

# Rich Results with ACBLmerge


Matthew Kidd

Presented Dec 16, 2011 for the D22 board at Palm Springs

online at <http://www.lajollabridge.com/Software/ACBLmerge/ACBLmerge-D22-BOD.pdf>

3		Dir: South Vul: E-W	N-S	E-W	N-S	E-W	Contract	
♠74			1400		25.00	0.00	5♠* E -5	L13-Gibbs-King vs L8-Peterson-Driscoll
♥93			510		24.00	1.00	4♣* S	L10-Schmeekle-Rouso vs L1-Foster-Forrest
♦KT6			500		23.00	2.00	5♦* W -2	K11-Bongarzone-Bongarzone vs K3-Oxley-Lynn Jr
♣AT9872			400		22.00	3.00	3N S	K13-Gardner-McCaffery Jr vs K8-Gillott-Nelson
♠KT9	♠AJ62		200		21.00	4.00	4♠ E -2	L8-Davies-Davies vs L13-Cleary-Patricelli
♥KT864	♥J75		130		20.00	5.00	4♣ S	K15-Shimokura-Shimokura vs K12-Townsend-Yoder
♦AQJ98	♦7542		100		17.50	7.50	5♥ W -1	L1-Isenberg-Schuett vs L16-Pearsons-Russell
♣-	♣54		100		17.50	7.50	4♥ W -1	L6-Miller-Stevens vs L9-Carson-Friedman
	♠Q853		100		17.50	7.50	4♥ W -1	L7-Sigari-Israel vs L11-Lien-Stredler
	♥AQ2			50	11.00	14.00	4♦ W -1	L9-Walsh-Sonsini vs L15-Rickus-Lowe
	♦3			50	11.00	14.00	5♣ S -1	K1-Humphrey-Pottenger vs K16-Chambers-Chambers
	♣KQJ63			50	11.00	14.00	5♣ S -1	K2-Boss-Boss vs K2-Sherwood-Strand
7	<u>Double Dummy Makes</u>			50	11.00	14.00	5♣ S -1	K6-Gansel-Johnson vs K9-Albert-Bahr
13	6 NS: 3♣ 1/2NT +3♥3♠5			50	11.00	14.00	3N S -1	K7-Shiner-Arnold vs K11-Heller-Ansfield
14	EW: 4♦ 4♥ 2♠ ♠4NT5			50	11.00	14.00	5♣ S -1	K9-Crawford-Jelusich vs K15-Hadulla-Arjani
				50	11.00	14.00	5♣ S -1	K12-Needham-Dingle vs K6-Brandt-Seyfried
				50	11.00	14.00	5♣ S -1	K14-Nelowet-Nelowet vs K10-Charlat-Gould
				50	11.00	14.00	4♣ S -1	L15-Glickman-Glickman vs L12-Whitman-Whitman
				50	11.00	14.00	5♣ S -1	L16-McHarg-McHarg vs L14-Smith-Smith
			100	4.50	20.50	20.50	5♣ S -2	K10-Linderman-Teulecke vs K1-Shirley-Pendergast
			100	4.50	20.50	20.50	5♣ S -2	K16-Jhavar-Jhavar vs K14-Holm-Beck
			100	4.50	20.50	20.50	5♣ S -2	L14-Johnston-Johnston vs L10-Stickell-Orth
			100	4.50	20.50	20.50	5♣ S -2	L17-Le Feuvre-Stotter vs L6-Rugg-Riggs
			110	2.00	23.00		3♦ W	L2-Friedman-Newman vs L2-Perkinson-Hawkins
			600	1.00	24.00		5♦ E	K8-Landin-Rothschild vs K13-Wiebe-Wiebe
			650	0.00	25.00		4♥ W +1	L11-Macmillin-Richmond vs L3-Bessinger-Busby

LoTT: 19 - 20 = -1  
Par: -300 4NT\*-S-2



# Part 1 – Introduction to ACBLmerge

ACBLmerge is a program to integrate (merge):

- ACBLscore results
- Electronic hand records (DUP, GIB, PBN)
- Contract and opening leads from Bridgemate or BridgePad electronic scoring devices.

And present the result in HTML for display on a webpage.

ACBLmerge homepage:

<http://www.lajollabridge.com/Software/ACBLmerge/ACBLmergeAbout.htm>

# ACBLmerge screenshot #1



[?](#) [Explanation of report features](#) [View original ACBLscore output](#)

Download hands in [PBN](#) or [GIB](#) or [PDF](#) format (Right click and choose "Save Link As..." in Firefox or "Save Target As..." in IE)

Jump directly to board [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#) [17](#) [18](#) [19](#) [20](#) [21](#) [22](#) [23](#) [24](#) [25](#) [26](#) [27](#) [28](#) [29](#) [30](#) [31](#) [32](#)



Field strength: Mean: 2850 MP Geomean: 1382 MP  
(based on 128 players, 2 non ACBL players ignored)

Show faces.

EVENT>TUESDAY OPEN PAIRS      |SESSION>Morning      |SECTION> K N-S

DATE>December 13, 2011 |SANCTION>R1112022 | 12/13/2011 15:14|EVENT CODE>1301

CITY>RANCHO MIRAGE |RATING>Regional |MOVEMENT>MITCHELL

AVE> 325.0 |TOP> 25 |MP LIMITS>None/2000/750 |TOURN>PALM SPRINGS REGIONAL

PAIRS IN STRAT A=16/B=9/C=4

No	Name	Name	Section			Score	Pct	Awards	Next Session
			Flt	Rnk-A	Rnk-B				
<a href="#">1</a>	Kit Humphrey	Maritha Pottenger	A	4	.	362.24	55.73	1.06Red	K - 1 - N-S
<a href="#">2</a>	Wayne Boss	Jeanne Boss	C	.	2	297.24	45.73	0.81Red	K - 2 - N-S
<a href="#">3</a>	Joseph Kivel	Suresh Mahajan	A	1	.	400.52	61.62	3.03Gold	L - 3 - E-W


# Screenshot #1 – File Hyperlinks

## Portable Bridge Notation

% Generated by ACBLmerge.pl  
 (Matthew Kidd, San Diego, CA)  
 [Event "Tuesday Morning Pairs"]  
 [Site "PALM SPRINGS REGIONAL  
 (RANCHO MIRAGE)"]  
 [Date "2011.12.13"]  
 [Board "1"]  
 [Dealer "N"]  
 [Vulnerable "None"]  
 [Deal "W:K532.AK6532.JT.7  
 JT6.T4.AKQ6.AJ92  
 94.Q.7542.KQT643  
 AQ87.J987.983.85"]  
 [Scoring "MP"]  
 [OptimumResultTable  
 "Declarer;Denomination\2R;Result\2  
 R"]  
 E NT 4  
 S NT 9

## Ginsberg's Intelligent Bridgeplayer format

K532.AK6532.JT.7 JT6.T4.AKQ6.AJ92 94.Q.7542.KQT643 AQ87.J987.983.85:99989897767697977676  
 QT932.K86.J74.95 K75.T74.T9532.QT 84.93.AQ6.AJ8742 AJ6.AQJ52.K8.K63:7786767799A988885565  
 KT9.KT864.AQJ98. 74.93.KT6.AT9872 AJ62.J75.7542.54 Q853.AQ2.3.KQJ63:878855533333339999  
 T7.T53.AK52.KJ76 QJ42.J982.T94.T3 AK3.AQ7.QJ83.AQ2 9865.K64.76.9854:11114444333311111111  
 AT7.A42.AJ83.JT3 98643.J6.T9.K642 QJ5.QT73.Q54.AQ7 K2.K985.K762.985:1111333322222223333



### PALM SPRINGS REGIONAL TUE 10:00AM

## Set 85355

Printed by ACBL

Analysis of makeable contracts at bottom of  
each deal performed "double dummy" (as the  
cards lie.) Analysis by Deep Finesse.

