,215	3,218
ssZ	44	KARL MILLER	1,075	1,085	1,083	487	672	758							5,160	3,104
ssBC	45	GUY RUSSO	1,085	887	1,096	995	0	1,035							5,098	2,988
ssP	46	DON CLEVELAND	793	1,066	541	790	998	863							5,051	2,883
ssCJ	47	JOHN WINSTANLEY	938	720	489	1,000	800	1,087							5,034	2,795
ssAN	48	JOHN IAFRET	775	542	997	828	848	1,042							5,032	2,717
ssAC	49	JERRY GROSS	632	978	1,031	962	376	998							4,977	2,610
ssC	50	STEVE BAILEY	1,010	854	775	1,061	736	538							4,974	2,532
ssF	51	KENNETH SHAW	1,000	574	978	977	414	1,029							4,972	2,454
ssE	52	PETER GEORGE	1,000	897	998	442	1,084	536							4,957	2,370
ssE	53	THOMAS SCULLY	547	616	562	1,079	1,072	1,037							4,913	2,273
ssE	54	ROBERT TERRY	775	168	917	995	995	1,057							4,907	2,195
ssE	55	JAMES THOMAS	1,080	1,057	1,075	624	0	1,070							4,906	2,119
ssE	56	ARTHUR HILL	990	1,046	1,060	0	1,024	663							4,783	1,992
ssE	57	CRAIG GREENING	0	1,068	718	1,079	1,060	802							4,727	1,896
ssE	58	ROBERT GELLART	1,088	1,063	990	481	1,089	0							4,709	1,816
ssE	59	CHARLES THOMAS	614	548	995	475	1,061	1,000							4,693	1,737
ssE	60	DAVID WRINKLE	741	0	1,047	1,028	1,055	815							4,686	1,662
ssE	61	BERNARD STROTHER	565	1,075	1,053	1,059	395	522							4,669	1,584
ssE	62	WILLIAM CHRISTIAN	1,000	977	988	322	1,057	315							4,659	1,509
ssAJ	63	MARK GROVES	631	543	980	369	993	975							4,491	1,385
ssJ	64	THOMAS BROESKI	1,084	229	1,043	0	1,077	1,017							4,450	1,304
ssA	65	WALTER ADASCZIK	998	643	1,047	0	693	1,016							4,397	1,221
ssBI	66	CHARLES PINNELL	859	800	563	850	616	677							4,365	1,145
ssG	67	ANKER BERG SONNE	589	995	1,048	262	410	992							4,296	1,060
ssAI	68	ALEXANDER HALL	0	1,075	1,042	993	603	561							4,274	989
ssBP	69	ROBERT RONDEAU	995	813	541	442	681	792							4,264	921
ssBE	70	NEVILLE NEWMAN	0	793	620	803	960	1,066							4,242	851
ssBJ	71	NORM POTI	698	1,039	1,057	430	836	0							4,060	752
ssBL	72	DAVID REISINGER	594	361	993	725	376	677							3,746	636
ssAC	73	POH KHAW	487	0	980	430	1,000	817							3,714	573
ssBZ	74	MICHAEL STUMP	590	1,087	352	207	341	1,062							3,639	505
ssBC	75	NOAH MYERS	650	474	997	0	460	1,023							3,630	448
ssBC	76	WILLIAM CUNNINGHAM	548	486	790	258	545	985							3,612	390
ssBC	77	DAVID CORVEN	455	778	1,035	0	285	1,000							3,553	329
ssBC	78	PAUL PERRET	1,020	683	0	368	397	1,070							3,538	273
ssBC	79	SCOTT MYERS	650	847	209	645	137	989							3,477	215

