

# *The SSDF rating list, 2020-07, in memoriam Tony Hedlund*

Article

Accepted Version

SSDF\_2020-07\_ICGA\_J report

Sandin, L. and Haworth, G. (2020) The SSDF rating list, 2020-07, in memoriam Tony Hedlund. ICGA Journal, 42 (2-3). p. 242. ISSN 1389-6911 doi: <https://doi.org/10.3233/ICG-200155>  
Available at <http://centaur.reading.ac.uk/91758/>

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Published version at: <https://content.iospress.com/articles/icga-journal/icg200155>

To link to this article DOI: <http://dx.doi.org/10.3233/ICG-200155>

Publisher: The International Computer Games Association

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# The SSDF Rating List, 2020-07, in memoriam Tony Hedlund

Lars Sandin and Guy Haworth<sup>1</sup>

*Chairman, Svenska schackdatorföreningen; Reading, England*

#	Name	Rating	+ / -	Games	Win %	Against	Notes
01	Stockfish 11 x64 1800X 3.6 GHz	3558	48 / 42	330	76%	3354	NE: A, Tord Romstad, Marco Costalba & Joona Kiiski
02	Stockfish 10 x64 1800X 3.6 GHz	3525	29 / 27	720	71%	3369	22-18 v #03/04, 22½-17½ v #05, 24½-15½ v #06, 26-14 v #07
03	Stockfish 9 x64 1800X 3.6 GHz	3484	27 / 25	842	71%	3325	20-20 v #04, 21½-18½ v #06, 23½-16½ v #07, 21½-18½ v #09
04	Komodo 13.1 x64 1800X 3.6 GHz	3471	32 / 30	520	64%	3372	A, Mark Lefler and GM Larry Kaufman; 22-18 v #07
05	Komodo 13.02 x64 1800X 3.6 GHz	3464	30 / 29	600	65%	3352	20½-19½ v #06, 22½-17½ v #07/08, 21-19 v #09, 22-18 v #11
06	Komodo 12.3 x64 1800X 3.6 GHz	3454	27 / 26	760	66%	3334	20-20 v #07, 22½-17½ v #09, 20-20 v #11, 22-18 v #13
07	Stockfish 9 x64 Q6600 2.4 GHz	3444	32 / 31	480	56%	3401	16½-23½ v #03, 20-20 v #08, 22-18 v #12, 21½-18½ v #13
08	Komodo 12.3 x64 Q6600 2.4 GHz	3436	38 / 36	360	60%	3361	15½-24½ v #02, 17½-22½ v #04/05, 20½-19½ v #12
09	Stockfish 8 x64 1800X 3.6 GHz	3427	22 / 21	320	73%	3255	20½-39½ v #01, 20-20 v #04, 22½-17½ v #12, 21-19 v #13
10	Komodo 13.2.5 MCTS x64 1800X 3.6 GHz	3423	50 / 48	200	56%	3381	NE: A, Mark Lefler and GM Larry Kaufman; 13-27 v #01
11	Stockfish 8 x64 Q6600 2.4 GHz	3411	31 / 30	560	65%	3301	13½-26½ v #02/03, 16½-23½ v #04, 27½-12½ v #15
12	Komodo 13.02 MCTS x64 1800X 3.6 GHz	3401	31 / 30	520	57%	3346	16½-23½ v #02, 18½-21½ v #03, 17½-22½ v #05, 24-16 v #15
13	Komodo 11.01 x64 1800X 3.6 GHz	3397	20 / 19	394	69%	3259	9-31 v #01, 11½-28½ v #02, 15-25 v #03, 18-22 v #04
14	Deep Shredder 13 x64 1800X 3.6 GHz	3357	24 / 24	880	64%	3256	A, Stefan Meyer-Kahlen; 13-27 v #03, 14-26 v #05, 12-28 v #06