Dir N ♠ J106  
Vl None ♥ 104 **1**  
♦ AKQ6  
♣ AJ92

♠ K532 ♠ 94  
♥ AK6532 ♥ Q  
♦ J10 ♦ 7542  
♣ 7 ♣ KQ10643

♠ AQ87  
♥ J987  
♦ 983  
♣ 85

N 3N; N 2♠; NS 1♦;  
S 2N; S 1♠;

<p>Dir S ♠ 74 Vl E-W ♥ 93 <b>3</b> ♦ K106 ♣ A109872</p> <p>♠ K109 ♠ AJ62 ♥ K10864 ♥ J75 ♦ AQJ98 ♦ 7542</p>	<p>Dir W ♠ QJ42 Vl Both ♥ J982 <b>4</b> ♦ 1094 ♣ 103</p> <p>♠ 107 ♠ AK3 ♥ 1053 ♥ AQ7 ♦ AK52 ♦ QJ83</p>	<p>Dir N ♠ 98643 Vl N-S ♥ J6 <b>5</b> ♦ 109 ♣ K642</p> <p>♠ A107 ♠ QJ5 ♥ A42 ♥ Q1073 ♦ AJ83 ♦ Q54</p>
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[? Explanation of report features](#) [View original ACBLscore output](#)

Download hands in [PBN](#) or [GIB](#) or [PDF](#) format (Right click and choose "Save Link As..." in Firefox or "Save Target As..." in IE)  
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Field strength: Mean: 2850 MP Geomean: 1382 MP  
 (based on 128 players, 2 non ACBL players ignored)

# Pop-up Recap Sheets

Click on  
Pair #

**Recap for pair 1 North-South (Section K)**  
**Kit Humphrey & Maritha Pottenger**

Board	Plus	Minus	Pts	Pct	Contract	Opponents
1	120		20.50	82.00	1N N +1	Joann Shirley - Maria Pendergast
2	620		24.50	98.00	4♥ S	Joann Shirley - Maria Pendergast
3		50	11.00	44.00	5♣ S -1	Patricia Chambers - Robin Chambers
4	100		16.50	66.00	6N E -1	Patricia Chambers - Robin Chambers
5		460	10.00	40.00	3N W +2	Roshen Hadulla - Temo Arjani
6	100		22.50	90.00	3♥ W -1	Roshen Hadulla - Temo Arjani
7		130	2.00	8.00	3♣ W +1	Wayne Holm - Dan Beck
8		420	18.50	74.00	4♠ E	Wayne Holm - Dan Beck
9	980		14.00	56.00	6♥ N	Nick Wiebe - Susan Wiebe
10		140	8.00	32.00	3♥ W	Nick Wiebe - Susan Wiebe
11	590		24.50	98.00	4♠* N	Mary Townsend - David Yoder
12	90		15.00	60.00	2♦ N	Mary Townsend - David Yoder
13	140		16.50	66.00	3♠ N	Ronald Heller - Janet Ansfield
14		50	3.50	14.00	6♥ S -1	Ronald Heller - Janet Ansfield
15		140	4.00	16.00	3♥ W	Mike Albert - Louise Bahr
16		650	1.00	4.00	4♠ E +1	Mike Albert - Louise Bahr
17	130		18.00	72.00	3♣ S +1	Tim Gillott - Henry Nelson
18	140		23.50	94.00	2♠ N +1	Tim Gillott - Henry Nelson
19	100		21.00	84.00	5♠ E -1	John Currie - Audrey Currie
20	100		14.00	56.00	1N E -1	John Currie - Audrey Currie
21	630		21.50	86.00	3N S +1	Ruth Brandt - Donna Seyfried
22	110		6.50	26.00	2♠ N	Ruth Brandt - Donna Seyfried
23	110		16.00	64.00	Pass Out	Arne Maki - Gene Maki
24		450	0.00	0.00	2♥ S	Arne Maki - Gene Maki
25		650	5.74	22.96	4♥ W +1	James Fowlkes - Patricia Fowlkes
26	200		24.00	96.00	2♥ N +3	James Fowlkes - Patricia Fowlkes

Session: 55.73% Plus Scores: 16 Minus Scores: 10

PAIRS IN STRAT A=16/B=9/C=4

No	Name	Name	Section				Score	Pct	Awards	Next Session
			Flt	Rnk-A	Rnk-B	Rnk-C				
<a href="#">1</a>	Kit Humphrey	Maritha Pottenger	A	4	.	.	362.24	55.73	1.06Red	K - 1 - N-S
<a href="#">2</a>	Wayne Boss	Jeanne Boss	C	.	.	2	297.24	45.73	0.81Red	K - 2 - N-S
<a href="#">3</a>	Joseph Kivel	Suresh Mahajan	A	1	.	.	400.52	61.62	3.03Gold	L - 3 - E-W

