



THE MACALESTER TRIALS

November 1-3, 2013
St. Paul, Minnesota

Official Tabulation Summary

Team Number/School	Round 1	Round 2	Round 3	Round 4	Record
1001 Wisconsin-Superior	π v. 1013 W W +14 +4	Δ v. 1490 L L -7 -5	Δ v. 1578 W W +28 +13	π v. 1450 W T +15	5-2-1 WB: 20.75
	1002 Wisconsin-Superior	π v. 1610 W W +7 +4	Δ v. 1083 L L -3 -2	Δ v. 1455 L L -17 -8	π v. 1608 W L +1 -7
1003 Wisconsin-Superior		Δ v. 1455 L L -10 -7	π v. 1579 W W +5 +1	Δ v. 1013 L L -19 -4	π v. 1174 W L +15 -4
	1011 Minnesota	Δ v. 1124 W L +16 -3	π v. 1085 W W +4 +1	π v. 1043 W T +3	Δ v. 1490 W W +12 +10
1012 Minnesota		Δ v. 1374 W T +18	π v. 1556 W W +12 +6	Δ v. 1123 W L +5 -2	π v. 1042 W L +1 -3
	1013 Minnesota	Δ v. 1001 L L -14 -4	π v. 1115 W W +11 +1	π v. 1003 W W +19 +4	Δ v. 1043 W L +1 -4
1042 Macalester		π v. 1084 W W +21 +2	Δ v. 1174 W W +17 +11	π v. 1555 W W +6 +3	Δ v. 1012 W L +3 -1
	1043 Macalester	Δ v. 1279 W W +26 +6	π v. 1123 L T -2	Δ v. 1011 L T -3	π v. 1013 W L +4 -1
1044 Macalester		Δ v. 1085 W L +4 -4	π v. 1124 W L +1 -3	Δ v. 1454 L L -2 -2	π v. 1343 W W +12 +6
	1083 Luther	Δ v. 1609 W W +1 +1	π v. 1002 W W +3 +2	Δ v. 1450 L L -8 -2	π v. 1123 W L +4 -3

Team Number/School	Round 1	Round 2	Round 3	Round 4	Record
1084 Luther	Δ v. 1042 L L -21 -2	π v. 1279 W W +17 +11	π v. 1401 W W +16 +4	Δ v. 1489 W L +16 -3	5-3
					WB: 14.31
1085 St. Norbert	π v. 1044 W L +4 -4	Δ v. 1011 L L -4 -1	Δ v. 1556 W L +10 -2	π v. 1578 W W +19 +3	4-4
					WB: 17.65
1115 Carleton	π v. 1122 L L -13 -12	Δ v. 1013 L L -11 -1	π v. 1279 W W +12 +8	Δ v. 1610 W W +6 +3	4-4
					WB: 8.45
1122 Drake	Δ v. 1115 W W +13 +12	π v. 1455 W W +18 +2	π v. 1490 W W +6 +3	Δ v. 1555 L L -10 -3	6-2
					WB: 21.87
1123 Drake	π v. 1454 W W +13 +13	Δ v. 1043 W T +2	π v. 1012 W L +2 -5	Δ v. 1083 W L +3 -4	5-2-1
					WB: 20.34
1124 Drake	π v. 1011 W L +3 -16	Δ v. 1044 W L +3 -1	Δ v. 1608 W W +10 +4	π v. 1455 W W +23 +10	6-2
					WB: 21.16
1174 Bemidji State	Δ v. 1611 W W +36 +19	π v. 1042 L L -17 -11	π v. 1489 L L -4 -4	Δ v. 1003 W L +4 -15	3-5
					WB: 8.67
1271 St. John's/St. Ben's	π v. 1450 L L -10 -3	Δ v. 1610 W L +6 -1	π v. 1609 L L -4 -4	Δ v. 1611 W W +33 +7	3-5
					WB: 11.11
1279 Minnesota-Duluth	π v. 1043 L L -26 -6	Δ v. 1084 L L -17 -11	Δ v. 1115 L L -12 -8	π v. 1374 L L -9 -9	0-8
					WB: 4.38
1343 Wisconsin-LaCrosse	π v. 1608 L L -11 -1	Δ v. 1609 W L +15 -2	π v. 1610 W W +6 +4	Δ v. 1044 L L -12 -6	3-5
					WB: 13.01
1344 Wisconsin-LaCrosse	Δ v. 1401 L L -11 -5	π v. 1489 L L -14 -9	π v. 1611 W W +4 +4	Δ v. 1579 L L -15 -6	2-6
					WB: 4.75
1374 Iowa State	π v. 1012 L T -18	Δ v. 1578 L L -4 -3	π v. 1579 W T +2	Δ v. 1279 W W +9 +9	3-3-2
					WB: 9.71
1401 St. Catherine	π v. 1344 W W +11 +5	Δ v. 1555 L L -16 -11	Δ v. 1084 L L -16 -4	π v. 1556 L L -12 -2	2-6
					WB: 7.98
1450 Nebraska	Δ v. 1271 W W +10 +3	π v. 1608 W W +6 +3	π v. 1083 W W +8 +2	Δ v. 1001 L T -15	6-1-1
					WB: 19.34

