

Starkweather-Moore Expedition
Equipment Manifest

page 01

no.	description	stored in	lbs. ea.	total
2	Ford snow tractors, cap. 750# cargo, tow 3000#	#1 tween	1,450	2,900
3	300 watt generators, gasoline powered, on skids	#1 tween	80	240
1	heavy crate w. derrick, bracing struct for drill	#1 tween	1,000	1,000
1	heavy crate w. generator, motors & drill-head	#1 tween	1,000	1,000
1	frame cent. w. jointed drill-pipe, 12' lengths	#1 tween	1,000	1,000
1	heavy crate w. electrical ice-melting equipment	#1 tween	1,000	1,000
2	crated windmill generator, cpl't w. 12' triped	#1 tween	300	600
80	tanks of oxygen	#1 lower	20	1,600
20	one gal. cans kerosene for stoves & blowtorches	#2 tween	8	160
400	55 gallon drums gasoline (22,000 gallons total)	#2 lower	330	132000
10	50 gallon drums lub. oil (500 gallons total)	#2 lower	350	3,500
1	55 gallon drum industrial alcohol for photolab	#2 lower	330	330
2	kerosene stoves for base camp	#3 tween	25	50
2	chalkboard, 4' x 4' on stand	#3 tween	35	70
6	blowtorch	#3 tween	5	30
4	kerosene lanterns	#3 tween	2	8
3	boxed set cooking gear for camp (pots and pans)	#3 tween	20	60
2	camp radio with antenna	#3 tween	200	400
4	trail radio with antenna	#3 tween	100	400
20	trail radio battery	#3 tween	20	400
6	field telephone w. telegraph key	#3 tween	20	120
32	telephone battery	#3 tween	1	32
1	spool 8,000' telephone wire	#3 tween	8	8
5	bag, set aircraft tools	#3 tween	50	250
1	crate tools (vise, sm lathe, files, drill, &c.)	#3 tween	300	300
1	chest carpentry tools: base (saws hammers etc.)	#3 tween	50	50
1	box, w. various nails & carpentry supplies	#3 tween	50	50
2	sled, 900 board feet lumber for base	#3 tween	4,000	8,000
1	pallet, w. 6 rolls tarpaper	#3 tween	380	380
1	box, set film developing equipment & chemicals	#3 tween	35	35
10	Nansen cookers & primus stoves	#3 tween	25	250
2	crate 1 doz. settings plates, mugs, utensils	#3 tween	15	30
12	buckets (to melt water in)	#3 tween	2	24
12	4 person bellows-entrance tents, w. poles, etc.	#3 tween	50	600
20	5-pole sledging tents	#3 tween	10	200
40	canvas and geesedown sleeping bags	#3 tween	16	640
8	box, w. 6 cnt. of 60 'lifeboat' style matches	#3 tween	5	40
6	flags (2 U.S., 2 Brit., 2 M.U.) on short poles	#3 tween	5	30
40	pair snowshoes	#3 tween	6	240
10	pair skis, bindings, and poles	#3 tween	12	120
12	shovels	#3 tween	3	36
6	axes	#3 tween	5	30
4	bow saws	#3 tween	4	16
6	600' coils, alpine rope	#3 tween	40	240
12	bagged sets pitons, slings, other climbing gear	#3 tween	7	84
12	ice axes	#3 tween	5	60
8	Nansen sleds, 12' long, 2' wide, 1000lb. cap.	#3 tween	100	800
8	sled meters	#3 tween	3	24
4	box with 1" flare pistol and 10 flares	#3 tween	4	16
3	metal box, 10 calcium flares (burn for 10 min.)	#3 tween	20	60

