

RC 60<sup>th</sup> Expo

THE

TOLEDO



SHOW

*Weak Signals RC Club RC Expo 2014*



**SEAGATE CENTRE**

401 JEFFERSON AVENUE • TOLEDO, OHIO

Friday, April 4  
9am-5pm

Saturday, April 5  
9am-5pm

Sunday, April 6  
9am-3pm



## **FLY WITH THE WALLEYE**

Fri. April 4 ★ 7:15pm

Walleye Hockey at Huntington Center.  
See the Spike Blimp flown by Weak Signals  
Officers Ron Muir and Tim Jesky.

## **WATCH ONE SAIL OUT OF THE BALLPARK**

Sat. April 5 ★ 6pm | Sun. April 6 ★ 2pm

Toledo Mud Hens Baseball at Fifth Third Field.



Call for Tickets ★ Use Promo Code: **WEAKSIGNALS**

★ 419-725-HENS ★ 419-725-WALL ★

Welcome to the 60th Annual Toledo Radio Control Exposition. We hope you enjoy the Exposition as much as we enjoy the privilege of hosting it. If you have any questions or if we can help in any way, please contact any of the Weak Signals Club members for assistance.

### **EXPOSITION COMMITTEE CHAIRMEN**

Finance .....	Paul Trestan
Security .....	Dale Rupert
Awards .....	Mel Holman
Scholarship Raffle .....	Bill Sommers
Model Judging .....	Mike Bayes
Model Displays .....	Bob Kane
Communications .....	Tim Jesky
Parking .....	Randy Peebles
Swap Shop .....	Dave Howard
Symposiums .....	Brian Harris
Exposition Directors .....	Rick Lederman & Wayne Yeager
Auctioneer .....	Paul Filmore

There will be an auction on Saturday, April 5th at 7:30p.m. in the Park Inn second floor ballroom.

The Swap Shop will be open from 9 to 5 on Friday and Saturday; on Sunday from 8 to 2. The Weak Signals will not be responsible for the items damaged, lost or stolen.

### **THIS IS YOUR SHOW ..... ENJOY YOURSELF! Weak Signals R/C Club**

A complete radio control system, radio control items will be raffled off, drawing held Sunday at 2:00 PM, need not be present to win. All proceeds from the raffle will be donated to the A.M.A. Scholarship Fund.

## COMPETITION AWARDS

Cash awards and a plaque will be paid to first, second and third place winners in the following categories. Cash awards and plaques are sponsored by the manufacturers below:

Sport Sailplane .....	Airtronics
Sport Plane .....	Balsa USA
Military Sport Scale Plane* .....	Du-Bro Products Inc.
Best Finish Film & Acrobatic Plane .....	Great Planes Model Dist.
Designer Scale Plane* .....	Sig Manufacturing Company
Non-Military Sport Scale Plane* .....	Maxx Products
Competition Boat .....	Octura Models
Working Vessel Unarmed .....	Taubman Plans Service
Military Scale Boat .....	Loyalhanna Dockyard
Pleasure Boat .....	RAM Radio Controlled Models Inc.
Best Finish Paint .....	Grex Airbrush
Old Timer R/C Assist Plane .....	Society of Antique Modelers
Jet Plane .....	Toledo Weak Signals
Land Vehicle .....	Hobby Stop West
Helicopter .....	IRCHA International R/C Helicopter Assn.
Vintage R/C Plane .....	Flying Models Magazine
Best in Show .....	Fly R/C Magazine

*\*Judging by AMA Rules*

## COMPETITOR NOTES

1. All Models must have radios installed and all controls must be functional, and all models except R/C sailplanes must have engines installed.
2. Sailplanes with engines must be entered in "sport plane."
3. Entries are limited to one model per person, per class.  
(Also one per show team.)
4. Former first place Toledo winning models are not eligible.
5. Models will not be allowed to be removed until show closing on Sunday afternoon.
6. Deadline for entering competition models is 12:00 noon, Saturday, April 5th.

All models entered into competition will be judged for Best Finish Paint, Best Finish Film, The Directors Award For Achievement and the Best of Show.



