

Some, a team from the Naval Post Graduate School, Monterey, CA, led by Dr. Paquette came on board to conduct a marginal ice project. The project consisted of a series of CTD Casts, many of which were accompanied by NANSEN Casts for quality control purposes. Bottom water samples were taken and salinities run on a 6220 salinometer. The purpose of the project was to find unusual variances of salinity and temperature in relation to depth. The project was successful in that the variances were found, and all casts were completed without problem, with the exception of the "A" frame which was rendered inoperable, due to a leaky seal on the left ram, for the latter portion of the casts. A current meter study was to be conducted in conjunction with this project; however, due to the magnetic field of the ship, the current meter failed to show the direction of the team's current and was therefore useless.

During the latter portion of the voyage, a group from the University of Connecticut conducted a gravity study in the Beaufort Sea. Although the seismic portion of the project was cancelled due to ecological considerations, pertinent data were collected by the use of an air-sea gravity meter. Excepting minor electrical problems, all equipment functioned well.

TABULATED DATA

Surface Weather Observations.....	147
Expendable Bathythermographs.....	32
Ice Observations.....	76
Aerial Ice Reconnaissance.....	0
Barographs.....	7
CTD Stations.....	139
CTD Stations by Helicopter.....	18
NANSEN Casts.....	50
Current Meter Casts.....	4
Facsimile Charts.....	21
Special Weather Observations.....	14