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no.	description	stored in	lbs. ea.	total
6	cerise marker panels to signal aircraft	#3 tween	n/a	n/a
6	electric signal lamp (needs power source)	#3 tween	3	18
3	oxygen snow tents	#3 tween	50	150
1	heavy cargo ramp for unloading ship	#3 lower	1,500	1,500
36	malamute sled dogs - usually 9-11 per sled	#5 tween	90	3,240
--	bunks, benches, etc. for base camp	#5 lower		800
150	8' bamboo poles	#5 lower	2	300
20	12' x 12' timbers, 18' long for base shelters	#5 lower	1,300	26,000
10	24' telephone poles for base masts and bridging	#5 lower	500	5,000
5	Brace and Clamp Sets for panel huts	#5 lower	172	860
190	Insulated panel, for 5 panel huts	#5 lower	106	20140
	subtotal			\$17,521

In addition there are a dozen more pallets, for a subtotal of about 197,581#. This extra weight includes all the items listed below.

no.	description	stored in	lbs. ea.	total
	- supplies aboard ship for ice operations:			
1	spare rudder and rudder assembly	on deck aft	2,100	2,100
1	spare ship's propeller	on deck aft	2,700	2,700
1	raft built atop oil drums (for help unloading)	on deck aft	1,100	1,100
40	bags, quick setting cement	#4 tween	40	1,600
2	case of 48 sticks ammonia-gelatin dynamite	#4 tween	60	120
2	set, welding equipment	besun stores	220	440
8	mallet	besun stores	8	64
8	large hammer	besun stores	2	16
1	wooden box, 100 no.6 non-electric blasting caps	besun stores	10	10
6	coil (50') of time blasting fuse	besun stores	10	60
8	large crowbar	besun stores	4	32
12	ice scrapers	besun stores	3	36
12	snow shovels	besun stores	3	36
12	stiff brooms for sweeping ice off ship	besun stores	2	24
4	ice anchors (really big hooks)	besun stores	180	720
	subtotal			9,058

In addition, the ship's stores include a larger than usual amount of canvas, oakum, rope, chain, timbers and planks, carpentry supplies, iron plates, beams and angles for repair work, etc. Six heavy mooring lines, each 720' long, are carried aboard.

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no.	description	stored in	lbs. ea.	total
	- clothing supplies			
40	set of parkas, hooded anoraks, and pants			
40	camel hair balaclavas			
40	set windproof linen oversuits			
40	pair of gloves and mittens, with lanyards sewn on			
200	set of silk, linen and wool underclothes			
80	wool jersey sweaters			
40	flannel shirts			
40	heavy trousers or overalls			
240	pair wool socks			
40	pair sea boots			
40	pair lauger-keck boots (canvas, leather, & sheepskin)			
40	pair finneskee (Norwegian fur boots)			
40	set, sled pulling harness			
40	mountaineering goggles with canvas side shields			
40	sheath knives			
	-- all are issued individually to members			
	subtotal			1,640

Note: 12 lbs clothing is typical for 'good' weather, 22 lbs for 'bad.'

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no.	description	stored in	lbs. ea.	total
	-feed for operations away from ship:			
30	crate, w. 30 1/2# cans sardines	#3 tween	20	600
4	bex, w. 8 cans 4 oz. pepper	#3 tween	2	8
2	bex, w. 8 jars 6 oz. mustard	#3 tween	3	6
2	bex, w. 8 jars 2 oz. tabasco sauce	#3 tween	1	2
4	crate, w. 40 jars 8 oz. marmalade	#3 tween	25	100
1	bex, w. 8 bottles 3 oz. worcestershire sauce	#3 tween	2	2
4	bex, w. 80 boxes 4 oz. raisins	#3 tween	22	88
3	crate, w. 150 jars 8 oz. orange syrup	#3 tween	75	225
3	crate, w. 150 jars 8 oz. grape syrup	#3 tween	75	225
16	bex, w. 9 boxes, ea. w. 4 slabs 1# chocolate	#3 tween	40	640
48	crate, w. 12 bex, ea. 6 12 oz wheat&eat biscuit	#3 tween	60	2,880
4	bex, w. 20 boxes of 1/2# cubed sugar	#3 tween	12	48
4	bex, w. 27 boxes of 4 oz. w. bouillon cubes	#3 tween	8	32
10	sack, 10# sugar	#3 tween	10	100
8	bag, 12# all-purpose flour	#3 tween	12	96
4	can, 2# baking powder	#3 tween	2	8
4	bex, 1# baking soda	#3 tween	1	4
1	bex, w. 12 drums 2# salt	#3 tween	25	25
5	crate, w. 12 boxes of 4# oatmeal	#3 tween	50	250
30	crate, w. 2 boxes, w. 24 cans 1# butter	#3 tween	52	1,560
25	crate, w. 32 cans 20 oz. powdered milk	#3 tween	43	1,075
1	chest, w. 4 boxes tea, 16 tins 12 oz. each	#3 tween	55	55
2	crate, w. 6 boxes of 2# dried apricots	#3 tween	12	24
8	crate, w. 4 boxes each w. 24 cans 12 oz. prunes	#3 tween	75	600
20	cases, w. 24 cans 2# baked beans	#3 tween	55	1,100
6	jar, 1 gallon sour cream	reefer space	10	60
8	crate, each w. 22 boxes of a dozen eggs	reefer space	60	480
4	tub, 20# of lard	reefer space	22	88
192	crate, w. 90 blocks 1/2# pemmican (men & dogs)	reefer space	50	9,600
5	sides of bacon	reefer space	50	250
	subtotal			20,231