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# Show Specials

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Visit us at booth #79 to 83



# 2014 WEAK SIGNALS EXPO SYMPOSIUM SCHEDULE

## FRIDAY, APRIL 4, 2014

<b>Time</b>	<b>Room</b>	<b>Demonstrator</b>	<b>Topic</b>
10:00	104	Mike Barbee and John Boyko	Building Scale using Fiberglass & Carbon
11:00	306	Jeff Holsinger	Horizon Hobby Innovations - Revolutionizing Radio Control
11:00	102	Various IMAC Officials	An Introduction to IMAC Scale Aerobatics
11:00	314	Dave Darr	Beginning Aerotowing
11:30	104	Mike Barbee	Scale Contest Flying
12:00	302	Charles Anderson IRCHA	Electric Heli's what you need to know
1:00	314	RCFlightDeck.com	Automate & Simplify RC event hosting Free shirt for the first 50 CD s/club officers
1:00	306	RCGroups	RCGroups Fundamentals of FPV
2:00	302	Mark Atwood	Aerobatic Setup
2:00	102	Dave Houk of Bob's Aircraft	Documentation for Scale Judging
2:00	104	Mike Mayberry Hitec	Right Servo For the Right Job
3:00	306	Mark Radloff	AMA District III Meeting
5:00 - 8:00	307-309	The COLLECTO	

## SATURDAY, APRIL 5, 2014

<b>Time</b>	<b>Room</b>	<b>Demonstrator</b>	<b>Topic</b>
10:00	104	Mike Barbee and John Boyko	Building Scale using Fiberglass & Carbon
11:00	306	Peter Bergstrom	Electronic Fuel Injection - The Future of Engine Management
11:00	102	Various IMAC Officials	An Introduction to IMAC Scale Aerobatics
11:00	314	Dave Darr	Advanced Aerotowing
11:30	104	Mike Barbee	Scale Contest Flying
12:00	302	Charles Anderson IRCHA	Electric Heli's what you need to know
1:00	314	RCFlightDeck.com	Automate & Simplify RC event hosting Free shirt for the first 50 CD s/club officers
2:00	302	Mark Atwood	Aerobatic Setup
2:00	102	Dave Houk of Bob's Aircraft	Documentation for Scale Judging
2:00	104	Mike Mayberry Hitec	Right Servo For the Right Job

Check Exhibitor's Layout for room locations



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## SPECIFICATIONS

### Spec-High speed(100mph)

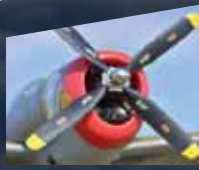
Wingspan: 980mm/38.6in  
Overall Length: 865mm/34in  
Flying Weight: Around 1,200g  
Motor Size: Brushless 3536-KV750  
ESC: 70A with 5A SBEC  
Servo: 9g digital metal gear Servo x 6

### Spec-Standard Speed

Wingspan: 980mm/38.6in  
Overall Length: 865mm/34in  
Flying Weight: Around 1,000g  
Motor Size: Brushless 3536-KV750  
ESC: 35A with 5A SBEC  
Servo: 9g digital metal gear Servo x 4

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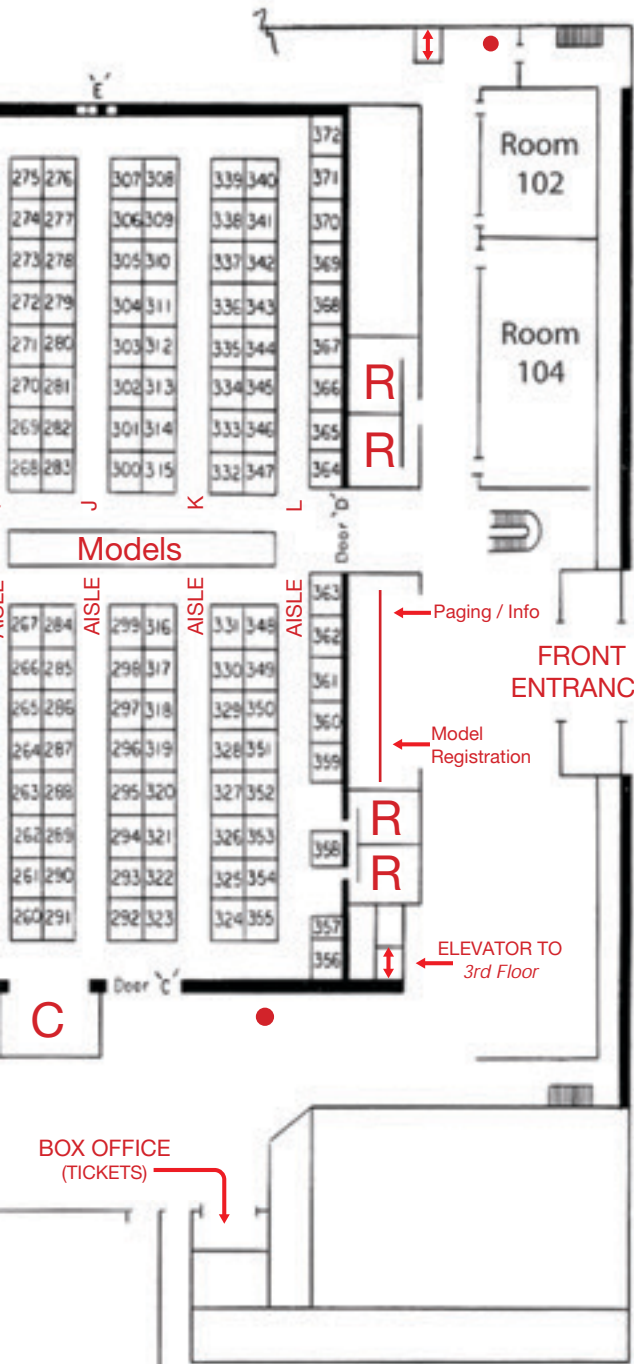
# EXHIBITOR'S LAY