Team Number/School	Round 1	Round 2	Round 3	Round 4	Record
1454 St. Thomas	Δ v. 1123 L L -13 -13	π v. 1611 W W +8 +5	π v. 1044 W W +2 +2	Δ v. 1609 W L +1 -3	5-3 WB: 11.19
	π v. 1003 W W +10 +7	Δ v. 1122 L L -18 -2	π v. 1002 W W +17 +8	Δ v. 1124 L L -23 -10	4-4 WB: 14.08
1489 Grinnell	π v. 1555 L L -10 -8	Δ v. 1344 W W +14 +9	Δ v. 1174 W W +4 +4	π v. 1084 W L +3 -16	5-3 WB: 13.70
	Δ v. 1579 W W +14 +11	π v. 1001 W W +7 +5	Δ v. 1122 L L -6 -3	π v. 1011 L L -12 -10	4-4 WB: 19.59
1555 St. Olaf	Δ v. 1489 W W +10 +8	π v. 1401 W W +16 +11	Δ v. 1042 L L -6 -3	π v. 1122 W W +10 +3	6-2 WB: 23.26
	π v. 1578 W T +14	Δ v. 1012 L L -12 -6	π v. 1085 W L +2 -10	Δ v. 1401 W W +12 +2	4-3-1 WB: 12.29
1578 St. John's/St. Ben's	Δ v. 1556 L T -14	π v. 1374 W W +4 +3	π v. 1001 L L -28 -13	Δ v. 1085 L L -19 -3	2-5-1 WB: 9.05
	π v. 1490 L L -14 -11	Δ v. 1003 L L -5 -1	Δ v. 1374 L T -2	π v. 1344 W W +15 +6	2-5-1 WB: 10.48
1608 Hamline	Δ v. 1343 W W +11 +1	π v. 1450 L L -6 -3	π v. 1124 L L -10 -4	Δ v. 1002 W L +7 -1	3-5 WB: 14.88
	π v. 1083 L L -1 -1	Δ v. 1343 W L +2 -15	Δ v. 1271 W W +4 +4	π v. 1454 W L +3 -1	4-4 WB: 15.01
1610 Hamline	Δ v. 1002 L L -7 -4	π v. 1271 W L +1 -6	Δ v. 1343 L L -6 -4	π v. 1115 L L -6 -3	1-7 WB: 10.29
	π v. 1174 L L -36 -19	Δ v. 1454 L L -8 -5	Δ v. 1344 L L -4 -4	π v. 1271 L L -33 -7	0-8 WB: 4.53

TIE-BREAKER

The Macalester Invitational uses the Weighted Ballots System to break ties between teams with the same record (unless a head-to-head tiebreaker can be used). A full explanation of how the tiebreaker is calculated, along with a more detailed statistical breakdown, is attached to this summary.

OUTSTANDING TRIAL TEAMS

1st)	1042	Macalester	7-1	WB: 28.03
2nd)	1011	Minnesota	6-1-1	WB: 25.24
3rd)	1450	Nebraska	6-1-1	WB: 19.34
4th)	1555	St. Olaf	6-2	WB: 23.26
5th)	1122	Drake	6-2	WB: 21.87
6th)	1124	Drake	6-2	WB: 21.16
7th)	1012	Minnesota	5-2-1	WB: 23.45
8th)	1001	Wisconsin-Superior	5-2-1	WB: 20.75
9th)	1123	Drake	5-2-1	WB: 20.34
10th)	1013	Minnesota	5-3	WB: 16.94
HM)	1083	Luther	5-3	WB: 15.94
HM)	1084	Luther	5-3	WB: 14.31
HM)	1489	Grinnell	5-3	WB: 13.70
HM)	1454	St. Thomas	5-3	WB: 11.19

OUTSTANDING ATTORNEYS

20	π	Jake Hasson	1042	Macalester
20	π	Margot Kienitz	1084	Luther
20	Δ	Alex Rafferty	1012	Minnesota
20	Δ	Chloe Schumaker	1044	Macalester
20	Δ	Frank Liang	1011	Minnesota
20	Δ	Jay Ochanpaugh	1374	Iowa State
19	Δ	Rachel Winter	1608	Hamline
19	π	Jackson Pahlke	1450	Nebraska
19	Δ	Stephanie Johnson	1609	Hamline
19	π	Greg Boal	1122	Drake
19	Δ	Brittany Fish	1123	Drake
19	π	Taylor Tengwall	1001	Wisconsin-Superior

OUTSTANDING WITNESSES

20	Δ	Andrew Hanson	1001	Wisconsin-Superior
20	Δ	Elisabeth Bierstaker	1401	St. Catherine
19	Δ	Jake Hasson	1042	Macalester
19	π	Brittany Fish	1123	Drake
19	π	Alex Rafael	1003	Wisconsin-Superior
19	Δ	Kayla Schoenwalder	1013	Minnesota
18	Δ	Matt Maloney	1085	St. Norbert
18	Δ	Eder Castillo	1011	Minnesota
18	Δ	Richard Larkin McLay	1578	St. John's/St. Ben's
18	Δ	Charles Dudek	1271	St. John's/St. Ben's
17	Δ	Alexander O'Connor	1279	Minnesota-Duluth
17	π	James Bott	1454	St. Thomas
17	π	Rachel Winter	1608	Hamline
17	Δ	Janelle Krummen	1085	St. Norbert
17	Δ	Eunice Mang	1609	Hamline
17	Δ	Rachel Crane	1044	Macalester