15	Booot 6.3.1 x64 1800X 3.6 GHz	3356	22 / 22	960	51%	3349	A, Alex Morozov; 12½-27½ v #01, 10-30 v #02, 12-28 v #03
16	Komodo 11.01 x64 Q6600 2.4 GHz	3340	27 / 27	642	50%	3339	9½-30½ v #02, 11½-28½ v #03, 12½-27½ v #04, 16-24 v #05
17	Komodo 9.1 x64 Q6600 2.4 GHz	3338	20 / 19	475	72%	3176	8-34 v #03, 13-27 v #06, 14-26 v #09, 11½-28½ v #11
18	Stockfish 6 x64 Q6600 2.4 GHz	3326	21 / 20	256	69%	3190	7-33 #03, 14½-25½ v #09, 11½-28½ v #11, 15½-24½ v #13
19	Vajole2 2.8 x64 1800X 3.6 GHz	3299	27 / 28	650	38%	3382	A, Marco Belli; 17½-92½ v #01, 7-33 v #02, 11½-28½ v #03
20	Booot 6.3.1 x64 Q6600 2.4 GHz	3295	30 / 30	520	53%	3270	8-32 v #02, 11-29 v #04/05, 9-31 v #06, 10½-29½ v #07
21	Deep Shredder 13 x64 Q6600 2.4 GHz	3295	24 / 23	884	64%	3192	13-27 v #09, 10-30 v #13, 16½-23½ v #14, 15½-24½ v #17
22	Vajole2 2.8 x64 Q6600 2.4 GHz	3280	46 / 41	320	73%	3104	NE: 17-23 v #25, 25-15 v #29, 27½-12½ v #32
23	Arasan 21.2 x64 1800X 3.6 GHz	3279	28 / 29	600	38%	3360	A, Jon Dart; 5½-34½ v #01, 5-35 v #02, 10½-29½ v #04
24	Komodo 7 x64 Q6600 2.4 GHz	3269	23 / 23	974	65%	3159	7½-32½ v #03, 11½-28½ v #09, 10½-29½ v #13, 14-26 v #14
25	Arasan 21.2 x64 Q6600 2.4 GHz	3251	44 / 46	240	41%	3312	4-36 v #02, 4½-35½ v #05, 7-33 v #07, 23-17 v #22
26	Komodo 5.1 x64 Q6600 2.4 GHz	3245	22 / 22	038	64%	3144	13½-26½ v #09, 22½-61½ v #17, 11½-28½ v #18, 20-22 v #21
27	Wasp 3.5 x64 1800X 3.6 GHz	3223	29 / 31	600	32%	3349	A, John Stanback; 5-35 v #02/03, 4½-35½ v #04, 7-33 v #05
28	Deep Hiarcs 14 1800X 3.6 GHz	3222	25 / 26	760	39%	3296	A, Mark Uniacke; 7-33 v #03, 7½-32½ v #04, 5½-34½ v #06
29	Deep Rybka 4 x64 Q6600 2.4 GHz	3198	19 / 19	408	64%	3098	A, IM Vasil Rajlich; 5½-34½ v #08, 9½-30½ v #13, 8-32 v #17
30	Deep Hiarcs 14 Q6600 2.4 GHz	3188	19 / 18	450	61%	3112	9½-30½ v #13, 9-31 v #14, 13½-26½ v #16, 12-28 v #17
31	Chiron 3.01 x64 Q6600 2.4 GHz	3178	27 / 27	656	45%	3214	A, Ubaldo Andrea Farina; 7-33 v #09/13, 10½-29½ v #14
32	Wasp 3.5 x64 Q6600 2.4 GHz	3170	38 / 39	320	44%	3216	5½-34½ v #08, 10½-29½ v #18, 12½-27½ v #22, 15-25 v #25
33	Deep Junior Yokohama x64 Q6600 2.4 GHz	3126	22 / 22	010	42%	3183	A, Amir Ban & Shay Bushinsky; 6½-73½ v #09, 7½-72½ v #13
34	Hiarcs 14 Athlon 1.2 GHz	3100	29 / 29	560	55%	3065	5½-34½ v #11, 7-33 v #17, 9½-30½ v #18, 7-33 v #20
35	Deep Fritz 13 Q6600 2.4 GHz	3097	24 / 24	826	55%	3064	A, Frans Morsch; 9-31 v #24, 13½-26½ v #26/29, 12-28 v #30
