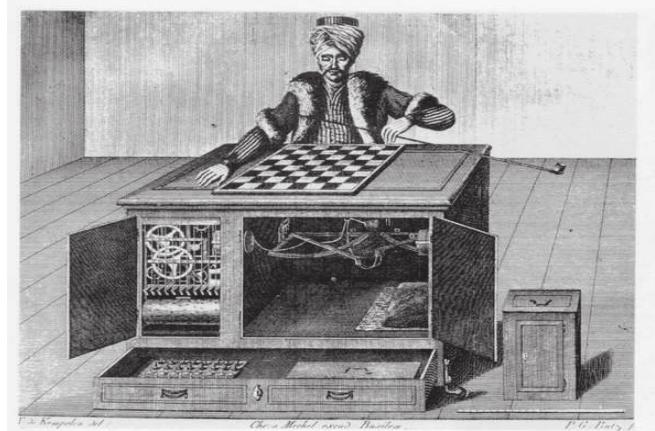


Micromouse

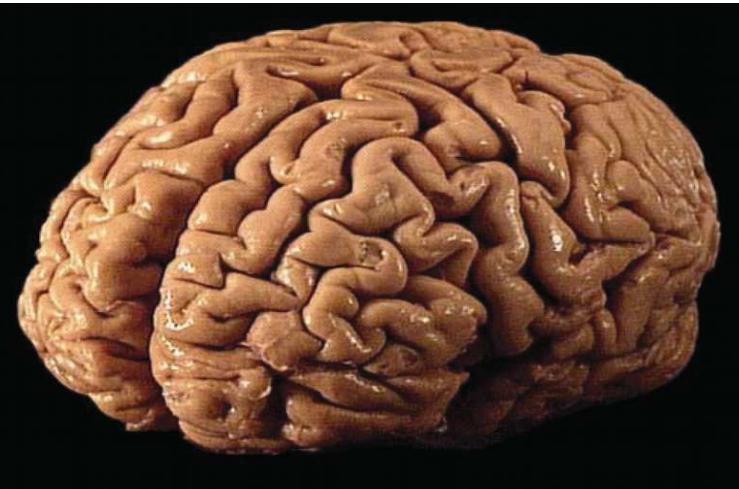


Kempelenov šachový automat (Pressburg, 1782)



Minos and Theseus Legend (roman mosaic)

Photo: Dillon.ch



Human brain

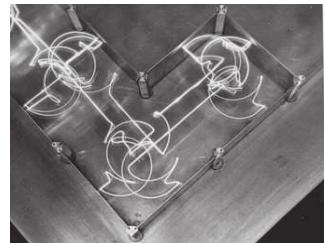
Photo: National Geographics



Mouse in a maze.

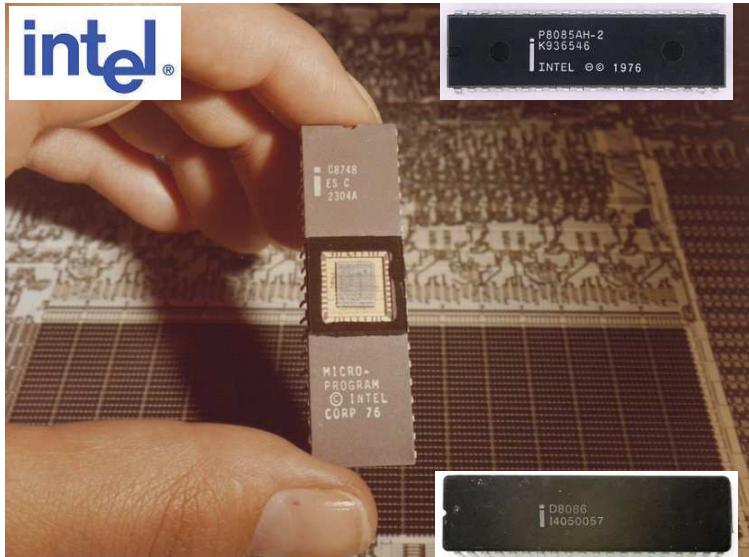
Photo: Inmagine.com

1950



AT&T
Bell Laboratories

1976



 IEEE
Advancing Technology
for Humanity

MAY VOLUME 14 □ NUMBER 5

spectral lines

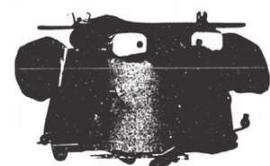
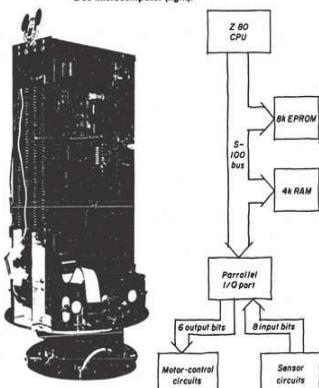
1977