Scores

ANosGas

58

1	Davidson	Larry	118	Moneta	VA	960
2	Sowder	Bob	22179	Troutville	VA	814
3	Fulmer	Keith	31552	Mishawaka	IN	714
4	Bane	Ruth	63176	Lyndonville	NY	658
5	Smith	Roy E.	7759	Kingston	ON	565
6	Marsh	Jack	99723	South Bend	IN	542
7	Smith	Gene	9584	Stillwater	OK	453
8	Vanderbeek	Bill	853	Altos Hills	CA	418
9	Sperzel	Hank	80586	Bellevue	NE	350
10	Erridge	Roger	20953	Saranac	MI	350
11	Dock	Denny	514011	Stevensville	MI	347
12	Lapraik	Scott	881197	Portland	TN	323
13	Wicks	Gene	5898	Normal	IL	312
14	Oliver	John	557832	Pierceton	IN	309
15	Hack, Sr	James	928982	Dowagiac	MI	277
16	Darling	Clark	125532	Carmel	NY	272
17	Bays	Kit	3150	Winterville	NC	268
18	Hanford	Robert M	7272	Broken Arrow	OK	120
19	Harper	Charles	38220	Blanchester	OH	120
20	Geyer	Robert	440	Wallingford	CT	120
21	Blake	Simon	20644	Toronto	ON	108

E-36

81

1	Lapraik	Scott	881197	Portland	TN	570
2	Ray	Ralph	5007	Boulevard	CA	558
3	Hooke	David	36873	Lake Forest	IL	553
4	Tomasch	Andrew D.	61444	Northville	MI	549
5	Ivers	Richard	683557	West Newton	MA	527
6	Hooke	Drake	2426	Newfoundland	PA	518
7	Powell	Chuck	465518	Benton	KS	476
8	Murphy	Jack	941945	SLC	UT	463
9	Avla	Yuda	939389		IN	427
10	Lacey	David	25895	Alexandria	VA	423
11	Sechrist	David	574560	Bristol	IN	398
12	Baughman	Gary	4147	Marietta	GA	354
13	Hines	Lee	7334	Costa Mesa	CA	354
14	Murphy	Jerald	917	Maniton Springs	CO	341
15	Crawford	Dohrman	1965	Dunwoody	GA	330
16	Gewain	Matt	2433		CA	315
17	Richardson	Martin	18650	Grosse Ile	MI	299
18	Elder	Dale	L76967	Orlando	FL	266
19	Coffin	Jim	L163	Annandale	VA	240
20	DeLoach	Don	175015	Colorado Springs	CO	240
21	Grogan	Harry	L3646	Weaverville	NC	240
22	Parker	Julle	347486	Huston	TX	206
23	Jones	David	34983	Pittsburgh	PA	128
24	Powell	Linda	977828	Benton	KS	110
25	Masterman	Paul	182816	Porter	IN	109
26	Covalt	Richard	32551	Anderson	IN	101
27	Selick	H. Graham	12064	Athens	GA	75
28	Malin	Brian	19094	Tampa	FL	10

Scores

ABClassic

45

1	Covalt	Richard	32551	Anderson	IN	1030
2	Thompson	Ronnie	327893	Athens	AL	1013
3	Bocckinfuso	Jim	10745	Hardy	VA	740
4	Smith	Gene	9584	Stillwater	OK	700
5	Sperzel	Hank	80586	Bellevue	NE	475
6	Harper	Charles	38220	Blanchester	OH	440
7	Lapraik	Scott	881197	Portland	TN	360
8	Dock	Denny	514011	Stevensville	MI	341
9	Berry	Daniel	79311	Benton	AR	338
10	Hanford	Robert M	7272	Broken Arrow	OK	334
11	Avallone **	Eddie	578959	Grand Rapids	MI	290
12	Bertrand	Dick	1051701	West olive	MI	189
13	Bell	Tom	499747	Houston	TX	63