# ACBLmerge Screenshot #2

3	♠74	Dir: South	N-S	E-W	N-S	E-W	Contract		
	♥93	Vul: E-W	1400		25.00	0.00	5♠* E -5	L13-Gibbs-King vs L8-Peterson-Driscoll	
	♦KT6		510		24.00	1.00	4♣* S	L10-Schmeeckle-Rouso vs L1-Foster-Forrest	
	♣AT9872		500		23.00	2.00	5♦* W -2	K11-Bongarzone-Bongarzone vs K3-Oxley-Lynn Jr	
	♠KT9	♠AJ62			400	22.00	3N S	K13-Gardner-McCaffery Jr vs K8-Gillott-Nelson	
	♥KT864	♥J75			200	21.00	4♣ E -2	L8-Davies-Davies vs L13-Cleary-Patricelli	
	♦AQJ98	♦7542			130	20.00	4♣ S	K15-Shimokura-Shimokura vs K12-Townsend-Yoder	
	♣-	♣54			100	17.50	5♥ W -1	L1-Isenberg-Schuett vs L16-Pearsons-Russell	
					100	17.50	4♥ W -1	L6-Miller-Stevens vs L9-Carson-Friedman	
					100	17.50	4♥ W -1	L7-Sigari-Israel vs L11-Lien-Stredler	
					100	17.50	7.50	4♦ W -1	L9-Walsh-Sonsini vs L15-Rickus-Lowe
					50	11.00	14.00	5♣ S -1	K1-Humphrey-Pottenger vs K16-Chambers-Chambers
					50	11.00	14.00	5♣ S -1	K2-Boss-Boss vs K2-Sherwood-Strand
					50	11.00	14.00	5♣ S -1	K6-Gansel-Johnson vs K9-Albert-Bahr
7	<u>Double Dummy Makes</u>		50	11.00	14.00	5♣ S -1	K7-Shiner-Arnold vs K11-Heller-Ansfield		
13	6	NS: 3♣ 1/2NT +3♥3♠5	50	11.00	14.00	3N S -1	K9-Crawford-Jelusich vs K15-Hadulla-Arjani		
14		EW: 4♦4♥2♠♣4NT5	50	11.00	14.00	5♣ S -1	K12-Needham-Dingle vs K6-Brandt-Seyfried		
			50	11.00	14.00	5♣ S -1	K14-Nelowet-Nelowet vs K10-Charlat-Gould		
LoTT: 19 - 20 = -1			50	11.00	14.00	4♣ S -1	L15-Glickman-Glickman vs L12-Whitman-Whitman		
Par: -300 4NT*-S-2			50	11.00	14.00	5♣ S -1	L16-McHarg-McHarg vs L14-Smith-Smith		
			100	4.50	20.50	5♣ S -2	K10-Linderman-Teulecke vs K1-Shirley-Pendergast		
			100	4.50	20.50	5♣ S -2	K16-Jhawar-Jhawar vs K14-Holm-Beck		
			100	4.50	20.50	5♣ S -2	L14-Johnston-Johnston vs L10-Stickell-Orth		
			100	4.50	20.50	5♣ S -2	L17-Le Feuvre-Stotter vs L6-Rugg-Riggs		
			110	2.00	23.00	3♦ W	L2-Friedman-Newman vs L2-Perkinson-Hawkins		
			600	1.00	24.00	5♦ E	K8-Landin-Rothschild vs K13-Wiebe-Wiebe		
			650	0.00	25.00	4♥ W +1	L11-Macmillin-Richmond vs L3-Bessinger-Busby		

Can include opening leads if Bridgemates are configured to ask for them.

N-S	E-W	N-S	E-W	Contract	Ld	
380		8.00	0.00	2♣* S +2	♦3	4-Burgeson-Kugies vs 7-Blackwell-Pepper
150		7.00	1.00	3♣ S +2	♠A	7-Maffia-Maffia vs 2-Zeldin-Reith
130		4.00	4.00	2♣ S +2	♥2	1-Garin-Garin vs 1-Rake-Mayer
130		4.00	4.00	2♣ N +2	♦5	5-Gabriel-Wallace vs 9-Halliday-Oakley
130		4.00	4.00	4♣ S	♠A	6-Warner-Kunkel vs 11-Greene-Bradley

# Screenshot #2 – A closer look

<b>3</b>	♠74		Dir: South		N-S	E-W	N-S	E-W	Contract
	♥93		Vul: E-W						
	♦KT6								
	♣AT9872								
	♠KT9		♠AJ62						
	♥KT864		♥J75						
	♦AQJ98		♦7542						
	♣-		♣54						
	♠Q853								
	♥AQ2								
♦3									
♣KQJ63									
<b>HCP</b>									
7 <u>Double Dummy Makes</u>									
13 6 NS: 3♣ 1/2NT ♠3 ♥3 ♠5									
14 EW: 4♦ 4♥ 2♠ ♣4 NT5									
LoTT: 19 - 20 = -1									
Par: -300 4NT*-S-2 <span style="border: 1px solid black; padding: 2px;">C</span>									
<b>Law of Total Tricks Calculation</b>									
					100	4.50	20.50	5♣ S	-2
					100	4.50	20.50	5♣ S	-2
					100	4.50	20.50	5♣ S	-2
					100	4.50	20.50	5♣ S	-2
					110	2.00	23.00	3♦ W	
					600	1.00	24.00	5♦ E	
					650	0.00	25.00	4♥ W	+1

Contract and Declarer

Results sorted by N-S score

# Cut-and-Paste Aid

**3**      ♠74      Dlr: South  
          ♥93      Vul: E-W  
          ♦KT6  
          ♣AT9872

♠KT9	♠AJ62
♥KT864	♥J75
♦AQJ98	♦7542
♣-	♣54

         ♠Q853  
          ♥AQ2  
          ♦3  
          ♣KQJ63

7      Double Dummy Makes

13   6   NS: 3♣ 1/2NT ♦3 ♥3 ♠5

14      EW: 4♦ 4♥ 2♠ ♣4 NT5

LoTT: 19 - 20 = -1     

Board 3 Cut-and-Paste Aid - Mozilla Firefox  
 palmspringsregional.com/results/2011/111213M\_open\_KL.htm      Show Location

**Horizontal North and South hands with and without suit symbols**

♠74 ♥93 ♦KT6 ♣AT9872  
 ♠Q853 ♥AQ2 ♦3 ♣KQJ63

74 93 KT6 AT9872  
 Q853 AQ2 3 KQJ63

**Horizontal East and West hands with and without suit symbols**

♠AJ62 ♥J75 ♦7542 ♠54  
 ♠KT9 ♥KT864 ♦AQJ98 ♣-

AJ62 J75 7542 54  
 KT9 KT864 AQJ98

**Bridgify ready format (West, North, East, South)**

KT9.KT864.AQJ98.  
 74.93.KT6.AT9872  
 AJ62.J75.7542.54  
 Q853.AQ2.3.KQJ63

**Deal in 3x3 HTML table**

	♠74	
	♥93	
	♦KT6	
	♣AT9872	
♠KT9		♠AJ62
♥KT864		♥J75
♦AQJ98		♦7542
♣-		♣54
	♠Q853	
	♥AQ2	
	♦3	
	♣KQJ63	

# Face view and masterpoint tooltip

EVENT>TUESDAY OPEN PAIRS		SESSION>Morning	SECTION> L N-S						
AVE> 325.0		TOP> 25	MP LIMITS>None/2000/750		TOURN>PALM SPRINGS REGIONAL				
PAIRS IN STRAT A=17/B=9/C=6									
No	Name	Name	Flt	Section	Rnk-A	Rnk-B	Rnk-C	Score	Pct
<u>1</u>	Judy Is	Rhoda Walsh	A	5	.	.	.	359.69	55.34
<u>2</u>	Carol F	Has ~1900 masterpoints as of Dec 2011	C	2	1	1	1	371.39	57.14
<u>3</u>	Linda W		A	7	.	.	.	344.76	53.04
<u>4</u>	Gilbert		A	.	.	.	.	313.47	48.23
<u>5</u>	Elizabe		A	3	.	.	.	364.26	56.04
<u>6</u>	Keith M		C	.	.	.	.	296.31	45.59
<u>7</u>	Farideh		A	1	.	.	.	379.43	58.37
<u>8</u>	Angela		B	4	2	.	.	359.93	55.37
<u>9</u>	Rhoda Walsh	Barbara Sonsini	A	.	.	.	.	313.56	48.24
<u>10</u>	Gretchen Schmeackle	Denise Rousso	C	.	4	2	.	313.34	48.21
<u>11</u>	Carrie Macmillin	Lillian Richmond	B	.	.	.	.	287.65	44.25
<u>12</u>	Gwen Stoker	Mary Tucker	C	.	.	.	.	220.72	33.96
<u>13</u>	Ted Gibbs	Gary King	A	6	.	.	.	357.24	54.96
<u>14</u>	David Johnston	Peggy Johnston	B	.	3	.	.	317.50	48.85
<u>15</u>	David Glickman	Elaine Glickman	C	.	.	.	.	294.00	45.23
<u>16</u>	Woodrow McHarg	Sherry McHarg	A	.	.	.	.	322.50	49.62
<u>17</u>	Roberta Le Feuvre	Ruth Stotter	C	.	.	.	.	247.54	38.08
Totals								5463.29	