Announcing the Amazing Micro-Mouse Maze Contest

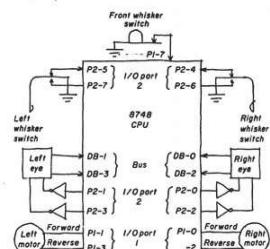
It was through mere happenstance that *Spectrum*'s editors learned—by means of word propagated along the industry grapevine—of a so-called electronic mouse ("le mouse electronique" were the exact words that reached our ears). Upon assigning our top investigative reporters to the task of finding out the true facts, we quickly found that in January the magazine *Machine Design* had indeed called for designers and constructors of "electronique" mice to enter The Great Clock Climbing Contest. Contestants would be required to construct a mechanical mouse that could attempt to climb a vertical mesh screen ("le clock," one supposes). Our disappointment came

Be that as it may, the Utah tests led to the idea of the Le Mouse II contest announced in January by *Machine Design*. (Sorry, the deadline for registration was March 1.) Beyond that, it set *Spectrum*'s engineer-editors to wondering why a true electronic mouse could not be built. We put our heads together and, after a few days of concentrated after-hours brainstorming, became convinced that the plan was feasible. In short, *Spectrum* would run its own real electronic mouse contest. The mice would be required to negotiate a maze (officially named the Mystery Mouse Maze because its configuration would be kept a closely guarded secret until race day). The contestants

[3] Microbot (left) uses four S-100 PC cards and a Zilog Z-80 microcomputer (right).



[4] Micromouse Charlotte (above) uses an Intel 8748 microcomputer. Pinout connections are shown below.



1979

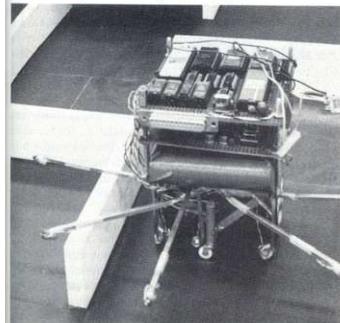
I. Box score of the final race, in order of running

Mouse	Designers/ handlers	Run 1, seconds	Run 2, seconds	Run 3, seconds
Dudley	David Schaefer, Roger Sanderson	Aborted	Aborted	252
Mikey	Michael Rigby	Aborted	Aborted	Aborted
Mini Musika	Andrea Rigby	Aborted	Aborted	Aborted
Theseus	Bob Johnson, John Diner	Aborted	Aborted	94.74
Charlotte	Dave Ziffer, Scott Pector, Robert Matz	Aborted	Aborted	Aborted
Moonlight Special	Earl Kalbfleisch	Aborted	Aborted	Aborted
Moonlight Flash	Art Boland, Ron Dilbeck, Phil Stover	66.98	50.70	50.38
Moonlight Express	Art Boland, Ron Dilbeck, Phil Stover	30.04	30.62	29.78
Harvey Wallbanger	Art Boland, Ron Dilbeck, Phil Stover	100.88	31.36	31.16
Maze	Gary Gordon, Gary Sandoval, Ken McLeod	41.88	40.42	39.96
Kimbot	Tony Rosetti, Peter Rowe, Steve Allen	Aborted	Aborted	Aborted
Wampus II	Mark Kantrowitz	Aborted	Aborted	*
Catty-wampus	David Block	Aborted	Aborted	*
Microbot	Howard Katseff, Michael Sipser	Aborted	Aborted	Aborted
	James Hamblen	Aborted	Aborted	Aborted