ABCCabin

60

1	Romak	Bud	27032	Lincoln	CA	480
2	Edelstein	Robert	14489	Grande Ledge	MI	325
3	Servaites	Bucky	13114	Centerville	OH	314
4	Blake	Simon	20644	Toronto	ON	308
5	Kacmarsky	Richard	816873	Lansing	MI	259
6	Oliver	John	557832	Pierceton	IN	190
7	Marcosky	John	644214	Farmington Hills	MI	157
8	Bartelt	Woody	11222	Galesburg	MI	61

SmallNOS-Rubber

69

1	Hardin	Edward	312473	Kingston	TN	521
2	Marier**	Robert	842547	Roswell	GA	510
3	Mills	David	7717	Atlanta	GA	473
4	DeLoach	Don	175015	Colorado Springs	CO	472
5	Sneed	Ed	556614	Columbus	OH	460
6	Konefes	Ed	53758	Wauconda	IL	434
7	Williams	Joe	247709	Brookville	PA	416
8	O'Reilly	Jim	9729	Wichita	KS	399
9	Sechrist	David	574560	Bristol	IN	369
10	Brown	Gerald	79269	Henderson	TX	363
11	Gerszewski	James L.	367788	New Berlin	WI	353
12	Bennett	Robert	19642	Hampton	VA	313
13	Scnobrich	JOHN	604608	Lake Bluff	IL	295
14	Carson	William	90167	Gainsville	TX	281
15	Masterman	Paul	182816	Porter	IN	32

Cargo

21

1

Stalick

Bob

26731

Albany

OR

1387

Scores

HHCATS

23

1	Marier**	Robert	842547	Roswell	GA	132
2	Vucovich**	Nathan	844282	Lititz	PA	86
3	Wilson**	Claiborne	1014271	Atlanta	GA	70
4	Vucovich**	Daniel	844281	Lititz	PA	56

HHCATO

24

1	Ferrario	Rocco	341628	Napa	CA	332
2	Batiuk	Tim	L135	San Juan Capistr	CA	314
3	Buddenbohm	Stan	189385	Westminister	CA	313
4	Krempetz	Kurt	69866	Bartlett	IL	293
5	Lewis	Jim	119	Macon	GA	278
6	Ray	Ralph	5007	Boulevard	CA	268
7	Bays	Kit	3150	Winterville	NC	259
8	Hines	Lee	7334	Costa Mesa	CA	255
9	Langelius	Jan	32138	Haslet	TX	243
10	Schlarb	Bill	14425	South Bend	IN	229
11	Vollmer	Allan	7771	West Haven	CT	219
12	Bevan	David	45861		IN	201
13	Carey	Debra	998277	Wilmington	OH	191
14	Bandy	Andy	896887	Lower Lake	CA	188
15	Covington	Mark	780868	Colo springs	CO	186
16	Gerspacher	David	762428	Centerville	OH	180
17	Wicks	Paul	103376	Normal	IL	175
18	Mollendorf	Joseph	25875	Amherst	NY	160
19	Perkins	Frank	16827	Tuscaloosa	AL	159
20	Hale	David	35667	Wilmington	OH	155
21	McGinnes	Dean	17788	Lakeland	FL	155
22	Markos	Charles	5869	Deerfield	IL	142
23	Yost	John	906929	Decatur	TN	130
24	Powell	Linda	977828	Benton	KS	100
25	Annis	Jeffrey	89039	Waukesha	WI	100
26	Masterman	Frances	885874	Porter	IN	99
27	Hooke	David	36873	Lake Forest	IL	98
28	Powell	Chuck	465518	Benton	KS	97
29	Jones	David	34983	Pittsburgh	PA	91
30	Pivitt	Richard	86371	Taylor	MI	90
31	Whilford	Lyle	59728	Barker	NY	85
32	Hack, Sr	James	928982	Dowagiac	MI	76
33	Jones	Jennifer	1019034	Frederic	MD	76
34	Hack, Jr	James R.	1021144	Stevensville	MI	54
35	Pangell	Rick	16165		CO	34

Larry Jolly launching his Aspire.

