ANNEX 10

QUESTIONS FOR SCAR GROUP OF SPECIALISTS ON SEALS

1. What if any species or populations of Antarctic seals might function as useful indicators of local, regional, or area-wide changes in the Antarctic marine ecosystem caused by harvest of krill or other populations of Antarctic marine living resources?

2. What are the factors that should be considered, including the possible use of controlled experiments, in order to determine whether, what, and how selected seal populations might function as indirect indicators of harvest-caused changes in krill or other harvested populations of Antarctic marine living resources?

3. What is the nature and adequacy of existing population data and what are the types of studies that would be required to establish a suitable basis (baseline) for detecting and monitoring changes and trends in potential indicator species and populations?

4. What are the types of long-term monitoring studies, including possible study locations and sampling frequencies (periods), that likely would be most useful for detecting and assessing the possible significance of changes and trends in selected indicator species on populations?

5. What is the possible utility of sighting data or other data that could be collected opportunistically from vessels engaged in fishing or other activities in the Convention Area and, if potentially useful, what are the types of data that should be collected and how should they be recorded and reported to be optimally useful?

6. What is the time that would be required to develop meaningful baselines and to detect different levels of change in selected indicators?

QUESTIONS FOR BIOMASS WORKING PARTY ON BIRD ECOLOGY

1. What if any species or populations of Antarctic birds might function as useful indicators of local, regional, or area-wide changes in the Antarctic marine ecosystem caused by harvest of krill or other populations of Antarctic marine living resources?

2. What are the factors that should be considered by way of ornithological and controlled experiments, in order to determine whether, what, and how selected bird populations might function as indirect indicators of harvest-caused changes in krill or other harvested populations of Antarctic marine living resources?

3. What is the nature and adequacy of existing population data and what are the types of studies that would be required to establish a suitable basis (baseline) for detecting and monitoring changes and trends in potential indicator species and populations?

4. What are the types of long-term monitoring studies, including possible study locations and sampling frequencies, that likely would be most useful for detecting and assessing the possible significance of changes and trends in selected indicator species on populations?

5. What is the possible utility of sighting data or other data that has been and could be collected opportunistically from vessels engaged in fishing or other activities in the Convention Area and, if potentially useful, what are the types of data that should be collected and how should it be recorded and reported to be optimally useful?

6. What is the time that would be required to develop meaningful baselines and to detect different levels of change in selected indicators?