

## Appendix 4: Stores List

To follow is a list of supplies and equipment taken to Cape Adare – British Antarctic Expedition 1898–1900. These were known to have been taken south on the Southern Cross. It is compiled from “To the South Polar Regions”, the Bernacchi collection in the archives of Canterbury Museum, Christchurch and on-site field records.

This provides an indication of the variety of provisions and equipment taken. It does not include the Northern Party (1911)

### Provisions

- 1 ton compressed vegetables
- 1 ton compressed potatoes
- ½ ton compressed tea, coffee and cocoa
- 5 tons bread
- 2,000 cases biscuits (as quoted in the *Daily News* 18 August 1898)
- 3,000 tins cocoa, coffee, chocolate and milk
- 1,300 tins Swiss milk
- ½ ton tobacco
- 300 cases tinned soups and meats
- 8,190 lbs navy bread
- 5,850 lbs beef
- 1,650 lbs preserved beef
- 5,850 lbs pork
- Tinned fish – salmon etc
- Ham
- Tinned plum pudding
- Oatmeal
- Live poultry – 4 dozen ducks, 4 dozen fowls and 6 dozen pigeons
- 1 ton Irish butter
- 1 ton marmalade
- Strength and endurance lozenges
- Lime juice nodules coated with chocolate
- Champagne to drink the health of the South Pole
- Rum for the ‘Jack’

### Miscellaneous Goods

- 12-gauge shotguns
- 12-gauge paradox guns
- .450 calibre Martini Henry ball cartridges
- Lee Metford .303 rifle
- ‘Needle rifle’

- ‘Pee rifle’
- Revolvers
- Explosives
- Leather scabbards
- Explosive bullets

### Transport

- Dogs – 70–90
- Camel hair and jute dog coats
- Fur dog boots
- Dog kennels
- 28 tons Spratts dog biscuits containing 55% fat with cod-liver oil, fish, meat, oatmeal and vegetable, including beetroot
- Norwegian canvas kayaks soaked with seal oil and rubbed with Russian tallow
- One pair Canadian snow-shoes for each man
- Two pairs Norwegian ski and ski sticks for each man
- Manhaul sledges
- Smith’s distance measuring meters

### Tools

- Picks and shovels
- Carpentry tools
- Fuel
- 400 bags coal (10 tons)
- 20 barrels kerosene crystals
- 10 cases kerosene oil and other oils
- One barrel petroleum
- Surveying and Navigation Equipment
- Theodolite and legs
- One six-inch aneroid
- Two flat-watch aneroids calibrated to 10,000 feet
- Pocket compasses
- Artificial mercury horizon
- Artificial glass horizon
- Four-inch azimuth compass
- Chronometers, including two pocket
- One marine chronometer
- One Britannia pattern sextant
- One three-inch sextant
- Two ten-inch Cary London sextants in an artificial mercury horizon
- Ross 3 ½ inch telescope and stand

Two No 4 naval telescopes 2 1/8 inch aperture  
 Two No 6 naval binoculars  
 Four No 1 Naval telescopes  
 Survey chain  
 One star finder  
 Plane table with legs, sight, vane, rule, compass  
 etc  
 Sketching board with protractor, tee square etc

### **Cartographic equipment**

#### **Photographic Equipment**

Kodak 1/4 plate 60 exposure camera, N 3 Regular  
 Newman and Guardian cinematograph camera  
 with two lenses  
 Ross half plate camera  
 Newman and Guardian hand camera 1/4 plate  
 Ross Goetz 8 1/4 inch lense with iris  
 Ross Goetz 6 inch lense  
 Dallmeyer 7 1/2 inch sliigmatic lense  
 Dallmeyer telephoto attachment lense  
 Photographic plates and changing box  
 Fetch films, Barnett plates, Ilford plates,  
 Isochromatic plates, chemicals. The cost of all  
 photographic equipment nearly £170.00.

#### **Scientific Instruments**

Two mercury barometers by "Adie" London (Kew  
 pattern)  
 One barograph – Hicks, London and charts for  
 four years  
 One thermograph – Hicks, London and charts for  
 four years  
 One Board of Trade meteorological screen  
 Maximum thermometer and minimum  
 thermometer – Negretti and Zambra  
 Wet bulb thermometer  
 Four mercury thermometers calibrated to minus 40  
 Two spirit thermometers calibrated to minus 70  
 One Hicks spirit thermometer calibrated to  
 minus 100  
 Mason's hygrometer with dry and wet bulb  
 Two hydrometers  
 One sling thermometer  
 One Deep Sea 'six's' thermometer

Small hypsometer  
 Black-bulb thermometer for solar radiation  
 Campbell-Stokes sunshine recorder with charts  
 for four years  
 Rain gauge  
 Five-inch Snowdon snow gauge  
 Four Robinson anemometers  
 Wind vane  
 Dover and Sons unifilar magnetometer (Kew  
 pattern)  
 Tent nine-foot-square, with copper fittings for  
 magnetic observations  
 Barrow dip circle with Lloyd's needles  
 Dredge for marine specimens  
 Large and small plankton nets  
 Harpoons  
 'Seal pick'  
 Signalling Equipment  
 Brocks flares

#### **Medical Supplies**

Burroughs Welcome compressed drugs  
 'Medical Comforts' – brandy, port, whisky  
 Glycerine for protection against frostbite  
 Chloroform