2013 Macalester Trials

Sabermetric Tab Summary

The Macalester Trials

November 1-3, 2013

Complete Win: 14

Red = π Blue = Δ

No.	Team	Opp. Name		Opp. Name		Opp. Name		Opp. Name		Record:
		Opp. No.	Opp. PB	Opp. No.	Opp. PB	Opp. No.	Opp. PB	Opp. No.	Opp. PB	
	Point Differential:	Ballot 1	Ballot 2	Ballot 3	Ballot 4	Ballot 5	Ballot 6	Ballot 7	Ballot 8	PD:
	Partial Ballots:	PB 1	PB 2	PB 3	PB 4	PB 5	PB 6	PB 7	PB 8	Σ(PB):
	Weighted Ballots:	WB 1	WB 2	WB 3	WB 4	WB 5	WB 6	WB 7	WB 8	Σ(WB):
1001	Wisconsin-Superior A	Minnesota C	Grinnell B	St. John's/St. Ben's B	Nebraska					Record: 5.5
		1013 4.321429	1490 4.214286	1578 2.178571	1450 4.642857					CS: 18
	Point Differential:	+14 +4	-7 -5	+28 +13	+15 0					PD: 62
	Partial Ballots:	1 0.642857	0.25 0.321429	1 0.964286	1 0.5					Σ(PB): 5.678571
	Weighted Ballots:	4.321429 2.778061	1.053571 1.354592	2.178571 2.100765	4.642857 2.321429					Σ(WB): 20.75128
1002	Wisconsin-Superior B	Hamline C	Luther A	St. Thomas B	Hamline A					Record: 3
		1610 2.75	1083 3.928571	1165 3.964286	1608 3.821429					CS: 13
	Point Differential:	+7 +4	-3 -2	-17 -8	+1 -7					PD: -25
	Partial Ballots:	0.75 0.642857	0.392857 0.428571	0 0.214286	0.535714 0.25					Σ(PB): 3.214286
	Weighted Ballots:	2.0625 1.767857	1.543367 1.683673	0 0.84949	2.047194 0.955357					Σ(WB): 10.90944
1003	Wisconsin-Superior C	St. Thomas B	St. John's/St. Ben's C	Minnesota C	Bemidji State					Record: 3
		1165 3.964286	1579 3.535714	1013 4.321429	1174 3.464286					CS: 14.5
	Point Differential:	-10 -7	+5 +1	-19 -4	+15 -4					PD: -23
	Partial Ballots:	0.142857 0.25	0.678571 0.535714	0 0.357143	1 0.357143					Σ(PB): 3.321429
	Weighted Ballots:	0.566327 0.991071	2.399235 1.894133	0 1.543367	3.464286 1.237245					Σ(WB): 12.09566
1011	Minnesota A	Drake C	St. Norbert	Macalester B	Grinnell B					Record: 6.5
		1124 5.035714	1085 4.714286	1043 4.642857	1490 4.214286					CS: 18
	Point Differential:	+16 -3	+4 +1	+3 0	+12 +10					PD: 43
	Partial Ballots:	1 0.392857	0.642857 0.535714	0.607143 0.5	0.928571 0.857143					Σ(PB): 5.464286
	Weighted Ballots:	5.035714 1.978316	3.030612 2.52551	2.818878 2.321429	3.913265 3.612245					Σ(WB): 25.23597
1012	Minnesota B	Iowa State	St. Olaf B	Drake B	Macalester A					Record: 5.5
		1374 3.964286	1556 4.071429	1123 4.857143	1042 5.857143					CS: 21
	Point Differential:	+18 0	+12 +6	+5 -2	+1 -3					PD: 37
	Partial Ballots:	1 0.5	0.928571 0.714286	0.678571 0.428571	0.535714 0.392857					Σ(PB): 5.178571
	Weighted Ballots:	3.964286 1.982143	3.780612 2.908163	3.295918 2.081633	3.137755 2.30102					Σ(WB): 23.45153

2013 Macalester Trials

1013 Minnesota C	Wisconsin-Superior A	Carleton		Wisconsin-Superior C	Macalester B		Record:	5
	1001 5.678571	1115 3.714286	1003 3.321429	1043 4.642857	CS:	16.5		
	Point Differential: -14 -4	+11 +1	+19 +4	+1 -4	PD:	14		
	Partial Ballots: 0 0.357143	0.892857 0.535714	1 0.642857	0.535714 0.357143	Σ (PB):	4.321429		
	Weighted Ballots: 0 2.028061	3.316327 1.989796	3.321429 2.135204	2.487245 1.658163	Σ (WB):	16.93622		
1042 Macalester A	Luther B	Bemidji State		St. Olaf A	Minnesota B		Record:	7
	1084 5.357143	1174 3.464286	1555 5.678571	1012 5.178571	CS:	19.5		
	Point Differential: +21 +2	+17 +11	+6 +3	+3 -1	PD:	62		
	Partial Ballots: 1 0.571429	1 0.892857	0.714286 0.607143	0.607143 0.464286	Σ (PB):	5.857143		
	Weighted Ballots: 5.357143 3.061224	3.464286 3.093112	4.056122 3.447704	3.144133 2.404337	Σ (WB):	28.02806		
1043 Macalester B	Minnesota-Duluth	Drake B		Minnesota A	Minnesota C		Record:	4
	1279 1.035714	1123 4.857143	1011 5.464286	1013 4.321429	CS:	17		
	Point Differential: +26 +6	-2 0	-3 0	+4 -1	PD:	30		
	Partial Ballots: 1 0.714286	0.428571 0.5	0.392857 0.5	0.642857 0.464286	Σ (PB):	4.642857		
	Weighted Ballots: 1.035714 0.739796	2.081633 2.428571	2.146684 2.732143	2.778061 2.006378	Σ (WB):	15.94898		
1044 Macalester C	St. Norbert	Drake C		St. Thomas A	UW-LaCrosse A		Record:	4
	1085 4.714286	1124 5.035714	1164 3.607143	1343 3.714286	CS:	18		
	Point Differential: +4 -4	+1 -3	-2 -2	+12 +6	PD:	12		
	Partial Ballots: 0.642857 0.357143	0.535714 0.392857	0.428571 0.428571	0.928571 0.714286	Σ (PB):	4.428571		
	Weighted Ballots: 3.030612 1.683673	2.697704 1.978316	1.545918 1.545918	3.44898 2.653061	Σ (WB):	18.58418		
1083 Luther A	Hamline B	Wisconsin-Superior B		Nebraska	Drake B		Record:	5
	1609 3.857143	1002 3.214286	1450 4.642857	1123 4.857143	CS:	19		
	Point Differential: +1 +1	+3 +2	-8 -2	+4 -3	PD:	-2		
	Partial Ballots: 0.535714 0.535714	0.607143 0.571429	0.214286 0.428571	0.642857 0.392857	Σ (PB):	3.928571		
	Weighted Ballots: 2.066327 2.066327	1.951531 1.836735	0.994898 1.989796	3.122449 1.908163	Σ (WB):	15.93622		
1084 Luther B	Macalester A	Minnesota-Duluth		St. Catherine	Grinnell A		Record:	5
	1042 5.857143	1279 1.035714	1401 2.535714	1489 4.071429	CS:	14		
	Point Differential: -21 -2	+17 +11	+16 +4	+16 -3	PD:	38		
	Partial Ballots: 0 0.428571	1 0.892857	1 0.642857	1 0.392857	Σ (PB):	5.357143		
	Weighted Ballots: 0 2.510204	1.035714 0.924745	2.535714 1.630102	4.071429 1.59949	Σ (WB):	14.3074		
1085 St. Norbert	Macalester C	Minnesota A		St. Olaf B	St. John's/St. Ben's B		Record:	4
	1044 4.428571	1011 5.464286	1556 4.071429	1578 2.178571	CS:	17.5		
	Point Differential: +4 -4	-4 -1	+10 -2	+19 +3	PD:	25		
	Partial Ballots: 0.642857 0.357143	0.357143 0.464286	0.857143 0.428571	1 0.607143	Σ (PB):	4.714286		
	Weighted Ballots: 2.846939 1.581633	1.951531 2.53699	3.489796 1.744898	2.178571 1.322704	Σ (WB):	17.65306		

