SUPPLEMENTAL ONLINE APPENDIX

Round	Dictatorship (D)			Simple Majority (M)				Unanimity (U)				
	n	Avg	Mdn	SE	n	Avg	Mdn	SE	n	Avg	Mdn	SE
1	60	14.00	18.75	0.91	60	15.52	20.00	0.87	60	18.50	20.00	0.66
2	57	22.50	26.25	2.04	54	27.93	26.83	1.46	54	33.17	40.00	1.43
3	51	26.08	28.75	2.91	36	34.98	35.83	1.90	36	41.24	40.00	1.92
4	45	23.84	15.00	3.83	24	38.56	36.67	3.57	27	46.76	45.00	2.40
5	33	19.92	15.25	3.81	21	42.79	35.00	5.15	21	50.64	47.50	2.78
6	24	25.48	23.00	4.67	18	40.93	35.00	5.84	15	54.90	52.50	4.60
7	18	25.92	16.25	6.20	6	52.17	29.00	18.40	15	57.32	55.00	5.73
8	12	22.15	20.00	6.98	6	57.72	35.17	17.47	12	57.92	60.00	4.52
9	12	21.21	15.00	6.93	6	54.78	32.67	20.87	6	58.54	63.13	6.82
10	12	22.15	12.50	7.34	3	54.55	30.33	24.96	6	58.75	63.13	6.88

Additional Tables

Table 9: Summary statistics of public good stocks per round, all treatments.

Round	D vs. U	M vs. U	D vs. M
1	0.0001	0.0037	0.0572
2	0.0000	0.0059	0.0165
3	0.0002	0.0272	0.0064
4	0.0000	0.0327	0.0033
5	0.0000	0.0976	0.0001
6	0.0001	0.0359	0.0233
7	0.0009	0.3994	0.1155
8	0.0008	0.4956	0.0613
9	0.0037	0.5661	0.0909
10	0.0059	0.5531	0.1850

Table 10: P-values of t-tests on the equality of public good stock averages.



Figure 1: Distribution of realized matches' length, all treatments.

Final Round	#Matches				
	D	\mathbf{M}	\mathbf{U}	All	
1	1	2	2	5	
2	2	6	6	14	
3	2	4	3	9	
4	4	1	2	7	
5	3	1	2	6	
6	2	4	0	6	
7	2	0	2	4	
8	0	0	1	1	
9	0	1	0	1	
10	2	1	1	4	
11	2	0	0	2	
12	0	0	0	0	
13	0	0	1	1	

Table 11: Distribution of realized matches' length, all treatments.

Experiment Instructions and Sample Screenshot

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This is an experiment in committee decision making. The experiment will take place over a sequence of 10 matches. We begin the match by dividing you into THREE committees of five members each. Each of you is assigned to exactly one of these committees. In each match your committee will make budget decisions by simple majority over a sequence of several rounds.

A1 + A2 + A3 + A4 + A5 + P = 80

[SHOW SLIDE]

In each round your committee has a budget of 80 francs. Your committee must decide how to divide this budget into six categories, in integer amounts: The first five categories are the private allocations and they always have to be greater than or equal to 0. The sixth category is for investment in a project and it can be either positive, zero, or negative If your committees budget decision is (A1, A2, A3, A4, A5, P), then A1 frances go directly to member 1s earnings, A2 to member 2, and A3 to member 3 and so on. The project investment produces earnings for all committee members in the following way.

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The total number of rounds in a match will depend on the rolling of a fair 8-sided die. When the first round ends, we roll it to decide whether to move on to the second round. If the die comes up a 1 or a 2 we do not go on to round 2, and the match is over. Otherwise, we continue to the next round. We continue to more rounds, until a 1 or a 2 is rolled at the end of a round and the match ends. At the end of each round your earnings for that round are computed by adding the project earnings to your private allocation. For example, if your private allocation is 2 and the end-of-round project size is 9, then your earnings for that round equal 2 + 4*sqrt(9) = 2+4*3 = 14 Your earnings for the match equal the sum of the earnings in all rounds of that match.

After the first match ends, we move to match 2. In this new match, you are reshuffled randomly into three new committees of five members each. The project size in your new committee again starts out at 0. The match then proceeds the same way as match 1. After match 10, the experiment is over. Your total earnings for the experiment are the sum of your earnings over all rounds and all matches.