## Part 2 – Using ACBLmerge at tournaments

- Preliminary work
- Daily work



Daily work is easier if you hibernate rather than shutdown the computer. The work for each day is similar and can be recycled with small tweaks.

# Preliminary Work

- Setup ACBLmerge on your computer.
- Obtain FTP access to tournament website.
- Create year folder ([/results/YYYY](#)) and summary web page that will have links to all game results.
- Link summary page from home page.
- Upload directory of faces and CGI script (optional)
- Arrange for a director to send all the files once per day. Either:
  - Around midnight for entire day.
  - Early in the evening for morning, afternoon, and previous evening's results.

# Daily work

- Rename DUP and PDF files to YYMMDDt format. (t = M/A/E/L – ACBLscore convention)
- Export result for each event in each ACBLscore game file as a text file.
- Perform merge with ACBLmerge.
- Create links from summary web page.
- Verify summary HTML is standards compliant.
- Verify merge output is sensible bridge-wise.
- FTP all files to web server.
- Check links to all events on summary page.

**Requires 30-80 minutes per day.**

# Systematic file naming is crucial for sanity and efficiency!!

Rename DUP / PDF files to YYMMDD{M,A,E,L}.dup / pdf, e.g. 111216A.dup  
(M = Morning, A = Afternoon, E = Evening, L = Late)

Systematically name text files exported from ACBLscore:

1. YYMMDDt\_open.txt, YYMMDDt\_749er.txt, YYMMDDt\_499er.txt, YYMMDDt\_299er.txt, etc
2. YYMMDDt\_side.txt, YYMMDDt\_series.txt (Side or Continuous Series pair events)
3. YYMMDDt\_open\_KL.txt, YYMMDDt\_openLM.txt (event with 4+ sections)
4. YYMMDDt\_swiss.txt (single session Swiss)
5. YYMMDDt\_swiss\_open.txt, YYMMDDt\_swiss\_299er.txt (if flighted)
6. YYMMDDt\_swiss\_AX.txt, YYMMDDt\_swiss\_BCD.txt (alternative for flighted events)
7. YYMMDD\_swiss.txt (all day Swiss)
8. YYMMDD\_ko1.txt, YYMMDD\_ko2.txt, etc (bracketed Knockout Teams)
9. YYMMDDt\_cko1.txt, YYMMDDt\_cko2.txt, etc (bracketed Compact Knockouts – 1 session)

Do not include marketing prefixes, e.g. “Rancho Mirage”, “Cathedral City”, “Gold Rush”.  
Focus on the pipeline!

Name multi-day events by start date of event!

# Sample ACBLmerge run

```
C:\WINDOWS\system32\cmd.exe
C:\Documents and Settings\matt\My Documents\Bridge\Regionals\Palm Springs 2011>
perl -S ..\..\Programs\ACBLmerge\ACBLmerge\ACBLmerge.pl -h 111213M.dup -r 111213
M_99er.txt -o -iphone -p -g -dd -t "Dec 13, 2011 Mor 99er Pairs" -fs -fc -mp 13B
UVWYZ.ACM -b 13BUVWYZM.BWS -pbnevt "Tuesday Morning Pairs" -isb isb.htm -pdf
Electronic scoring file contains sections: B U V W Y
Performing double dummy analysis for 36 boards. (will take a few minutes)
Double dummy analysis completed in 3 min 18 sec (5.5 sec/board ave)
Creating HTML file: 111213M_99er.htm
Creating HTML file: 111213M_99er_iPhone.htm
Creating GIB file: 111213M.gib
Creating PBN file: 111213M.pbn

C:\Documents and Settings\matt\My Documents\Bridge\Regionals\Palm Springs 2011>
perl -S ..\..\Programs\ACBLmerge\ACBLmerge\ACBLmerge.pl -h 111213M.gib -r 111213
M_299er.txt -o -iphone -p -g -dd -t "Dec 13, 2011 Mor 299er Pairs" -fs -fc -mp 1
3BUVWYZ.ACM -b 13BUVWYZM.BWS -pbnevt "Tuesday Morning Pairs" -isb isb.htm -pdf
Electronic scoring file contains sections: B U V W Y
Creating HTML file: 111213M_299er.htm
Creating HTML file: 111213M_299er_iPhone.htm
Creating GIB file: 111213M.gib
Creating PBN file: 111213M.pbn

C:\Documents and Settings\matt\My Documents\Bridge\Regionals\Palm Springs 2011>
perl -S ..\..\Programs\ACBLmerge\ACBLmerge\ACBLmerge.pl -h 111213M.gib -r 111213
M_series.txt -o -iphone -p -dd -t "Dec 13, 2011 Mor Continuous Pairs Series" -fs
-fc -mp 13BUVWYZ.ACM -b 13BUVWYZM.BWS -pbnevt "Tuesday Morning Pairs" -isb isb.
htm -pdf
Electronic scoring file contains sections: B U V W Y
Creating HTML file: 111213M_series.htm
Creating HTML file: 111213M_series_iPhone.htm
Creating PBN file: 111213M.pbn

C:\Documents and Settings\matt\My Documents\Bridge\Regionals\Palm Springs 2011>
perl -S ..\..\Programs\ACBLmerge\ACBLmerge\ACBLmerge.pl -h 111213M.gib -r 111213
M_open_KL.txt -o -iphone -p -dd -t "Dec 13, 2011 Mor Open Pairs (KL)" -fs -fc -m
p 13OPEN1.ACM -b 13OPEN1M.BWS -pbnevt "Tuesday Morning Pairs" -isb isb.htm -pdf
Electronic scoring file contains sections: K L M N
Creating HTML file: 111213M_open_KL.htm
Creating HTML file: 111213M_open_KL_iPhone.htm
Creating PBN file: 111213M.pbn

C:\Documents and Settings\matt\My Documents\Bridge\Regionals\Palm Springs 2011>
perl -S ..\..\Programs\ACBLmerge\ACBLmerge\ACBLmerge.pl -h 111213M.gib -r 111213
M_open_MN.txt -o -iphone -p -dd -t "Dec 13, 2011 Mor Open Pairs (MN)" -fs -fc -m
p 13OPEN1.ACM -b 13OPEN1M.BWS -pbnevt "Tuesday Morning Pairs" -isb isb.htm -pdf
Electronic scoring file contains sections: K L M N
Creating HTML file: 111213M_open_MN.htm
Creating HTML file: 111213M_open_MN_iPhone.htm
Creating PBN file: 111213M.pbn

C:\Documents and Settings\matt\My Documents\Bridge\Regionals\Palm Springs 2011>
```

Yes, this looks frightening,  
BUT:

- 1) Up and down arrows scroll through previous DOS commands. Many ACBLmerge commands are quite similar and can be generated by editing a previous command.
- 2) If files are named systematically, ACBLmerge will assume the correct filename in many places.