2013 Macalester Trials

1115 Carleton	Drake A		Minnesota C		Minnesota-Duluth		Hamline C		Record:	4		
	1122	5.321429	1013	4.321429	1279	1.035714	1610	2.75	CS:	12		
	Point Differential:		-13	-12	-11	-1	+12	+8	+6	+3	PD:	-8
	Partial Ballots:		0.035714	0.071429	0.107143	0.464286	0.928571	0.785714	0.714286	0.607143	Σ (PB):	3.714286
	Weighted Ballots:		0.190051	0.380102	0.46301	2.006378	0.961735	0.813776	1.964286	1.669643	Σ (WB):	8.44898
1122 Drake A	Carleton		St. Thomas B		Grinnell B		St. Olaf A		Record:	6		
	1115	3.714286	1165	3.964286	1490	4.214286	1555	5.678571	CS:	18		
	Point Differential:		+13	+12	+18	+2	+6	+3	-10	-3	PD:	41
	Partial Ballots:		0.964286	0.928571	1	0.571429	0.714286	0.607143	0.142857	0.392857	Σ (PB):	5.321429
	Weighted Ballots:		3.581633	3.44898	3.964286	2.265306	3.010204	2.558673	0.811224	2.230867	Σ (WB):	21.87117
1123 Drake B	St. Thomas A		Macalester B		Minnesota B		Luther A		Record:	5.5		
	1164	3.607143	1043	4.642857	1012	5.178571	1083	3.928571	CS:	19.5		
	Point Differential:		+13	+13	+2	0	+2	-5	+3	-4	PD:	24
	Partial Ballots:		0.964286	0.964286	0.571429	0.5	0.571429	0.321429	0.607143	0.357143	Σ (PB):	4.857143
	Weighted Ballots:		3.478316	3.478316	2.653061	2.321429	2.959184	1.664541	2.385204	1.403061	Σ (WB):	20.34311
1124 Drake C	Minnesota A		Macalester C		Hamline A		St. Thomas B		Record:	6		
	1011	5.464286	1044	4.428571	1608	3.821429	1165	3.964286	CS:	17.5		
	Point Differential:		+3	-16	+3	-1	+10	+4	+23	+10	PD:	36
	Partial Ballots:		0.607143	0	0.607143	0.464286	0.857143	0.642857	1	0.857143	Σ (PB):	5.035714
	Weighted Ballots:		3.317602	0	2.688776	2.056122	3.27551	2.456633	3.964286	3.397959	Σ (WB):	21.15689
1164 St. Thomas A	Drake B		Wisconsin-Parkside		Macalester C		Hamline B		Record:	5		
	1123	4.857143	1611	1.5	1044	4.428571	1609	3.857143	CS:	13.5		
	Point Differential:		-13	-13	+8	+5	+2	+2	+1	-3	PD:	-11
	Partial Ballots:		0.035714	0.035714	0.785714	0.678571	0.571429	0.571429	0.535714	0.392857	Σ (PB):	3.607143
	Weighted Ballots:		0.173469	0.173469	1.178571	1.017857	2.530612	2.530612	2.066327	1.515306	Σ (WB):	11.18622
1165 St. Thomas B	Wisconsin-Superior C		Drake A		Wisconsin-Superior B		Drake C		Record:	4		
	1003	3.321429	1122	5.321429	1002	3.214286	1124	5.035714	CS:	18		
	Point Differential:		+10	+7	-18	-2	+17	+8	-23	-10	PD:	-11
	Partial Ballots:		0.857143	0.75	0	0.428571	1	0.785714	0	0.142857	Σ (PB):	3.964286
	Weighted Ballots:		2.846939	2.491071	0	2.280612	3.214286	2.52551	0	0.719388	Σ (WB):	14.07781
1174 Bemidji State	Wisconsin-Parkside		Macalester A		Grinnell A		Wisconsin-Superior C		Record:	3		
	1611	1.5	1042	5.857143	1489	4.071429	1003	3.321429	CS:	15		
	Point Differential:		+36	+19	-17	-11	-4	-4	+4	-15	PD:	8
	Partial Ballots:		1	1	0	0.107143	0.357143	0.357143	0.642857	0	Σ (PB):	3.464286
	Weighted Ballots:		1.5	1.5	0	0.627551	1.454082	1.454082	2.135204	0	Σ (WB):	8.670918

