In the Wake of the Astrolabe: Content Analysis of Diaries Maintained by the Leaders and Physicians of French Remote Duty Stations

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Collaborators

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- Peter Suedfeld, PhD
- University of British Columbia

French Remote Duty Stations

 Dumont d'Urville, Terre-Adelie
 Kerguelen Island
 Crozet Island
 Amsterdam Island



Personnel

Four Expedition Leaders Five Expedition Physicians

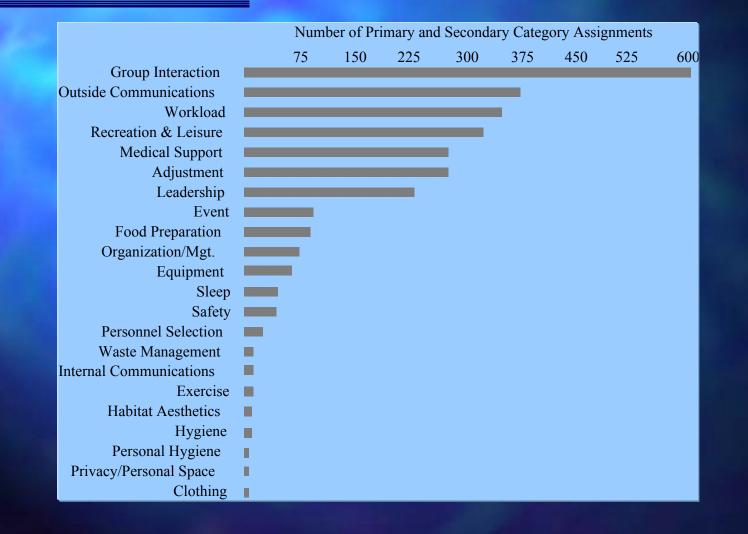




Advantages of Content Analysis

Data are obtained unobtrusively;
The entries demonstrate that subjects are attending to the task;
Large volumes of quantifiable data are generated by the subjects; and,
The subjects benefit from their participation in the activity.

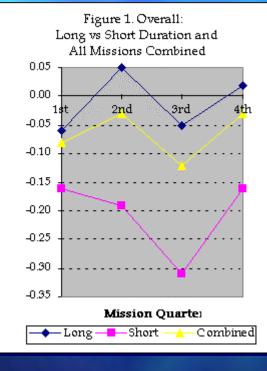
Category Analysis

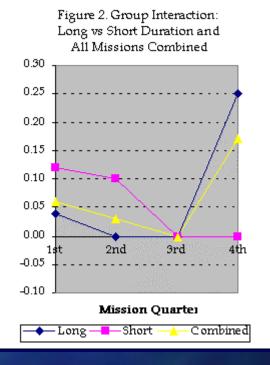


Positive - Negative Analysis

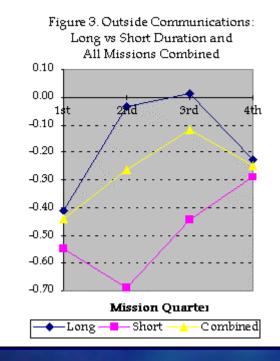
All diary entries were coded as positive (39%), negative (46%), or neutral (15%).
Net Positivity/Negativity Calculated: NPN = pPositive - pNegative
Long vs Short Duration Missions
Antarctic vs Insular Missions
Physicians vs Leaders

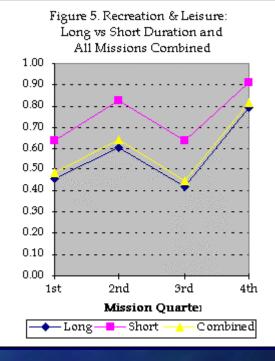
Long vs Short Duration Missions



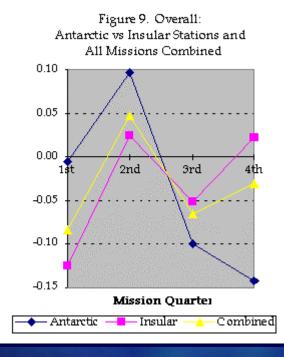


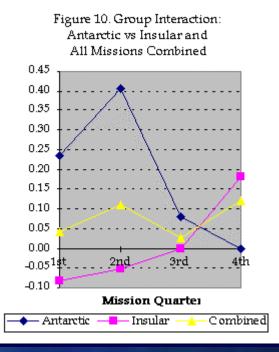
Long vs Short Duration Missions



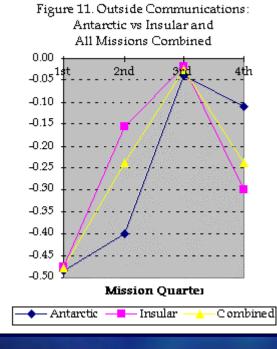


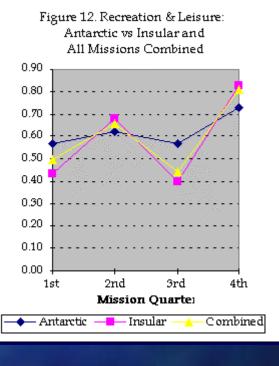
Antarctic vs Insular Missions



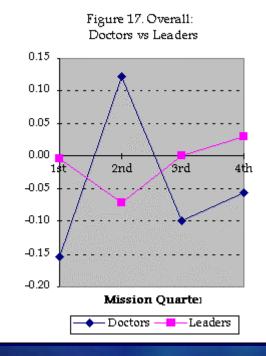


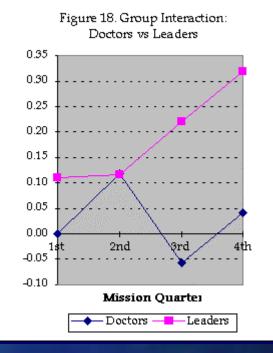
Antarctic vs Insular Missions



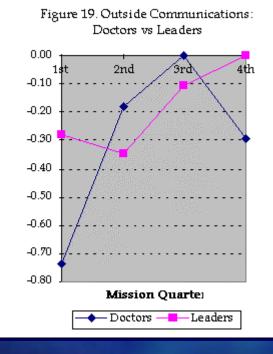


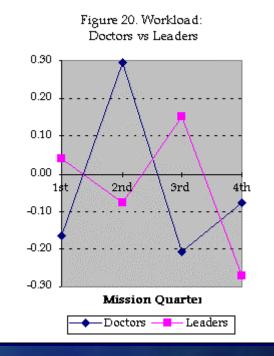
Doctors vs Leaders





Doctors vs Leaders





Positive - Negative Overall

Proportion of Diary Entries

	Duration		Location		Role	
	Long	Short	Antarctic	Insular	Doctors	Leaders
			0.000	0.440	0 100	0 10 1
Positive	0.420	0.316	0.398	0.410	0.408	0.404
Negative	0.435	0.526	0.427	0.452	0.461	0.417
Neutral	0.145	0.157	0.176	0.137	0.132	0.179
Net Pos/Neg*	-0.015	-0.210	-0.029	-0.042	-0.053	-0.013

*Net positivity/negativity = Positive - Negative proportions

Thematic Analysis: Group Interaction

- Interpersonal Conflict
- Celebration/Special Meal Brings Us Together
- Teamwork/Solidarity
- Group Discussion
- Not Fitting In
- Problems with Crew-Relief/Switchover
- Fitting In
- No, Or Resolved Interpersonal Conflict
- Trivial Issues Are Exaggerated
- Withdrawal From the Group