# Running ACBLmerge – detailed look

The screenshot shows a Windows command prompt window with the following text:

```
C:\Documents and Settings\matt\My Documents\Bridge\Regionals\Palm Springs 2011> perl -S ..\..\Programs\ACBLmerge\ACBLmerge.pl -h 111213A.dup -r 111213A_99er.txt -o -iphone -p -g -dd -t "Dec 13, 2011 Aft 99er Pairs" -fs -fc -mp EBUNWX.ACA -b EBUNWX.A.BWS -pbnevt "Tuesday Afternoon Pairs" -isb isb.htm -pdf Electronic scoring file contains sections: B U V W X Performing double dummy analysis for 36 boards. (will take a few minutes) Double dummy analysis completed in 2 min 50 sec (4.7 sec/board ave) Creating HTML file: 111213A_99er.htm Creating HTML file: 111213A_99er_iPhone.htm Creating GIB file: 111213A.gib Creating PBN file: 111213A.pbn C:\Documents and Settings\matt\My Documents\Bridge\Regionals\Palm Springs 2011> perl -S ..\..\Programs\ACBLmerge\ACBLmerge.pl -h 111213A.gib -r 111213A_299er.txt -o -iphone -p -dd -t "Dec 13, 2011 Aft 299er Pairs" -fs -fc -mp EBUNWX.ACA -b EBUNWX.A.BWS -pbnevt "Tuesday Afternoon Pairs" -isb isb.htm -pdf Electronic scoring file contains sections: B U V W X Creating HTML file: 111213A_299er.htm Creating HTML file: 111213A_299er_iPhone.htm Creating PBN file: 111213A.pbn C:\Documents and Settings\matt\My Documents\Bridge\Regionals\Palm Springs 2011> perl -S ..\..\Programs\ACBLmerge\ACBLmerge.pl -h 111213A.gib -r 111213A_series.txt -o -iphone -p -dd -t "Dec 13, 2011 Aft Continuous Pairs Series" -fs -fc -mp EBUNWX.ACA -b EBUNWX.A.BWS -pbnevt "Tuesday Afternoon Pairs" -isb isb.htm -pdf Electronic scoring file contains sections: B U V W X Creating HTML file: 111213A_series.htm Creating HTML file: 111213A_series_iPhone.htm Creating PBN file: 111213A.pbn C:\Documents and Settings\matt\My Documents\Bridge\Regionals\Palm Springs 2011>
```

Annotations and callouts:

- ACBLscore Game file**: Points to the `111213A.dup` file in the command line.
- Name of event; be systematic.**: Points to the event name `"Dec 13, 2011 Aft 99er Pairs"`.
- Hand record**: Points to the `EBUNWX.ACA` file.
- Report from ACBLscore**: Points to the `EBUNWX.A.BWS` file.
- 99er**: Points to the `99er` event identifier.
- Bridgmate file**: Points to the `EBUNWX.A.BWS` file.
- Double dummy analysis in ~3 min**: Points to the output files for the 99er event.
- 299er**: Points to the `299er` event identifier.
- Small changes for 299er event**: Points to the `111213A.gib` file.
- Series**: Points to the `series` event identifier.
- Double dummy analysis is recycled from GIB format.**: Points to the `111213A.gib` file.
- Output files for website**: Points to the `111213A.pbn` file.

# Creating links from summary page

```
<h2>Tuesday</h2>
<table class="bridge_events" border="0">
  <thead style="font-weight: bold;">
    <tr><td width="350">Event</td><td colspan="2">Field Strength (MP)</td><td>Tables</td></tr>
  </thead>
  <tbody>
    <tr><td><a href="111213M_open_KL.htm">Morning Open Pairs (KL, 1st session)</a></td><td align="right">2850</td><td align="right">1382</td><td align="right">32</td></tr>
    <tr><td><a href="111213M_open_MN.htm">Morning Open Pairs (MN, 1st session)</a></td><td align="right">2786</td><td align="right">1271</td><td align="right">32</td></tr>
    <tr><td><a href="111213M_series.htm">Morning Continuous Pairs Series</a></td><td align="right">1288</td><td align="right">755</td><td align="right">15</td></tr>
    <tr><td><a href="111213M_299er.htm">Morning 299er Pairs</a></td><td align="right">141</td><td align="right">111</td><td align="right">17</td></tr>
    <tr><td><a href="111213M_99er.htm">Morning 99er Pairs</a></td><td align="right">36</td><td align="right">19</td><td align="right">21</td></tr>
    <!--
    <tr><td><a href="111213A_open.htm">Afternoon Open Pairs (2nd session)</a></td><td align="right">2992</td><td align="right">1308</td><td align="right">41</td></tr>
    -->
    <tr><td><a href="111213A_series.htm">Afternoon Continuous Pairs Series</a></td><td align="right">1324</td><td align="right">674</td><td align="right">37</td></tr>
    <tr><td><a href="111213A_299er.htm">Afternoon 299er Pairs</a></td><td align="right">152</td><td align="right">11</td><td align="right">18</td></tr>
    <tr><td><a href="111213A_99er.htm">Afternoon 99er Pairs</a></td><td align="right">29</td><td align="right">17</td><td align="right">12</td></tr>
    <tr><td><a href="111213A_swiss_open.htm">Afternoon Open Swiss Teams</a></td><td align="right">2232</td><td align="right">925</td><td align="right">82</td></tr>
    <tr><td><a href="111213A_swiss_299er.htm">Afternoon 299er Swiss Teams</a></td><td align="right">142</td><td align="right">114</td><td align="right">11</td></tr>
  </tbody>
</table>
```

This HTML example includes the field strength and table count numbers which could be skipped.

# Result summary web page

## Daily Bulletins

[Tuesday](#) [Wednesday](#) [Thursday](#) [Friday](#) [Saturday](#) [Sunday](#)

## Full results for the 2011 Palm Springs Regional

Results for each day's will be posted after midnight or early in the morning of the next day. Press the Refresh button in your internet browser to check for the latest results. Results for multi-day events are posted under the starting date. Send feedback and questions to the [La Jolla Unit webmaster](#).

A big WELCOME to the more than 1500 of you who have attended our tournament through Wednesday!

(...)