2013 Macalester Trials

1271 St. John's/St. Ben's A	Nebraska		Hamline C		Hamline B		Wisconsin-Parkside		Record:	3
	1450	4.642857	1610	2.75	1609	3.857143	1611	1.5	CS:	11.5
	-10	-3	+6	-1	-4	-4	+33	+7	PD:	24
	0.142857	0.392857	0.714286	0.464286	0.357143	0.357143	1	0.75	Σ(PB):	4.178571
Weighted Ballots:	0.663265	1.82398	1.964286	1.276786	1.377551	1.377551	1.5	1.125	Σ(WB):	11.10842
1279 Minnesota-Duluth	Macalester B		Luther B		Carleton		Iowa State		Record:	0
	1043	4.642857	1084	5.357143	1115	3.714286	1374	3.964286	CS:	17
	-26	-6	-17	-11	-12	-8	-9	-9	PD:	-98
	0	0.285714	0	0.107143	0.071429	0.214286	0.178571	0.178571	Σ(PB):	1.035714
Weighted Ballots:	0	1.326531	0	0.57398	0.265306	0.795918	0.707908	0.707908	Σ(WB):	4.377551
1343 UW-LaCrosse A	Hamline A		Hamline B		Hamline C		Macalester C		Record:	3
	1608	3.821429	1609	3.857143	1610	2.75	1044	4.428571	CS:	12
	-11	-1	+15	-2	+6	+4	-12	-6	PD:	-7
	0.107143	0.464286	1	0.428571	0.714286	0.642857	0.071429	0.285714	Σ(PB):	3.714286
Weighted Ballots:	0.409439	1.774235	3.857143	1.653061	1.964286	1.767857	0.316327	1.265306	Σ(WB):	13.00765
1344 UW-LaCrosse B	St. Catherine		Grinnell A		Wisconsin-Parkside		St. John's/St. Ben's C		Record:	2
	1401	2.535714	1489	4.071429	1611	1.5	1579	3.535714	CS:	9.5
	-11	-5	-14	-9	+4	+4	-15	-6	PD:	-52
	0.107143	0.321429	0	0.178571	0.642857	0.642857	0	0.285714	Σ(PB):	2.178571
Weighted Ballots:	0.271684	0.815051	0	0.727041	0.964286	0.964286	0	1.010204	Σ(WB):	4.752551
1374 Iowa State	Minnesota B		St. John's/St. Ben's B		St. John's/St. Ben's C		Minnesota-Duluth		Record:	4
	1012	5.178571	1578	2.178571	1579	3.535714	1279	1.035714	CS:	10.5
	-18	0	-4	-3	+2	0	+9	+9	PD:	-5
	0	0.5	0.357143	0.392857	0.571429	0.5	0.821429	0.821429	Σ(PB):	3.964286
Weighted Ballots:	0	2.589286	0.778061	0.855867	2.020408	1.767857	0.850765	0.850765	Σ(WB):	9.71301
1401 St. Catherine	UW-LaCrosse B		St. Olaf A		Luther B		St. Olaf B		Record:	2
	1344	2.178571	1555	5.678571	1084	5.357143	1556	4.071429	CS:	17.5
	+11	+5	-16	-11	-16	-4	-12	-2	PD:	-45
	0.892857	0.678571	0	0.107143	0	0.357143	0.071429	0.428571	Σ(PB):	2.535714
Weighted Ballots:	1.945153	1.478316	0	0.608418	0	1.913265	0.290816	1.744898	Σ(WB):	7.980867
1450 Nebraska	St. John's/St. Ben's A		Hamline A		Luther A		Wisconsin-Superior A		Record:	6.5
	1271	4.178571	1608	3.821429	1083	3.928571	1001	5.678571	CS:	16.5
	+10	+3	+6	+3	+8	+2	-15	0	PD:	17
	0.857143	0.607143	0.714286	0.607143	0.785714	0.571429	0	0.5	Σ(PB):	4.642857
Weighted Ballots:	3.581633	2.53699	2.729592	2.320153	3.086735	2.244898	0	2.839286	Σ(WB):	19.33929

2013 Macalester Trials

1489 Grinnell A	St. Olaf A		UW-LaCrosse B		Bemidji State		Luther B		Record:	5		
	1555	5.678571	1344	2.178571	1174	3.464286	1084	5.357143	CS:	16		
	Point Differential:		-10	-8	+14	+9	+4	+4	+3	-16	PD:	0
	Partial Ballots:		0.142857	0.214286	1	0.821429	0.642857	0.642857	0.607143	0	Σ (PB):	4.071429
Weighted Ballots:		0.811224	1.216837	2.178571	1.789541	2.227041	2.227041	3.252551	0	Σ (WB):	13.70281	
1490 Grinnell B	St. John's/St. Ben's C		Wisconsin-Superior A		Drake A		Minnesota A		Record:	4		
	1579	3.535714	1001	5.678571	1122	5.321429	1011	5.464286	CS:	20.5		
	Point Differential:		+14	+11	+7	+5	-6	-3	-12	-10	PD:	6
	Partial Ballots:		1	0.892857	0.75	0.678571	0.285714	0.392857	0.071429	0.142857	Σ (PB):	4.214286
Weighted Ballots:		3.535714	3.156888	4.258929	3.853316	1.520408	2.090561	0.390306	0.780612	Σ (WB):	19.58673	
1555 St. Olaf A	Grinnell A		St. Catherine		Macalester A		Drake A		Record:	6		
	1489	4.071429	1401	2.535714	1042	5.857143	1122	5.321429	CS:	20		
	Point Differential:		+10	+8	+16	+11	-6	-3	+10	+3	PD:	49
	Partial Ballots:		0.857143	0.785714	1	0.892857	0.285714	0.392857	0.857143	0.607143	Σ (PB):	5.678571
Weighted Ballots:		3.489796	3.19898	2.535714	2.264031	1.673469	2.30102	4.561224	3.230867	Σ (WB):	23.2551	
1556 St. Olaf B	St. John's/St. Ben's B		Minnesota B		St. Norbert		St. Catherine		Record:	4.5		
	1578	2.178571	1012	5.178571	1085	4.714286	1401	2.535714	CS:	14		
	Point Differential:		+14	0	-12	-6	+2	-10	+12	+2	PD:	2
	Partial Ballots:		1	0.5	0.071429	0.285714	0.571429	0.142857	0.928571	0.571429	Σ (PB):	4.071429
Weighted Ballots:		2.178571	1.089286	0.369898	1.479592	2.693878	0.673469	2.354592	1.44898	Σ (WB):	12.28827	
1578 St. John's/St. Ben's B	St. Olaf B		Iowa State		Wisconsin-Superior A		St. Norbert		Record:	2.5		
	1556	4.071429	1374	3.964286	1001	5.678571	1085	4.714286	CS:	18		
	Point Differential:		-14	0	+4	+3	-28	-13	-19	-3	PD:	-70
	Partial Ballots:		0	0.5	0.642857	0.607143	0	0.035714	0	0.392857	Σ (PB):	2.178571
Weighted Ballots:		0	2.035714	2.548469	2.406888	0	0.202806	0	1.852041	Σ (WB):	9.045918	
1579 St. John's/St. Ben's C	Grinnell B		Wisconsin-Superior C		Iowa State		UW-LaCrosse B		Record:	2.5		
	1490	4.214286	1003	3.321429	1374	3.964286	1344	2.178571	CS:	13		
	Point Differential:		-14	-11	-5	-1	-2	0	+15	+6	PD:	-12
	Partial Ballots:		0	0.107143	0.321429	0.464286	0.428571	0.5	1	0.714286	Σ (PB):	3.535714
Weighted Ballots:		0	0.451531	1.067602	1.542092	1.69898	1.982143	2.178571	1.556122	Σ (WB):	10.47704	
1608 Hamline A	UW-LaCrosse A		Nebraska		Drake C		Wisconsin-Superior B		Record:	3		
	1343	3.714286	1450	4.642857	1124	5.035714	1002	3.214286	CS:	18.5		
	Point Differential:		+11	+1	-6	-3	-10	-4	+7	-1	PD:	-5
	Partial Ballots:		0.892857	0.535714	0.285714	0.392857	0.142857	0.357143	0.75	0.464286	Σ (PB):	3.821429
Weighted Ballots:		3.316327	1.989796	1.326531	1.82398	0.719388	1.798469	2.410714	1.492347	Σ (WB):	14.87755	