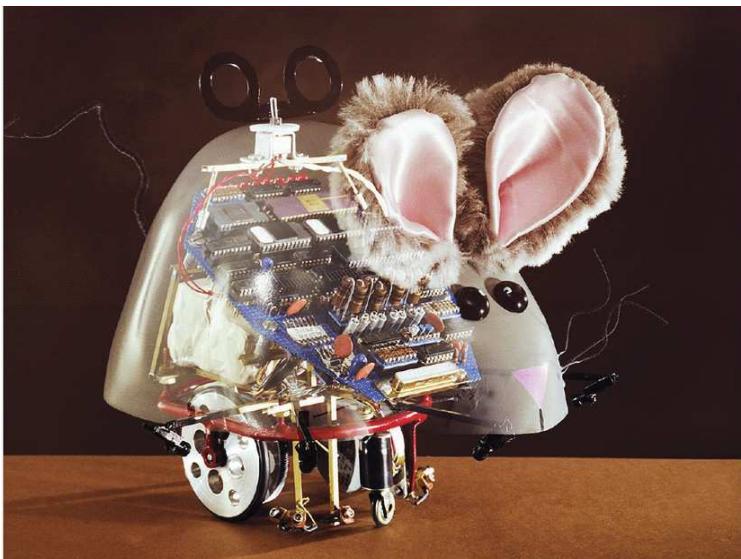
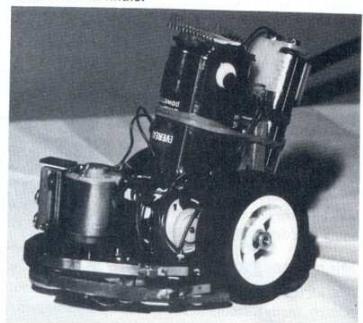
* Run not taken

6000 / 15 / 6

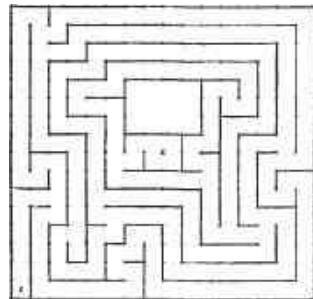
[1] Moonlight Express, improved in speed over its predecessor, the Moonlight Special, won the prize for fastest mouse to solve Spectrum's maze in less than one minute (at the third time trial in Los Angeles). It had no intelligence and followed the right wall. It won the runner-up fastest mouse prize with a first-try run of 41.88 s in the finals.



Harvey Wallbanger was the first wall-hugging micromouse to solve Spectrum's maze in less than one minute (at the third time trial in Los Angeles). It had no intelligence and followed the right wall. It won the runner-up fastest mouse prize with a first-try run of 41.88 s in the finals.



1980



- First Run -			
Mouse	Order	Time	Penalty
Mouse	8	1:30	----
Amcomical	2	10:00	1:30
Brainy Bricks	1	4:40	30
Fred	3	3:30	----
LAMI	4	1:45	4:00
Meryl	5	1:29	2:00
Midnight Sun	6	2:07	1:00
Pascal	7	3:49 *	2:00
Stirling Mouse	-	----	----
Yamabiko	-	----	----

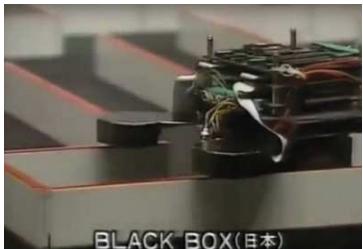
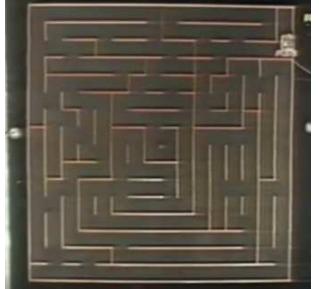
- Learning -			
Mouse	Order	Time	Penalty
Mouse	2	4:11 L	7:00
Amcomical	1	3:42	7:30
Brainy Bricks	3	5:00	7:00
Fred	4	3:49 L	----
LAMI	5	1:28 L	----
Meryl	6	0:15 L	6:00
Midnight Sun	-	----	----
Pascal	7	2:50	6:00
Stirling Mouse	-	----	----
Yamabiko	-	----	----

The first European contests were a Portsmouth preliminary on 1st July 1980, and the London finals on 17th September at EuroMicro 80. The European mazes were 16 by 16 units, and had a centre goal.

1985



23	S. I. T. XIII号	・芝浦工业大学電気工学科
24	NORIKO-X2	・福山インクラフト井谷野村
25	NORIKO-X3	・福山インクラフト井谷野村
26	Speedy Gonzales	・Ralf Hinkel (西独)
27	Manu	・Hannu Matti (芬蘭)
28	Enterprise	・David Woodfield (英)
29	NORIKO-X5	・福山インクラフト井谷野村
30	NORIKO-X1	・福山インクラフト井谷野村
31	E M I	・福山インクラフト上廣孝幸 (英)