### Tuesday

Event	Field Strength (MP)		Tables
<a href="#">Morning Open Pairs (KL, 1st session)</a>	2850	1382	32
<a href="#">Morning Open Pairs (MN, 1st session)</a>	2786	1271	32
<a href="#">Morning Continuous Pairs Series</a>	1288	755	15
<a href="#">Morning 299er Pairs</a>	141	111	17
<a href="#">Morning 99er Pairs</a>	36	19	21
<a href="#">Afternoon Continuous Pairs Series</a>	1324	674	37
<a href="#">Afternoon 299er Pairs</a>	152	11	18
<a href="#">Afternoon 99er Pairs</a>	29	17	12
<a href="#">Afternoon Open Swiss Teams</a>	2232	925	82
<a href="#">Afternoon 299er Swiss Teams</a>	142	114	11
<a href="#">Evening Continuous Pairs Series</a>	1853	598	16
<a href="#">Evening Swiss Teams</a>	3123	1216	15

HTML code on previous slide

```
<h2>Tuesday</h2>
<table class="bridge_events" border="0">
<thead style="font-weight: bold">
<tr>
</thead>
<tbody>
<tr>
<td><a href="111213M_open_KL.htm">Morning Open Pairs (KL, 1st session)</a></td>
<td align="right">2850</td>
<td align="right">1382</td>
<td align="right">32</td>
</tr>
<tr>
<td><a href="111213M_open_MN.htm">Morning Open Pairs (MN, 1st session)</a></td>
<td align="right">2786</td>
<td align="right">1271</td>
<td align="right">32</td>
</tr>
<tr>
<td><a href="111213M_series.htm">Morning Continuous Pairs Series</a></td>
<td align="right">1288</td>
<td align="right">755</td>
<td align="right">15</td>
</tr>
<tr>
<td><a href="111213M_299er.htm">Morning 299er Pairs</a></td>
<td align="right">141</td>
<td align="right">111</td>
<td align="right">17</td>
</tr>
<tr>
<td><a href="111213M_99er.htm">Morning 99er Pairs</a></td>
<td align="right">36</td>
<td align="right">19</td>
<td align="right">21</td>
</tr>
<tr>
<td><a href="111213A_open.htm">Afternoon Open Pairs (2nd session)</a></td>
<td align="right">1324</td>
<td align="right">674</td>
<td align="right">37</td>
</tr>
<tr>
<td><a href="111213A_299er.htm">Afternoon 299er Pairs</a></td>
<td align="right">152</td>
<td align="right">11</td>
<td align="right">18</td>
</tr>
<tr>
<td><a href="111213A_99er.htm">Afternoon 99er Pairs</a></td>
<td align="right">29</td>
<td align="right">17</td>
<td align="right">12</td>
</tr>
<tr>
<td><a href="111213A_teams.htm">Afternoon Open Swiss Teams</a></td>
<td align="right">2232</td>
<td align="right">925</td>
<td align="right">82</td>
</tr>
<tr>
<td><a href="111213A_teams_299er.htm">Afternoon 299er Swiss Teams</a></td>
<td align="right">142</td>
<td align="right">114</td>
<td align="right">11</td>
</tr>
<tr>
<td><a href="111213E_series.htm">Evening Continuous Pairs Series</a></td>
<td align="right">1853</td>
<td align="right">598</td>
<td align="right">16</td>
</tr>
<tr>
<td><a href="111213E_teams.htm">Evening Swiss Teams</a></td>
<td align="right">3123</td>
<td align="right">1216</td>
<td align="right">15</td>
</tr>
</tbody>
</table>
```

# HTML validation

Clean HTML usually renders the same in all browsers, i.e. Internet Explorer, Firefox, Google Chrome, Safari, etc.

I use CSE HTML Validator. Excellent validation for under \$100.

<http://www.htmlvalidator.com>

The screenshot displays the CSE HTML Validator Std v9.03 interface. The main window shows the HTML source code for a file named 'summary.htm'. The code includes a table with the following structure:

```
218 <!-->
219
220 <h2>Tuesday</h2>
221
222 <table class="bridge events" border="0">
223   <thead style="font-weight: bold;">
224     <tr><td width="350">Event</td><td colspan="2">Field Strength (MP)</td><td>Tables</td></tr>
225   </thead>
226   <tbody>
227     <tr><td><a href="111213M_open_KL.htm">Morning Open Pairs (KL, 1st session)</a></td><td align="right">2850</td><td align="right">1382</td><td align="right">32</td></tr>
228     <tr><td><a href="111213M_open_MN.htm">Morning Open Pairs (MN, 1st session)</a></td><td align="right">2786</td><td align="right">1271</td><td align="right">32</td></tr>
229     <tr><td><a href="111213M_series.htm">Morning Continuous Pairs Series</a></td><td align="right">1288</td><td align="right">755</td><td align="right">15</td></tr>
230     <tr><td><a href="111213M_299er.htm">Morning 299er Pairs</a></td><td align="right">141</td><td align="right">111</td><td align="right">17</td></tr>
231     <tr><td><a href="111213M_99er.htm">Morning 99er Pairs</a></td><td align="right">36</td><td align="right">19</td><td align="right">21</td></tr>
232 <!--
233     <tr><td><a href="111213A_open.htm">Afternoon Open Pairs (2nd session)</a></td><td align="right">2992</td><td align="right">1308</td><td align="right">41</td></tr>
234 <!--
235     <tr><td><a href="111213A_series.htm">Afternoon Continuous Pairs Series</a></td><td align="right">1324</td><td align="right">674</td><td align="right">37</td></tr>
236     <tr><td><a href="111213A_299er.htm">Afternoon 299er Pairs</a></td><td align="right">152</td><td align="right">11</td><td align="right">18</td></tr>
237     <tr><td><a href="111213A_99er.htm">Afternoon 99er Pairs</a></td><td align="right">29</td><td align="right">17</td><td align="right">12</td></tr>
238     <tr><td><a href="111213A_swiss_open.htm">Afternoon Open Swiss Teams</a></td><td align="right">2232</td><td align="right">925</td><td align="right">82</td></tr>
239     <tr><td><a href="111213A_swiss_299er.htm">Afternoon 299er Swiss Teams</a></td><td align="right">142</td><td align="right">114</td><td align="right">11</td></tr>
240   </tbody>
241 </table>
242
243 <p>Afternoon open pairs and all evening games will be posted soon.</p>
244
245 <!-->
```

The Message Window at the bottom shows the following validation results:

Type	Line	Message
Comment		Congratulations! There were no errors or warnings.
Comment		Possibly misspelled words (5, 4 unique): KL (1x), Rumsfeldian (1x), tooltip (1x), s.
Comment		HTML 4.01 Transitional document detected.
Comment		An ICRA RDF label was not found in the "head" section of this document. Browser.
Comment		Although not normally necessary, consider including a "meta" tag similar to the fol
Comment		[10] CSE HTML Validator Std/Pro allows you to disable certain messages (like this.

At the bottom of the window, the status bar indicates: 220: 17 INS UNCHANGED 0 errors, 0 warnings, 23 messages, 14 comments.