2013 Macalester Trials

1609 Hamline B	Luther A		UW-LaCrosse A		St. John's/St. Ben's A		St. Thomas A		Record:	4	
	1083	3.928571	1343	3.714286	1271	4.178571	1164	3.607143	CS:	16	
	-1	-1	+2	-15	+4	+4	+3	-1	PD:	-5	
	0.464286	0.464286	0.571429	0	0.642857	0.642857	0.607143	0.464286	Σ (PB):	3.857143	
Weighted Ballots:		1.82398	1.82398	2.122449	0	2.686224	2.686224	2.190051	1.674745	Σ (WB):	15.00765
1610 Hamline C	Wisconsin-Superior B		St. John's/St. Ben's A		UW-LaCrosse A		Carleton		Record:	1	
	1002	3.214286	1271	4.178571	1343	3.714286	1115	3.714286	CS:	13	
	-7	-4	+1	-6	-6	-4	-6	-3	PD:	-35	
	0.25	0.357143	0.535714	0.285714	0.285714	0.357143	0.285714	0.392857	Σ (PB):	2.75	
Weighted Ballots:		0.803571	1.147959	2.23852	1.193878	1.061224	1.326531	1.061224	1.459184	Σ (WB):	10.29209
1611 Wisconsin-Parkside	Bemidji State		St. Thomas A		UW-LaCrosse B		St. John's/St. Ben's A		Record:	0	
	1174	3.464286	1164	3.607143	1344	2.178571	1271	4.178571	CS:	13	
	-36	-19	-8	-5	-4	-4	-33	-7	PD:	-116	
	0	0	0.214286	0.321429	0.357143	0.357143	0	0.25	Σ (PB):	1.5	
Weighted Ballots:		0	0	0.772959	1.159439	0.778061	0.778061	0	1.044643	Σ (WB):	4.533163

2013 Macalester Trials

Mac Rankings				
<i>Rank</i>	<i>#</i>	<i>Team</i>	<i>Wins</i>	$\Sigma(WB)$
1	1042	Macalester A	7	28.028
2	1011	Minnesota A	6.5	25.236
3	1450	Nebraska	6.5	19.339
4	1555	St. Olaf A	6	23.255
5	1122	Drake A	6	21.871
6	1124	Drake C	6	21.157
7	1012	Minnesota B	5.5	23.452
8	1001	Wisconsin-Superior A	5.5	20.751
9	1123	Drake B	5.5	20.343
10	1013	Minnesota C	5	16.936
11	1083	Luther A	5	15.936
12	1084	Luther B	5	14.307
13	1489	Grinnell A	5	13.703
14	1164	St. Thomas A	5	11.186
15	1556	St. Olaf B	4.5	12.288
16	1490	Grinnell B	4	19.587
17	1044	Macalester C	4	18.584
18	1085	St. Norbert	4	17.653
19	1043	Macalester B	4	15.949
20	1609	Hamline B	4	15.008
21	1165	St. Thomas B	4	14.078
22	1374	Iowa State	4	9.713
23	1115	Carleton	4	8.449
24	1608	Hamline A	3	14.878
25	1343	UW-LaCrosse A	3	13.008
26	1003	Wisconsin-Superior C	3	12.096
27	1271	St. John's/St. Ben's A	3	11.108
28	1002	Wisconsin-Superior B	3	10.909
29	1174	Bemidji State	3	8.671
30	1579	St. John's/St. Ben's C	2.5	10.477
31	1578	St. John's/St. Ben's B	2.5	9.046
32	1401	St. Catherine	2	7.981
33	1344	UW-LaCrosse B	2	4.753
34	1610	Hamline C	1	10.292

Sabermetric Rankings				
<i>Rank</i>	<i>#</i>	<i>Team</i>	$\Sigma(WB)$	$\Sigma(PB)$
1	1042	Macalester A	28.028	5.857
2	1011	Minnesota A	25.236	5.464
3	1012	Minnesota B	23.452	5.179
4	1555	St. Olaf A	23.255	5.679
5	1122	Drake A	21.871	5.321
6	1124	Drake C	21.157	5.036
7	1001	Wisconsin-Superior A	20.751	5.679
8	1123	Drake B	20.343	4.857
9	1490	Grinnell B	19.587	4.214
10	1450	Nebraska	19.339	4.643
11	1044	Macalester C	18.584	4.429
12	1085	St. Norbert	17.653	4.714
13	1013	Minnesota C	16.936	4.321
14	1043	Macalester B	15.949	4.643
15	1083	Luther A	15.936	3.929
16	1609	Hamline B	15.008	3.857
17	1608	Hamline A	14.878	3.821
18	1084	Luther B	14.307	5.357
19	1165	St. Thomas B	14.078	3.964
20	1489	Grinnell A	13.703	4.071
21	1343	UW-LaCrosse A	13.008	3.714
22	1556	St. Olaf B	12.288	4.071
23	1003	Wisconsin-Superior C	12.096	3.321
24	1164	St. Thomas A	11.186	3.607
25	1271	St. John's/St. Ben's A	11.108	4.179
26	1002	Wisconsin-Superior B	10.909	3.214
27	1579	St. John's/St. Ben's C	10.477	3.536
28	1610	Hamline C	10.292	2.750
29	1374	Iowa State	9.713	3.964
30	1578	St. John's/St. Ben's B	9.046	2.179
31	1174	Bemidji State	8.671	3.464
32	1115	Carleton	8.449	3.714
33	1401	St. Catherine	7.981	2.536
34	1344	UW-LaCrosse B	4.753	2.179