<https://youtu.be/Y0ogmQ3hYpY>

2001

ISTROROBOT



Bludisko – výzva pre ďalší ročník

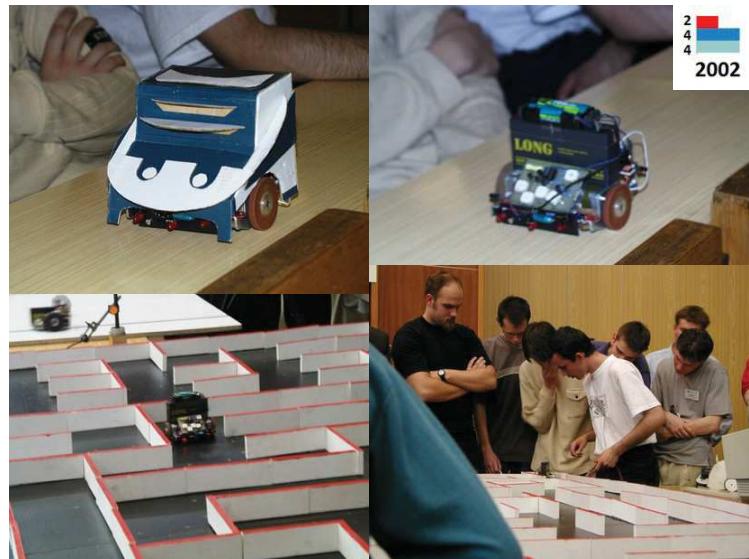
- Stopár
- Myš v bludisku
- Voľná jazda



2001

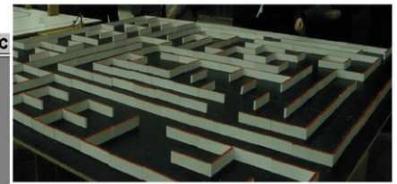
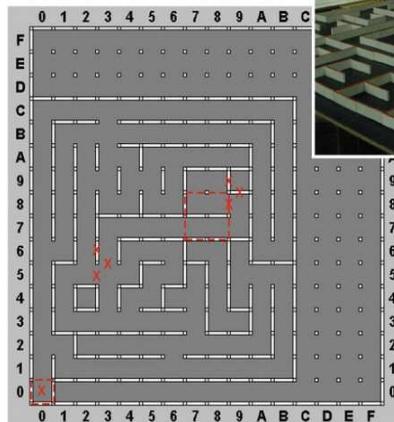
25. apríla 2001 sa na Fakulte elektrotechniky a informatiky STU uskutočnil prvý ročník súťaže mobilných autonómnych robotov

2002



2
4
4
2002

A TAKTO TO NAOZAJ VYZERALO NA SUTAZI



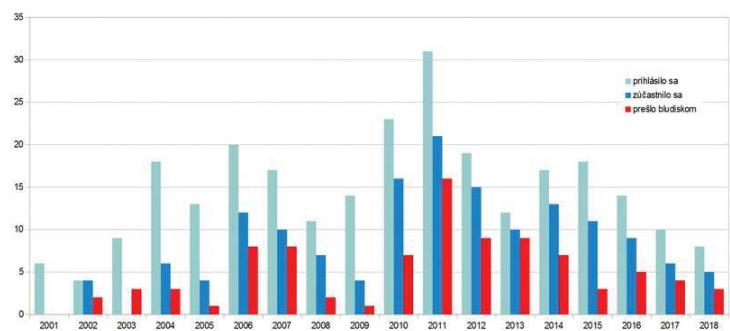
X ROZDIELY OPROTI
PLANOVANEMU BLUDISKU

100 POSUNUTIE STARTU
O JEDNO POLICKO DOLE

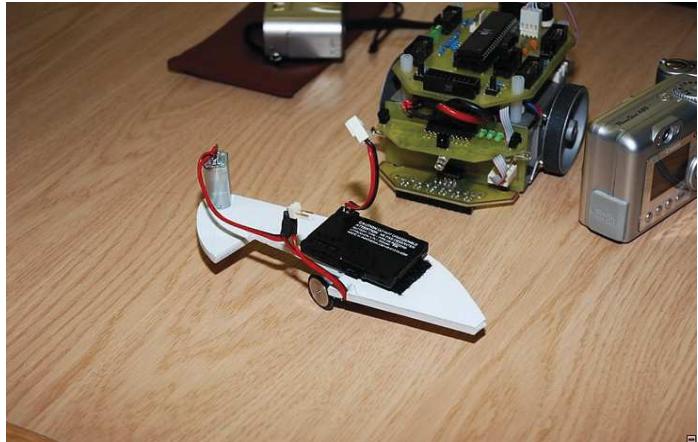
POSUNUTIE STARTU
ZAPRINCILO POSUNUTIE
CIELA A TÝM BOLO
BLUDISKO NERIESITELNE
PRE INE ROBOTY AKO
WALL-FOLLOWERY.

2003-18

2003-18



2007



To be continued...