# Verify output is sensible bridge-wise

<b>4</b>	♠QJ6	Dlr: West								
	♥874	Vul: Both								
	♦A									
	♣QJ7432									
<table border="0" style="width: 100%;"> <tr> <td>♠AK32</td> <td>♠T97</td> </tr> <tr> <td>♥AKQJT95</td> <td>♥62</td> </tr> <tr> <td>♦K3</td> <td>♦Q9542</td> </tr> <tr> <td>♣-</td> <td>♣K98</td> </tr> </table>			♠AK32	♠T97	♥AKQJT95	♥62	♦K3	♦Q9542	♣-	♣K98
♠AK32	♠T97									
♥AKQJT95	♥62									
♦K3	♦Q9542									
♣-	♣K98									
♠854 ♥3 ♦JT876 ♣AT65										
10 <u>Double Dummy Makes</u>										
20	5	NS: 3♣ ♠5♥2♠3NT3								
5		EW: 1♦ 5♥4♠ ♣4NT6								

Examine one or two hands in the HTML output to make sure results are plausible given the hands. Obvious 3N and major suit games are quick and easy. If things don't make sense, maybe:

- Wrong hand record was fed into ACBLmerge.
- Wrong ACBLscore file was fed into ACBLmerge.

There are lots and lots of files for a regional. Always check because it is easy to go wrong.

N-S	E-W	N-S	E-W	Contract
200		11.00	0.00	6♥ W -2
100		10.00	1.00	6♥ W -1
	650	5.50	5.50	4♥ W +1
	650	5.50	5.50	5♥ W
	650	5.50	5.50	5♥ W
	650	5.50	5.50	5♥ W
	650	5.50	5.50	4♥ W +1
	650	5.50	5.50	4♠ W +1
	650	5.50	5.50	5♥ W
	650	5.50	5.50	4♥ W +1
	660	1.00	10.00	4N E +1
	680	0.00	11.00	4♥ W +2

Sure looks like an E-W heart game. Hand records, ACBLscore game file, and Bridgемate / BridgePad information looks consistent. Yay!

# Common problems

- Director does not send files in a timely manner.
- Director forgets to send some files.
- It's hard to figure out which Bridgemate file to use based on the file name (ACBLmerge will complain if it can't find the sections it needs in the Bridgemate file).

# What takes time?

<b>Min</b>	<b>Task</b>
5-10	Creating text reports from ACBLscore game files
5-15	ACBLmerge double dummy analysis
5-15	Creating summary links (quickest if field strength and table counts are not included)
2	FTP to website
5-10	Checking summary links + output sanity checks
?	Puzzling over missing files.

## Part 3 – Implementation

- I can't do every regional, even in D22 (“are you ever coming to bed...”)
- I can help people setup ACBLmerge and the other tools and walk them through the pipeline.
- I can improve ACBLmerge, e.g. add a user interface.
- I think some directors could handle the pipeline: Mike Weber, Nancy Boyd, Scott Campbell (and others).

# David Kopper's ACBLmerge wrapper

**ACBLmerge - Wichita Bridge Center**

Game date and session (YYMMDD[MAEL]) 110709M

Hand file (PBN, GIB, or DUP) C:/Users/David/Documents/bridge/test/83229.pbn Browse..

ACBLscore results (TXT) 110709M Browse..

Electronic scorepad file (BWS) 110709M Browse..

Game file (AC[MAEL]) C:/ACBLSCOR/GAMEFILE/110709.ACM Browse..

Output directory (folder) C:/Users/David/Documents/bridge/test Browse..

Site Dodge City 2011 Sectional

Event Saturday Morning

NOTE: This is text that goes at the top of the result HTML

perform double dummy analysis

also generate iPhone/iPod friendly output

include face view tooltip

include table marker at center of each deal

include field strength calculation

include masterpoint tooltip

Print Execute

David Kopper of Wichita, Kansas has been an ACBLmerge beta tester. His ACBLmerge wrapper shows what a GUI might look like.

# Part 4 – A better world

- Post processing ACBLscore output is a dumb. Functionality should be in ACBLscore.
- Program specifications are nice... But a working example of what is wanted (e.g. prototype) is much more powerful. ACBL should learn from ACBLmerge and BridgeComposer.
- ACBLscore 2 should have a data oriented export standard (e.g. XML or JSON) to allow systematic post-processing for those who want to extend the frontier.
- Tournament results should be hosted on the ACBL website, like Club Results.
- Tournament results should be uploaded to ACBL within 30 minutes of session completion, i.e. immediately available, especially for smart phones / tablet owners.



Signed in as player J148427  
Matthew Kidd

[SignOut and return to acbl.org](#)

**Membership Information**

Rank: Life Master  
Unit: 526  
District: 22  
Dues Status: Paid  
Dues Paid Through: 03/2014  
Date Paid: 03/07/2011  
Date Joined: 12/1/1991

[Renew My Membership](#)

[Change My Address](#)  
[Change My E-mail Address](#)  
[Change My Password](#)

[Change my Picture](#)

[ACBL Privacy Policy](#)  
[Manage My ePrivacy](#)

**My Masterpoints**

Current total (including all points received to date): 427

[Check My Masterpoints](#)  
[Where Do You Stand?](#)  
[Rank Requirements](#)  
[Masterpoints FAQ](#)



**Bridge Bulletin Online**

View the most current issue of *The Bridge Bulletin* online. Make the most of *The Bridge Bulletin* online by learning all its features with our [in-depth tutorial of the interface](#). Back issues are available online from January 2005.

**Note:** *The Bridge Bulletin* online and interface tutorials may take several minutes to load and a broadband connection is recommended.

Please note that [Adobe Flash Player plugin](#) is required for viewing the online version of *The Bridge Bulletin*. Adobe Flash Player plugin is standard with most web browsers and may be downloaded free. Need help installing the Flash Player plugin? View our [Step-by-Step guide to installing the Flash Player plugin](#).

**My Unit & District Masterpoint Races 2011**

Unit races: [Mini McKenney | Ace of Clubs](#)  
District races: [Mini McKenney | Ace of Clubs](#)

**2010**

Unit races: [Mini McKenney | Ace of Clubs](#)  
District races: [Mini McKenney | Ace of Clubs](#)

**Financial Reports**

[ACBL 2010 Audited Financial Statements - View](#)

**Note:** Financial reports are for review by members of ACBL only - not for distribution

**It's Your Call On-line**

The Bridge Bulletin's It's Your Call is now available on-line. Answers this month's questions

# Member pictures

Face View is neat but picture management is a pain. Why? (1) Obtaining pictures, (2) Privacy (opt-in), and (3) "same site origin" web security policy forces face image duplication on each tournament web site.

If tournament results were hosted on ACBL website and picture(s) could be added to one's MyACBL profile, all these problems go away!

# Some ACBLscore 2 questions

- Who, if anyone, is accepting input on the ACBLscore overhaul?
- Would they like help defining features or data exchange standards?
- Would they like beta testers?

I'd like to help.



# Thoughts on ACBL's digital initiatives

- Club Results – Great idea. Very much the right way to use web technologies.
- ACBL Web site navigation overhaul (Kitty Cooper) – good progress.
- ACBL site search – dismal. Google-Mini issue?
- Club Finder iPhone App – Still a toy but could morph into something good.
- E-mail lists – Basic functionality mastered.