2013 Macalester Trials

35	1611	Wisconsin-Parkside	0	4.533
36	1279	Minnesota-Duluth	0	4.378

35	1611	Wisconsin-Parkside	4.533	1.500
36	1279	Minnesota-Duluth	4.378	1.036

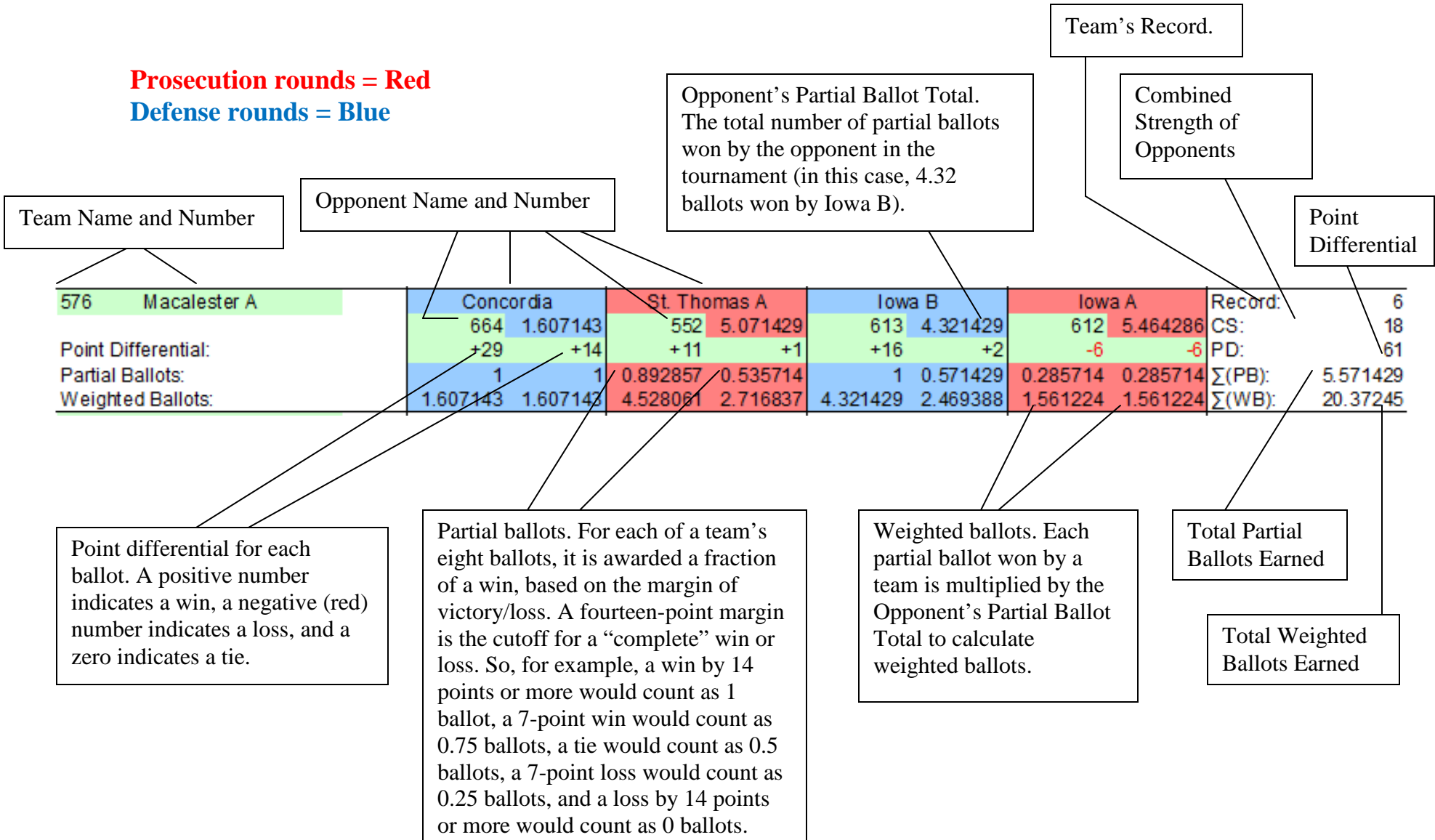
Traditional Rankings						
<i>Rank</i>	<i>#</i>	<i>Team</i>	<i>Wins</i>	<i>CS</i>	<i>PD</i>	
1	1042	Macalester A	7	19.5	+62	
2	1011	Minnesota A	6.5	18	+43	
3	1450	Nebraska	6.5	16.5	+17	
4	1555	St. Olaf A	6	20	+49	
5	1122	Drake A	6	18	+41	
6	1124	Drake C	6	17.5	+36	
7	1012	Minnesota B	5.5	21	+37	
8	1123	Drake B	5.5	19.5	+24	
9	1001	Wisconsin-Superior A	5.5	18	+62	
10	1083	Luther A	5	19	-2	
11	1013	Minnesota C	5	16.5	+14	
12	1489	Grinnell A	5	16	0	
13	1084	Luther B	5	14	+38	
14	1164	St. Thomas A	5	13.5	-11	
15	1556	St. Olaf B	4.5	14	+2	
16	1490	Grinnell B	4	20.5	+6	
17	1044	Macalester C	4	18	+12	
18	1165	St. Thomas B	4	18	-11	
19	1085	St. Norbert	4	17.5	+25	
20	1043	Macalester B	4	17	+30	
21	1609	Hamline B	4	16	-5	
22	1115	Carleton	4	12	-8	
23	1374	Iowa State	4	10.5	-5	
24	1608	Hamline A	3	18.5	-5	
25	1174	Bemidji State	3	15	+8	
26	1003	Wisconsin-Superior C	3	14.5	-23	
27	1002	Wisconsin-Superior B	3	13	-25	
28	1343	UW-LaCrosse A	3	12	-7	
29	1271	St. John's/St. Ben's A	3	11.5	+24	
30	1578	St. John's/St. Ben's B	2.5	18	-70	
31	1579	St. John's/St. Ben's C	2.5	13	-12	
32	1401	St. Catherine	2	17.5	-45	
33	1344	UW-LaCrosse B	2	9.5	-52	
34	1610	Hamline C	1	13	-35	

