Acrylonitrile was found to add readily to the pyrrolidine enamine of cyclopentanone (57) in an analogous fashion to give a 27 per cent yield of 2,5-cyclopentanone-dipropionitrile (58) and a small amount of a highly insoluble solid, m.p. 178-179°C., which was not identified. It was found that the yield of 58 could be increased to 66 per cent without formation of the unidentified by-product. This was accomplished by adding the piperidine enamine of cyclopentanone, instead of 57, to an excess of acrylonitrile (reversal of the usual order of addition). The