## Part 5 – Some digital dreams

- ACBL hosted online partnership desk, supporting both clubs and tournaments.
- Better *Bridge Bulletin* Online indexing.
- Ability to add comments to individual hands for results posted online.
- Equitable punishment for excessively slow play.
- Pair rating system.
- Single dummy analysis.

# Better *Bridge Bulletin* Online indexing

The Bridge Bulletin Online  
Currently logged in as: Matthew Kidd(J148427)

Note: The Bridge Bulletin online and interface tutorials may take several minutes to load and a broadband connection is recommended.

Return to MyACBL  
SignOut and return to acbl.org

**Select Issue**  
December 2011

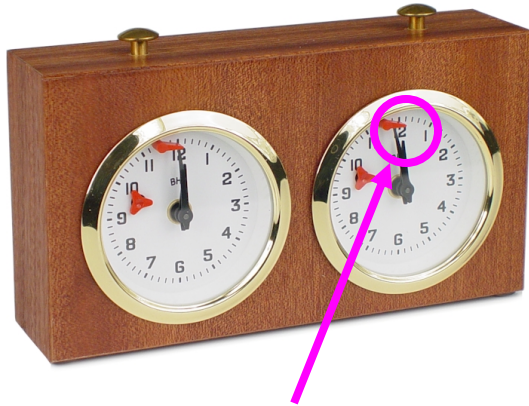
Need help installing the Flash Player plugin? View our [Step-by-Step guide to installing the Flash Player plugin](#).

Make the most of *The Bridge Bulletin* online by learning all its features with our [in-depth tutorial of the interface](#).

A pink oval highlights the 'Select Issue' dropdown menu and the 'Go' button. A pink arrow points from the text below to the 'Go' button.

What if I can't remember what issue the article was in? I'd like to be able to choose a feature, e.g. George's World or the Real Deal, get a list of article titles, and then choose the article.

# Punishing Slow Play



Chess – Flag falls, game over.



Scrabble – Lose 10 points for every minute over time.

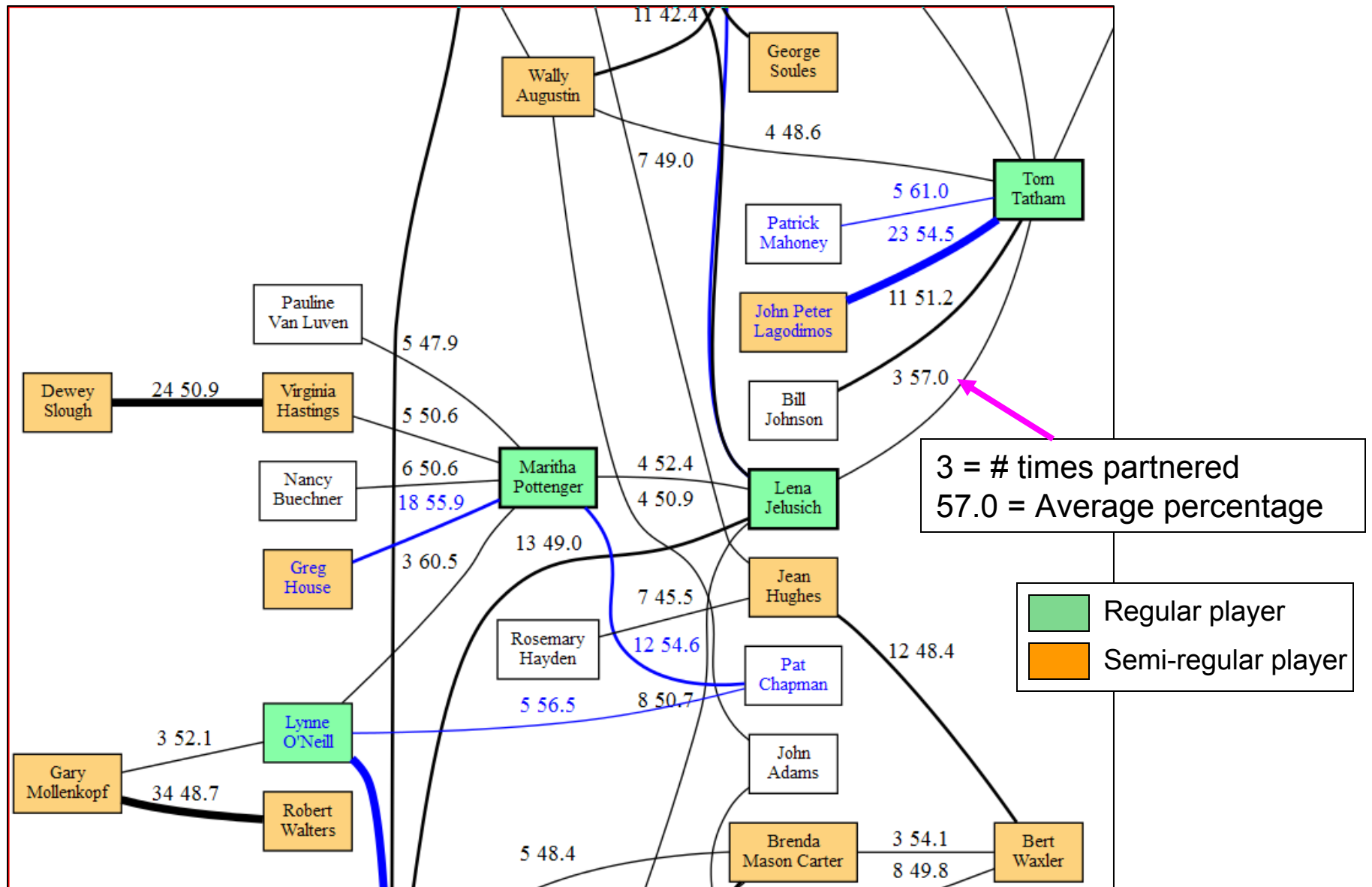
- Bridge is a timed event.
- Everyone knows who the slow players are but they are rarely punished and therefore never change.
- Bridgemate and BridgePad devices timestamp all entries.
- Scrabble model seems best, e.g. 1% penalty for every 10 minutes beyond set limit (e.g. 7 min / board).
- Can't exactly determine how much time each pair took at a table but can make reasonable assumptions:
  - 50-50 – underestimates slowness of slow pairs and quickness of fast pairs.
  - Employ linear algebra to better estimate time taken by each pair over full session.

# Rating pairs

- Masterpoints are an award system, not a rating system.
- Rating individual players is hard.
- Rating pairs is much easier, similar to rating chess players.
- Potentially  $O(N^2)$  pairs, i.e.  $10^{10}$  for ACBL, but most potential pairings do not occur.
- Can further limit to “established” partnerships, e.g. 10+ sessions per year.
- Modern computing can handle this with ease!
- Maybe [Mark Glickman](#) can help with rating system (he is the expert behind the USCF rating system)

Rating system does not have to replace masterpoint system. Instead run them in parallel.

# One last fun thing: The Social Network



Full details at <http://www.lajollabridge.com/Articles/SocialNetworks.htm>