2013 Macalester Trials

35	1279	Minnesota-Duluth	0	17	-98
36	1611	Wisconsin-Parkside	0	13	-116

How to Read a Sabermetric Tab Summary

Prosecution rounds = Red
Defense rounds = Blue



How are Weighted Ballots Calculated?

Above, you'll find a rundown of what kind of information is included in a Sabermetric Tab Summary. Now let's talk about how the Weighted Ballots tiebreaker is calculated.

Rather than looking at things through the binary lens of wins-or-losses, the Weighted Ballots System looks at partial ballots. For every ballot a team wins *or loses*, it receives a fraction of a win. If the team wins in a blowout, they get a full ballot; if the team loses in a blowout, it gets zero ballots. If the round isn't a blowout, then both teams will get a fraction of a ballot. Generally speaking, a moderate win is worth three-quarters of a ballot, and a moderate loss is worth a quarter of a ballot. A tie is always worth half a ballot.

What constitutes a "full victory" or a "full loss" is discretionary. For this tournament, I've used +/- 14 points as the cutoff for a full victory or loss. My thinking is that if you outscore your opponent by an average of at least 1 point on every component of a trial, you deserve the full ballot.

576	Macalester A	Concordia		St. Thomas A		Iowa B		Iowa A		Record:	6
		664	1.607143	552	5.071429	613	4.321429	612	5.464286	CS:	18
	Point Differential:	+29	+14	+11	+1	+16	+2	-6	-6	PD:	61
	Partial Ballots:	1	1	0.892857	0.535714	1	0.571429	0.285714	0.285714	Σ(PB):	5.571429
	Weighted Ballots:	1.607143	1.607143	4.528061	2.716837	4.321429	2.469388	1.561224	1.561224	Σ(WB):	20.37245

So looking at Macalester A's performance at the 2010 Mac II Invitational, you can see that Macalester beat its first-round opponent by at least 14 points on each ballot, entitling it to two full ballots. In the second round it didn't meet that 14-point threshold, meaning it only earned two fractions of a ballot. And in the fourth round, Macalester A was handed two moderate losses, meaning it received about a quarter of a ballot from each judge.

After you've calculated the partial ballots won by a team, you still have to account for the strength of that team's opponents. This is done by multiplying each partial ballot earned by a team by the number of partial ballots won at the tournament by the team's opponent in that round. So, for Macalester A, the calculation would be $(1*1.607) + (1*1.607) + (0.893*5.071) + (0.536*5.071) + (1*4.321) + (0.571*4.321) + (0.286*6.071) +$

(0.286*6.071). By doing this, you get the total number of “weighted ballots” won by a team at the tournament. For Macalester A at the 2010 Mac II Invitational, that number is 20.37 weighted ballots.

On the back page of the sabermetric summary, there are two tables ranking all of the teams competing at the tournament. The tables for the 2010 Macalester II Invitational look like this:

Mac Rankings				
Rank	#	Team	Wins	$\Sigma(WB)$
1	502	Minnesota A	7	23.313
2	612	Iowa A	6.5	24.781
3	577	Macalester B	6	20.591
4	576	Macalester A	6	20.372
5	552	St. Thomas A	5.5	21.643
6	500	Minnesota B	5.5	21.014
7	613	Iowa B	5	18.533
8	493	Wisconsin-Superior A	5	12.362
9	740	Minnesota-Duluth	5	6.869
10	501	Minnesota C	4	18.367
11	578	Macalester C	4	15.046
12	877	South Dakota B	4	12.926
13	488	Drake A	4	7.879
14	876	South Dakota A	3.5	18.337
15	880	Iowa State	3.5	14.764
16	768	Hamline	3.5	10.971
17	489	Drake B	3	13.526
18	200	St. Cate's	3	5.819
19	682	St. Olaf	2	6.792
20	553	St. Thomas B	1	10.921
21	664	Concordia	1	6.372
22	492	Wisconsin-Superior B	0	0.480

Sabermetric Rankings				
Rank	#	Team	$\Sigma(WB)$	$\Sigma(PB)$
1	612	Iowa A	24.781	5.464
2	502	Minnesota A	23.313	6.214
3	552	St. Thomas A	21.643	5.071
4	500	Minnesota B	21.014	4.750
5	577	Macalester B	20.591	4.821
6	576	Macalester A	20.372	5.571
7	613	Iowa B	18.533	4.321
8	501	Minnesota C	18.367	3.821
9	876	South Dakota A	18.337	4.429
10	578	Macalester C	15.046	3.857
11	880	Iowa State	14.764	4.000
12	489	Drake B	13.526	4.143
13	877	South Dakota B	12.926	3.179
14	493	Wisconsin-Superior A	12.362	5.143
15	768	Hamline	10.971	3.393
16	553	St. Thomas B	10.921	2.143
17	488	Drake A	7.879	4.679
18	740	Minnesota-Duluth	6.869	4.571
19	682	St. Olaf	6.792	3.357
20	664	Concordia	6.372	1.607
21	200	St. Cate's	5.819	3.321
22	492	Wisconsin-Superior B	0.480	0.143

On the left, you can see the teams ranked first by record, and then for teams whose records are tied, by weighted ballots. This table reflects how the teams finished at the tournament, since the Mac II tournament uses weighted ballots earned as its tiebreaker. On the right, the teams are ranked purely by weighted ballots. A third table also shows how the teams would have finished under AMTA’s traditional tiebreaker system.