

Jared, Barbara and Fred are collaborators on a paper, each at separate institutions. In the initial stages of the work all three share ideas and contribute, but at some point Fred quits responding to emails and contributing. Jared and Barbara complete the work, including extensive modifications and generalizations of the main results. When the paper is nearly complete, Fred sends an email and asks how the paper is coming along. He vaguely indicates that it is important that he be an author on the paper. He has clearly done very little toward the final product, though some of the initial ideas originated from his collaboration. Jared and Barbara can choose to submit the paper with two authors or three. What should they do?

1. Submit the paper with two authors and tell Fred that they look forward to working more closely with him on the next paper.
2. Submit the paper with two authors and put in an acknowledgement of Fred in the concluding remarks of the paper.
3. Submit the paper with three authors.
4. Submit the paper with three authors, but tell Fred that he is responsible for any revisions that the paper may need.
5. Other?