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As a visual aid, there is a graph on the left that shows exactly how project earnings will depend on project size. The current size of the project is marked with a large dot. If your committee decides to invest nothing this period, then this will be the size that determines your project earnings at the end of the round. You can use your mouse to move the curser along the curve to figure out what your earnings will be for different levels of investment. Also, if you type in a budget amount in the Project box, the computer will compute and display the corresponding project earnings for you just below the box. Take a minute to practice using your curser to move along the curve, and typing in different possible investment levels for the Project. But do not hit the confirm button yet.

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A vote is now taken between the Proposed Budget and an alternative, called the Backup Budget, which has zero investment in the project. The backup budget is always (16,16,16,16,16,0) in every round for every committee. On your screen you can see a table listing the proposed budget and the backup budget, and how the allocation is distributed under each. The decision between budgets is made by majority rule. Therefore the proposed budget passes if and only if it receives two votes. Otherwise, it fails, and the backup budget is implemented. To vote to accept the Proposed Budget, click on the yes button; to reject it, click on the no button. Please go ahead and vote now.

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Since this is a practice match, we will not roll a die after the second round, and the practice match will end. During the paid matches, each match will continue until the die comes up a 1 or a 2.

[SHOW SUMMARY SLIDE]

Now we are ready for the comprehension quiz. Everyone must answer all the questions correctly before we go to the paid matches. The quiz has three pages. You must answer all the questions on Page 1 of the quiz to proceed to Page 2, and you must answer all the questions on Page 2 of the quiz to proceed to Page 3. If you answer any of the questions on a page incorrectly, you will be asked to try again. Please raise your hand if you have any questions during the quiz, and we will come to your desk and answer your question in private.

SAMPLE COMPREHENSION QUIZ

Q: For a budget proposal, what do A1, A2, A3, A4, A5, and P have to add up to? A. 20

- B. 30
- C. 70
- D. 80

Q: Your Provisional Budget Proposal will always be selected as the Proposed Budget.

A. True

B. False. It will be the Proposed Budget only when you are chosen randomly by the computer to be the Proposer, which will happen about 1/5 of the time.

Q: There are two rounds in each match.

A. True

B. False. There are ten rounds in each match.

C. False. The number of rounds in each match depends on the roll of the die.

Q: The level of the project at the beginning of the round is 10. What is the maximum that you can allocate to private allocations (A1+A2+A3+A4+A5) in your Budget Proposal? Remember that if the project size is greater than 0 you can propose a negative P and that A1+A2+A3+A4+A5+P has always to be equal to 80.

- A. 10
- B. 80
- C. 90

Q: The Backup Budget is the same in every round of a match.

A. True, it is always (16,16,16,16,16: 0).

B. False, it changes each round.

Q: Your committee member number stays the same throughout the experiment.

A. True

B. False. Your committee member number stays the same in every round of a match, but may be reassigned for new matches.

Q: How many members are there in your committee?

A. 1

B. 2

- C. 5
- D. 4

Q: The ending project size in round 2 of a match is carried over and becomes the beginning project size in round 3 of that match.

A. True

B. False. Only 75 percent of the project size is carried over to the next round.

C. False

Q: You are reshuffled into a different committee for each round.

A. True

B. False. You are in the same committee for all rounds of a match.

Q: The committee decision is always the Proposed Budget.

A. True

B. False. The committee decision is the Proposed Budget or the Backup Budget depending on whether everyone votes in favor of the Proposed Budget or not.

Q: Suppose the beginning project size is 9, the Proposed Budget in your committee is (5,11,15,10,12: 27), and the Proposed Budget receives three votes. What are your earnings for that period if you are committee member 1?

- A. 0
- B. 17
- C. 29
- D. 27
- E. 5
- F. 24

G. Not enough information to answer.

Q: Suppose the beginning project size is 9, the Proposed Budget in your committee is (5,11,15,10,12: 27), and the Proposed Budget receives five votes. What are your earnings for that period if you are committee member 1?

- A. 0
- B. 17
- C. 29
- D. 27
- E. 5
- F. 24
- G. Not enough information to answer.



Figure 2: U Treatment, Sample Screen for Proposal Stage



Figure 3: U Treatment, Sample Screen for Voting Stage



Figure 4: U Treatment, Sample Screen for Voting Outcome