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EVOLUTION OF STERILE CASTES IN THE SOCIAL INSECTS: KIN SELECTION OR PARENTAL MANIPULATION?—(Note) “If a (hymenopteran) female is fertilized by only 1 male all the sperm she receives is genetically identical. Thus, although the relationship of a mother to her daughters has the normal value of 1/2, the relationship between daughters is 3/4. . . other things being equal, (a newly adult daughter would prefer) returning to her mother’s (nest) and provisioning a cell for the rearing of an extra sister to provisioning a cell for a daughter of her own. From this point of view therefore it seems not surprising that social life appears to have had several independent origins in this group of insects . . .” (W. D. Hamilton, *J. Theoret. Biol.* 7:1-16; 17-52, 1964).

BUT

If a monogamous mother
 Queen bee’s daughter
 Always would rather
 Help her mother
 Raise up other
 Sister’s because they’re
 Three-fourths like her,
 Then must we mourn her
 Poor queen daughter
 Molded by mother
 To rear only another
 Mere queen daughter
 Half like her?

And if the hymenop mater
 Is a manipulator
 Is the termite mother
 Another?

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