36	The Baron 3.43 x64 1800X 3.6 GHz	3088	29 / 31	680	26%	3272	A, Richard Pijl; 2½-37½ v #03, 3½-36½ v #06, 3-37 v #09
37	Revelation 2 Hiarcs 14.1 PXA320 800 MHz	2924	47 / 46	220	55%	2889	A, Ruud Martin and Mark Uniacke; 7-13 v D Junior 12 Q6600
38	Chessmaster King 3.5 x64 Q6600 2.4 GHz	2860	24 / 25	932	30%	3008	A, Johan de Koning; 5-37 v Naum 4.2 Q6600
39	Revelation Hiarcs 13.3 PXA255 500 MHz	2772	57 / 52	177	66%	2660	A, Ruud Martin and Mark Uniacke; 11½-8½ v Pocket Shredder
40	Revelation Shredder 12 PXA255 500 MHz	2703	60 / 58	140	56%	2665	A, Ruud Martin and Stefan Meyer-Kahlen; 8-12 v P Shredder
41	Revelation Rybka 2.2 PXA255 500 MHz	2628	47 / 44	240	62%	2546	A, Ruud Martin and IM V. Rajlich; 9½-10½ v Hiarcs 9 A1200
42	Revelation Deep Sjeng 3 PXA255 500 MHz	2593	67 / 74	104	37%	2684	A, Gian-Carlo Pascutto [q.v. LCO]; 8-12 v Pocket Shredder
43	Millennium The King Exclusive 300 MHz	2543	70 / 67	104	57%	2495	NE: A, Johan de Koning; 5½-14½ v Pocket Fritz 3H
44	ChessGenius 3 ZTE Apex3 ARM A53 1.3 GHz	2447	65 / 62	120	56%	2402	A, Richard Lang; 12½-7½ v #45, 13-7 v Rebel 9.0 P90
45	Revelation Ruffian 2.1 PXA255 500 MHz	2349	68 / 71	100	45%	2386	A, Per-Ola Valfridsson; 2-18 v Pocket Fritz 3H
46	TASC R30 v. 2.5 ARM6 30 MHz	2274	42 / 38	343	69%	2137	A, Johan de Koning; 1-1 v Hiarcs 6 P90, 5-5 v Hiarcs 5 P90
47	Millennium ChessGenius Excl. M7 300 MHz	2244	68 / 62	120	62%	2159	A, Richard Lang; 6½-13½ v Rebel 9 P90
48	Millennium ChessGenius Pro M4 120 MHz	2165	59 / 54	160	63%	2068	A, Richard Lang; 5½-14½ v Revelation Ruffian
49	Millennium ChessGenius ARM M4 48 MHz	2075	51 / 47	211	63%	1986	A, Richard Lang; 7-13 v MCG Pro, 8-12 v Montreux
50	Mephisto London 68000 12 MHz	2006	59 / 58	140	53%	1983	A, Richard Lang; 6½-13½ v MCG Pro, 10-10 v MCG

Fig. 1. The recently tested 'Selected 50' from SSDF rating list '2020-07' of 2020-07-11, q.v., <https://ssdf.bosjo.net>.<sup>2, 3, 4</sup>

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<sup>2</sup> 'Games' = the number of games, played at '40m/2hr + 20m/1hr', on which the rating is based. 'Against' = average rating of opponents. '+' and '-' denote upper/lower 95%-confidence intervals. 'A' = author(s), 'NE' = new entrant.

<sup>3</sup> Latest platform: AMD Ryzen 7 1800X, 8-core @ 3.6GHz, 16GB RAM, SSD, 6-man Syzygy EGTs.

<sup>4</sup> Fuller SSDF data including the '50' and long lists' match detail is available at <http://centaur.reading.ac.uk/91758/>.