**SUMMIT**

# OUT 2014 SHOW

## Level 3



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LOURDES UNIVERSITY CHORUS  
MAUMILL VALLEY COUNTY DAY SCHOOL  
NORTHWOOD HIGH SCHOOL  
ONE HARBOUR HIGH SCHOOL  
OSHSO HIGH SCHOOL  
OTSAWA HILLS HIGH SCHOOL  
PERRYVILLE HIGH SCHOOL  
ST. ELISAVA ACADEMY  
ST. FRANCIS OF SALTS HIGH SCHOOL  
ST. JOHN'S JESUIT HIGH SCHOOL  
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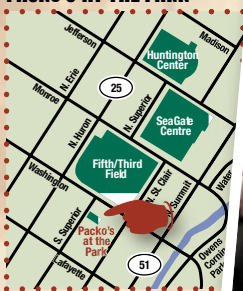
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### TOLEDO **WEAK** END GIVEAWAY

Be sure to pick up a **raffle ticket** for our stellar daily *product giveaways*!!

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(Must be present to win)

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**April 5 - 6**

**SOAR**

and

**EXPLORE**

**Enjoy the fun of flight all across the Zoo!**

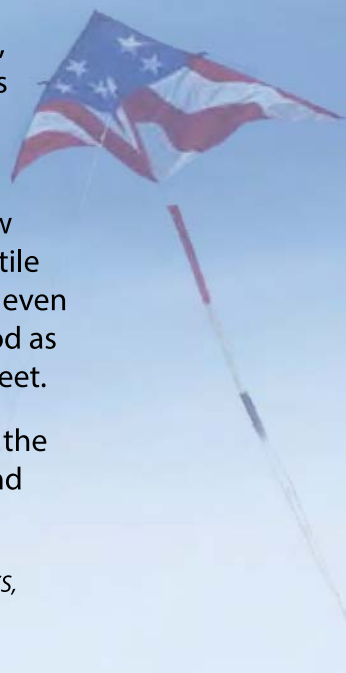
From raptor demonstrations to rocket science, just a few minutes from SeaGate Centre.

Your family will love the live animal shows, sponsored by BP, along with performances by master kite flyers, Zap Entertainment and Michael Roy's Cirque du Papier.

While you're at the Zoo, don't miss the new **Flying Reptiles** exhibit at the historic Reptile House. You'll see flying lizards, snakes and even the life-size model of a pterosaur that stood as tall as a giraffe and had a wingspan of 35 feet.

Mark your calendar for a return visit when the all-new **Penguin Beach, Flamingo Key** and **Finch Niche** exhibits open on May 23!

*Soar & Explore, with supporting sponsorship from MetroPCS, is free with regular Zoo admission.*



**TOLEDO ZOO**  
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Offer valid on general admission through April 30, 2014. Coupon must be presented to receive discount. Not valid for special events or with any coupons, discount or online ticket offer.

