

# Tournament VIII Results

August 1, 1994

Congratulations to all who entered the Eighth International RoboWar Tournament. This was the largest tournament yet. The combined entry fees sum to \$205; each winner will receive a \$25 prize. The winners are:

<b>Category</b>	<b>Winner</b>	<b>Robot(s)</b>
Individual 1st	Jean-Francis Lechat	Delsevart
Individual 2nd	Jean-Francis Lechat	Jade
Individual 3rd	Rob Williams	The Artful Dodger
Youth	John Abbott	Superzot II
Team	Doug Harris	Chlorinated Benzene Man / Chlorinated Benzene Woman
Icon Contest	Mark Ramirez	Brave Sir Robin

The Eighth RoboWar tournament featured a multitude of excellent entries. Jean-Francis Lechat, of France, claimed the International title with three robots ranked in the top four spots. Delsevart placed first overall with a flawless pouncing algorithm first appearing in Tournament IV's "Full Nelson". The Artful Dodger, by Rob Williams, is the best implementation yet of a classic strategy and claims 3rd place overall. All of the Winner's Circle robots were excellent; watching them in action is an educational experience for robot designers. John Abbott, age 11, topped the list of youth contenders with his Superzot II. Doug Harris, Chemistry Nerd Supreme, reclaims his frequently held position on the Winner's Roster with the happy couple, Chlorinated Benzene Man & Woman. Finally, Mark Ramirez captured the Monty Python-loving hearts of the Icon Judges with Brave Sir Robin, who bravely runs away when danger rears its ugly head.

This tournament also marks the success of cooperative algorithms, exemplified by robots that don't fire unless shot at. Though the battles are boring to watch, these robots quickly rack up points when pitted against other cooperative 'bots, advancing them beyond their more aggressive counterparts in total ranking. For anyone who has studied evolution of cooperation in the Prisoners' Dilemma, watching the evolution of cooperation in RoboWar tournament entries should be a fascinating experience.

A number of other entries are worthy of special comment. Tim Seufert, another member of the original IEEE computer club that started RoboWar, is back in the trenches with a number of well-performing 'bots clipped out of a Calvin & Hobbes comic book. Ian Sudick also created a variety of solid performers, just a random number generator's whim away from claiming the team title. Josh Goldfoot, in his code for Duck, describes in great detail how to use the DOPPLER command. Browse his Skittish^3 code and enjoy Ginsberg's poetry as well! Some interesting sample robots appear in the Demos folder at

the request of their authors. Apologies to any nifty bots I may have forgotten to mention; there was just so much good work.

The Eighth Tournament was run on my new PowerMac 8100 using a beta version of RoboWar 3.2 running in native mode. Maximum performance when video was turned off is estimated to be around 750 chronons / second; hence all battles were executed 3 times and summed to reduce the randomness factor. RoboWar 3.2 should be released by the end of this summer.

Congratulations again to everyone who entered; the quality of entries was the best ever. Interrupts are being used in their full glory and the DOPPLER command has become essential to most good robots. The complete results of the tournament appear below: Authors under the age of 18 are italicized to give special credit to the rising generation of RoboWarriors. Sounds were striped from some robots before distribution to make reduce disk space requirements.

## Individual Competition (note: top six robots advance to the Winners' Circle)

Robot Name	Author	Solo Score	Group Score	Total	F. Solo	F. Group	Total
Delsevart	J. Lechat	356	78	591	97	74	762
Jade	J. Lechat	351	74	574	101	68	743
The Artful Dodger	Rob Williams	326	66	524	71	36	631
Arachnée	J. Lechat	308	61	491	84	55	630
Coyote 1	Will Toleman	270	64	464	53	70	587
pall vl.1	Paul Schmidt	245	70	457	72	65	594
Pumpkinhead	Ian Sudick	264	60	445			
Brother Of The Goon	Tim Seufert	276	48	422			
Benzene Man	Doug Harris	269	50	421			
Horta	Jeff Lewis	209	69	418			
tv	Ian Sudick	201	72	418			
Benzene Woman	Doug Harris	246	57	417			
Superzot II	John Abbott	248	55	413			
Letter Blaster 2	Jeff Lewis	235	59	412			
Senturian	Theo Howell	251	50	401			
DerangedMutantKiller	Tim Seufert	233	54	396			
Brave Sir Robin	Mark Ramirez	245	49	392			
Nine Ball Bot	Jeff Lewis	204	62	390			
HappyBot VII	G.&P. Parker	237	49	386			
No Frills	Chris Bloomfield	261	41	384			
Duck	Josh Goldfoot	205	55	372			
Zendocon	Theo Howell	196	47	338			
Skittish^3	Josh Goldfoot	205	40	327			
Rammer JKL	Jeff Lewis	197	42	323			
Mr. Kool-Aid	Paul Schmidt	189	44	323			
Colocon	Theo Howell	192	38	306			
Blasterbot	John Abbott	181	41	306			
Panzer	Jeff Lewis	174	41	298			
DonBot 4	Don Wells	204	29	293			
Pokey	G.&P. Parker	136	51	291			
JKL Oidva	Jeff Lewis	152	46	290			
Tiger 2	Jeff Lewis	144	45	280			
Buster	Thong Nguyen	149	42	277			
The N.L. West	Jeff Lewis	161	37	273			
Bill	Matthew Schenk	161	31	255			
Copernicus	Jeff Lewis	143	36	252			
turtle	Edward Schenk	121	42	249			
CornerBrat	Gergely Tisza	141	34	245			
Sun	Matthew Schenk	124	39	243			
GregBot v 4.1	Gergely Tisza	151	26	230			
HeadAche	Eugene Polonsky	154	21	217			
DoomsDay II	Matthew Schenk	135	27	217			
Zappenfatz 6.1	Alexander Hieke	122	27	204			
Tank II	David Shaw	89	31	183			
2GOOD2BTRUE	Gergely Tisza	96	24	168			
Cliffhanger	Edward Schenk	70	32	166			

## Team Competition

<u>Author</u>	<u>Robot 1</u>	<u>Robot 2</u>	<u>Score</u>
Doug Harris	Chlorinated Benzen	Chlorinated Benzen	173
Ian Sudick	HEAD #1	HEAD #2	172
Tim Seufert	Goon Team	Goon Team	161
<i>G &amp; B Parker</i>	HappyBot VII Team	HappyBot VII Team 2	147
Jeff Lewis	LB2 Team #1	LB2 Team #2	147
Chris Bloomfield	No Frills twin	No Frills twin	146
<i>John Abbott</i>	Superzot II-left	Superzot II-right	136
Josh Goldfoot	Skittish^3 Team I	Skittish^3 Team II	133
Jeff Lewis	9-Ball Team	Seven Ball	132
Jeff Lewis	Panzer Team	SwampThing	127
Paul Schmidt	Team - Mr. Kool Aid	Team - Mr. Kool Aid	127
Jeff Lewis	Outlandish	Outlandish	113
<i>G &amp; B Parker</i>	PIG	GUINEA	66
David Shaw	Billiards #1 r3	Billiards #2 r3	55
Alexander Hieke	Zappenfatz 6.1	Zappenfatz 6.2	47
David Shaw	Killer 9	Hunter 10	35
<i>G &amp; B Parker</i>	superchicken	toiletbot	35