#### **Miscellaneous**

Norwegian sailing sledge  
 A powerful bird trap  
 Leakey's Patent aluminum kettle  
 500 bamboo poles and bundles with Union Jacks  
 Large Union Jack and Norwegian flags  
 Polar tents of silk and canvas, weighing five  
 pounds  
 Two Lapp tents  
 Klondike stove (Stormount-Murphy Patent)  
 Aluminum cooking apparatus  
 Congo stove  
 52 Primus camping stoves  
 Mess stove for hut (Military Equipment Stores  
 and Tortoise Tents Company Limited)  
 Sledging cooking kit with three enamel plates,  
 nickel-plated fry pan, three containers with  
 lids, two teaspoons, two forks, three drinking  
 cups

Bamboo ladders for crevasses  
 James' folding canvas boats  
 Canvas haversacks  
 Kent knife cleaner  
 Cards, drafts, chess, dominoes  
 Music box  
 Magic lantern

### **Clothing**

After Bernacchi 1901 and based on Louis Bernacchi's diary, experience and Crawford 1998.

Antarctic outfit for one man  
 Jaeger wool clothing  
 One fleece camel hair (wool) suit (unsuitable)  
 One white duffle suit, Hudson Bay pattern, for summer wear  
 12 vests  
 12 shirts  
 12 pants  
 Six pairs fleece shooting gloves (unsuitable)  
 Four cardigan jackets  
 12 pairs stockings  
 Four fleece sleeping bags  
 Four blankets  
 Two pairs slippers, fleece-lined  
 The Jaeger wool clothing is the very best that can be recommended for underwear, but it is absolutely useless as outer clothing, because it allows the wind to penetrate and gathers snow.

### **Fur clothing etc**

One Militza (reindeer skin with fur [hair] turned inwards)  
 One Sovike with hood and gloves (coat with fur [hair] turned outwards) for winter wear  
 One Samoyed young reindeer skin fur [hair] cap (extremely useful). Bernacchi also makes reference to a fox-skin cap  
 Two pairs wolfskin gloves, with gauntlets  
 One reindeer sleeping bag for winter use  
 One brown leather Swedish jacket

One white duffle suit, Hudson Bay pattern, for summer use  
 One pair fur-lined sea boots, leather soles  
 One pair plain rubber boots  
 One pair Erie-cut flannel-lined short boots  
 Three pair sea boot hose  
 Three Lapp komargar; reindeer-skin boots filled with grass (the very best for polar wear)  
 Three pair ski-ing boots (very useful)  
 Two pair long fur boots  
 Two pair Arctic socks for rubber and sea boots  
 Two pair skin stockings  
 Three pair knitted mitts

### **Personal**

For each man. After Bernacchi's diary 1899–1900.  
 Ice axe  
 Alpen stock, steel shod  
 Wallace spade, pick and hammer  
 Bowie knife  
 Pocket knife containing corkscrew, tin opener, cartridge extractor etc  
 Broad leather belt, containing knife, pipe case, compass, whistle, pouch for burning glass, flint and steel, ring for knife  
 Pair snow goggles – leather; native make  
 Pair ordinary glasses  
 Pocket filter  
 Air cushion  
 Low folding chair  
 Aluminum water bottle covered with thick felt and fitted with web sling  
 Small yard measure  
 Housewife (sewing kit) – fitted  
 One pair Canadian snowshoes  
 Evans had his personal telescope  
 Books  
 Spherical and Practical Astronomy by Chauvenet  
 Bessel's Refraction Tables  
 Whitaker's Almanac

## SUPPLIES LEFT AT CAPE ADARE IN FEBRUARY 1900

After Borchgrevink 1901

COMMODITY	BARRELS	CASES	TINS
Flour (crew and cabin)	4	-	150 approx
Flour (Hungarian, in tins)	-	4	-
Rice (Patna)	-	2	-
Barley	-	2	-
Oatmeal	-	1	8
Biscuits (Cabin)	-	1	-
Butter	-	4	-
Lard	-	4	-
Cheese	-	2	-
Milk (cocoa, chocolate, coffee)	-	6	-
Tea	-	3	70 approx
Cocoa	-	1	-
Boiled beef	-	10	-
Tripe	-	1	-
Army rations	-	-	50 approx
Salted meat	1	-	-
Oxine extract	-	1	-
Beef suet	-	1	-
Bacon in tins	-	1	-
Haddocks	-	1	Several
Sardines	-	-	Several
Herrings	-	-	Several
Potatoes (dried, in tins)	-	3	Several
Potatoes (fresh, in tins)	-	-	Some
Herbs (dried)	-	-	Several
Vegetables (dried, in tins)	-	3	-
Vegetables (fresh, in tins)	-	-	Some
Salt (table)	-	3	-
Frame food (jelly)	-	6	-
Frame food (extract)	-	2	-
Frame food (tablets)	-	1	-
Jams	-	1	-
Prunes	-	1	-
Marmalade	-	-	50 approx
Jelly crystals	-	3	-
Pickles	3	-	100 bottles
Chutney	-	-	100 bottles
Sauce	-	-	100 bottles
Curry powder	-	1	Several
Pepper	-	-	Several
Mustard	-	-	Several
Coal (in bags) about 10 tons	-	-	-