<b>EXHIBITOR</b>	<b>BOOTH</b>	<b>Aisle</b>	<b>EXHIBITOR</b>	<b>BOOTH</b>	<b>Aisle</b>
2DogRC.....	140	E	Giant Model Products.....	011-012	A
3D FigureWorks.....	148-149 & 178-179	E & F	Giant Power-Mojo Racing.....	006-007	A
Academy of Model Aeronautics.....	191-195	G	Graupner/SJ OPENHOBBY.....	230-231	H
Aerobroach.....	078	C	Great Planes Model Dist.....	260-262, 289-291	I-J
AeroWorks.....	255-259	I	Great Power Model Engine.....	349	L
AGAPOWER USA.....	121	D	GREX Airbrush.....	196	G
Air Age Media.....	123	D	Guangzhou Chiyuan Electronic CO.,LTD.....	095-096	C
AIRBORNE MODELS.....	365-366	L	Hansen Hobbies.....	157-158	E
Airman Wheels.....	122	D	Haoye Limited.....	055	B
Airtronics Inc.....	082-083	C	Hartman Model Boats.....	102	D
AJ Aircraft.....	146-147	E	Hawk Model Co., Ltd.....	337-339	K
AMA Flight School.....	207	G	Heli Direct.....	070-071	C
AMA Publications.....	331	K	Himax Brushless Motors.....	342-343	L
ANYANG LANYU MODEL CO.,LTD.....	030-031	A	HiSKY Model Technology (HK).....	144-145	E
Authentic Scale.....	310	K	Hitec RCD Inc.....	028-029 & 042-043	A-B
B & B Specialties Inc.....	154-155	E	HOBBI CO, Inc.....	264-265 & 286-287	I & J
B & E Graphix.....	153	E	Hobby People.....	079-081	C
Balsa USA.....	180	F	Horizon Hobby Inc.....	268-283	I-J
Batteries America.....	244-246	I	Hy Tech Marketing.....	215-216	H
bavarianDEMON.....	240	H	ICARE / ICARUS.....	334-335	K
Beacon Adhesives.....	319-320	K	Ice Cream Nutty Bars/Myers Concessions.....	163	E
Bisson Custom Mufflers.....	332	K	IFlyTailies.....	003-004	A
Bob's Aircraft Documentation.....	284	J	IM Screen Printing Co.....	224-225	H
Boca Bearing Co.....	020	A	IMAA.....	345	L
Brodak Mfg and Dist Co. Inc.....	092-094	C	IMAC.....	048	B
Buddy RC.....	369-370	L	Imex Model Co. Inc.....	015-019	A
Byron Fuels / Wildcat Fuels.....	068	C	Innov8tive Designs.....	308-309	K
Castle Creations.....	321-323	K	IRCHA.....	181-182	F
Central Hobbies.....	087-090	C	J&T Servo Extensions.....	267	I
Century Jet Models.....	353-355	L	JAG Hobbies.....	097	C
Commemorative Air Force.....	013-014	A	JR Americas Inc.....	098-101	C&D
CoolHeli.....	086-087	C	KDS MODELS USA.....	076-077	C
CST-The Composites Store, Inc.....	212-213	H	Kennedy Composites.....	138-139	E
Dave Brown Products.....	203	G	Kiona Publishing Inc.....	226-227	H
Deluxe Materials Ltd.....	254	I	Klotz Synthetic Lubricants.....	172-173	F
Desert Aircraft.....	304-307	J	Kondor Model Products.....	292-293	J
Diamond Hobby.....	294-295	J	League of Silent Flight.....	367	L
Diversified Solutions LLC-Klass Kote.....	184	F	Liberty Aviation Museum.....	248-249	I
Down and Locked Retract Systems.....	253	I	LONGYOU MINGSHEN MOULD CO.,LTD (RCGF ENGINE).....	049-050	B
Du-Bro Products.....	218-219	H	Loyalhanna Dockyard.....	104-105	D
Dynamic Balsa.....	132-133	E	Lukes RC Planes.....	032-035	A
Eagle Tree Systems, LLC.....	137	E	M.E.C.A.....	368	L
Electrodynamics, Inc.....	108-109	D	MAG-MEN R/C PRODUCTS.....	169	F
Electronic Model Systems.....	220-223	H	Maplegate Media Group.....	170	F
EMR Laboratories Inc.....	091	C	Maumee Valley Model Boat Club.....	150-151	E
E-Power RC.....	130-131	D	Maxx Products LLC.....	340-341	L
Esprit Model.....	241-243	H	Merlin Glow Plugs, Inc.....	228-229	H
Experience RC.....	236-239	H	Metric Electronic Technology.....	126	D
Flying Models.....	210-211	G	Michigan Jets.....	111-113	D
Foam Casualty.....	117-120	D	Micro Fasteners.....	060-063	B
Four PI, Inc.....	201-202	G	Mid-Atlantic Multirotor Inc.....	312	K
FULL SIZE PLANS & RC MICRO WORLD.....	372	L	MKS Servos.....	217	H
Futaba.....	263 & 288	I	Model Aero.....	363	L
GAUI.....	346-347	L	Model Aeronautics Association of Canada.....	167-168	F