The feed is loaded on 16 standard 48" square pallets. There are 8 pallets of pemmican crates, 2 pallets of biscuit crates, 1 pallet each of butter and milk, and 4 mixed pallets; the loaded pallets weigh between 1,000# and 1,600# each. An empty pallet weighs 80#, so the actual amount going over the side equals 21,511#.

3	Boeing Model 247	#4, #2 tween	11,000	33000
1	Fairchild FC-2 monoplane	#2 lower	2,050	2,050
2	spare Pratt and Whitney 'Wasp' S1H1 engines	#2 tween	800	1,600
	subtotal			36,650

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no.	description	stored in	lbs. ea.	total
4	canvas plane covers, 38' on a side	on planes	150	600
6	heating hoods for engines	on planes	10	60
2	case, with movie camera, tripods and film	deckhouse	130	260
2	guitar	deckhouse	n/a	n/a
2	harmonica	deckhouse	n/a	n/a
3	still camera set	deckhouse	25	75
	- camera, lenses, tripod, film, 50 flashbulbs, IR filters			
1	case biology, zoology, and botany instruments	deckhouse	25	25
	- microscopes, slides			
1	straitjacket	dec's cabin	5	5
3	pairs handcuffs	dec's cabin	n/a	n/a
1	case of 24 bottles various "medicinal" liquor	dec's cabin	30	30
1	medicine chest with surgical and drug supplies	dec's cabin	28	28
1	doctor's medical bag, for use on trail	dec's cabin	12	12
	- includes injectable morphine			
1	box, tobacco and cigarettes	SME office	8	8
1	case, with typewriter, paper and carbon paper	SME office	35	35
1	crate var. navigational instruments and charts	SME office	50	50
12	binoculars, 7x50mm	SME office	2	24
1	case astronomy instruments and notebook	SME office	26	26
	- Geiger-Muller counter for cosmic ray studies			
	- quartz spectrographs to study sun and sky spectra			
4	case meteorology instruments and texts	SME office	13	52
2	chest paleontology equipment	SME office	10	20
	- reference works, wire brushes, small 'dental' tools, charting equipment			
6	chest, geology-cartography tools	SME office	40	240
	- stakes, survey theodolite on aluminum tripod, rock hammers, sample bags, drafting tools			
2	chest, geophysics set	SME office	12	24
	- precision compass and magnetometer			
2	chest, chemistry sampling and test equipment	SME office	10	20
	- test tubes, beakers & other glassware, bunsen burners, test chemicals, tongs, steppers, thermometers, reference works			
4	crate, 6 caustic soda canisters	busun stores	25	100
	subtotal			1,694

items from pages 01-02	217,521	
ship's stores from page 02	197,581	
clothing from page 03	1,640	
food from page 04	21,511	
aircraft and spares from page 04	36,650	
items from page 05	1,694	
grand total	281,431	(141 tons)