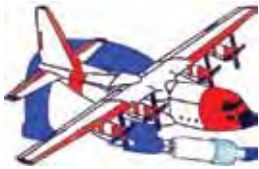


EXHIBITOR	BOOTH	Aisle	EXHIBITOR	BOOTH	Aisle
Motor City Drone Co .....	040-041	B	Sig Mfg Co, Inc.....	084-085, 114-115	C-D
Mountain Models .....	165	F	SKIPMILLERMODELS.....	297-299 316-318	J & K
NASA .....	285	J	Soaring Society of America.....	313	K
National Balsa .....	038-039	B	Sonic-Tronics Inc.....	107	D
National Society of RC Aerobatics.....	266	I	Stevens AeroModel .....	177	F
Nationwide Insurance .....	190	G	Sullivan Products / Harry Higley.....	057-059	B
NMPRA.....	064	B	Tech-Bond Solutions .....	166	F
North Coast Pond Hoppers .....	127	D	TFL Hobby .....	056	B
Ohio Model Products.....	124-125	D	THE TOOL MAN .....	326-330	K
Ohio Superstar Products Inc .....	188	G	Thunder Power RC.....	314-315	K
One Eighth Racers .....	128-129	D	Time Flies / Hobbytown.....	350-352	K
Park RC Models.....	197-200	G	Time Flies Hobbies .....	356-359	K
Peak Electronics/Custom Electronics .....	044-046	B	Traplet Publications Ltd.....	324-325	K
Precision Aerobatics USA.....	300-303	J	Tri-Motor Heritage Foundation/Museum .....	250-251	I
Prestige RC.....	073	C	Troy Built Models.....	311	K
Propwash Video Productions.....	116	D	TrueRC.....	136	E
Pulse Batteries .....	072	C	Tru-Turn Precision Model Prod.....	185-187	F
RabidModels .....	134-135	E	U.S. Scale Masters .....	183	F
Radical RC.com.....	159-162	E	Urban RC Products.....	360-362	L
Radio Control Combat Asc .....	069	C	USARCIETS.COM.....	175	F
RAM Models Inc .....	074-075	C	Valley View RC .....	208-209	G
RC Accessory .....	008-010	A	Vintage Radio Control Society .....	152	E
RC Guys.com, Div Mobile Airships.....	036	B	Warbird and Classics Alliance .....	174	F
RC Logger.....	364	L	Warbirdpilots.com.....	005	A
RCFlightDeck.com .....	110	D	Wendell Hostetler's Plans.....	171	F
RCGroups.com .....	026	A	West Michigan Park Flyers LLC.....	024-025	A
Ready Made RC .....	141-143	E	WingSpan Retracts Inc .....	051	B
Red Baron Adhesives.....	189	G	XOAR Propellers.....	067	B
Red Baron Hobbies.....	247	I	ZAP ADHESIVES .....	232	H
Redwing RC .....	214	H	Zeiss Multimedia/Total 3D Solutions .....	333	K
Reikken RC .....	027	A	Zipp Kits .....	021 & 022	A
Retro RC LLC .....	206	G	Zurich International .....	001-002	A
Riot Planes.....	023	A			
Ritch's Hobbies & Ritch's Brew .....	164	F			
RJRCoolTools.com.....	348	L			
Robart.....	233-235 & 252	H			
Rotor Concept, Inc.....	106	D			
S.A.M. ....	371	L			
Scale Ship Modelers Association .....	103	D			
Scande Research Inc.....	156	E			
Scholarship Raffle .....	204-205	G			
Shenzhen ZTW Model Science & Technology Co. Ltd.....	296	J			
Sierra Giant Scale, LLC .....	052-054	B			

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H I G H - P E R F O R M A N C E

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