

- Snow, peculiar phenomenon of, 211.
 Snow-crystals, instructions for observations, 103.
 Snow-house, description, 136.
 necessity for ventilation, 231.
 Sound, experiments on velocity, 15, 37.
 Soundings, 27, 201, 211, 270, 271.
 instructions, 104.
 Spirituous liquors, value in Arctic regions, 348-349.
 Stalknecht Island, 64.
 Stanton Gorge, Beaumont cache, 24, 186, 197, 217.
 record left, 197.
 copy of record left by Beaumont, 225.
 Star-fish, list of collections, 310.
 Starr, Private, relieved from expedition, 7.
 Steam-launch, furnished by the Secretary of the Navy, 1.
 boiler replaced at St. John's, 2.
 Stearine, eating forbidden, 77.
 value as fuel, 450.
 Stephenson Island, 25, 188 pl. 1, 200-201.
 sketch of fiord, 202.
 Stony Cape, 127.
 Store house at Cape Sabine, 394-395, 464.
 Stores, furnished by Commissary-General, 2, 98.
 abandoned at Fort Conger, with list, 49, 323.
 list, on hand at Cape Sabine, 70.
 list of expedition, with remarks, 108-109.
 list, at Thank God Harbor, 147-148.
 Storm Cape, 25.
 Storms, 14, 42, 46.
 Sugar Loaf Mountain, height, 29.
 Sun Bay, search for Combeare's depot, 9.
 Surgeon-General, field supplies and medical stores furnished by, 2, 98.

 Tea, smoking forbidden, 75, 420, 478, 479.
 Tea-leaves, eating forbidden, 76.
 Temperature, winter of 1880-'81, in Greenland, 2, 3.
 remarkable means and extremes, 13, 16, 30, 34-35, 38, 54, 63.
 period of extreme cold, 15.
 earliest date of frozen mercury, 38.
 instructions for observations, 101.
 Temperature of surface sea-water, 12, 37.
 Terrace formations, 285, 286.
 Thank God Harbor, orders and reports on trip to, 16-17, 42, 43, 144-148, 248, 259-263, 264.
 articles from English Arctic expedition, 23.
 list of stores, 147-148.
 description of observatory, 148, 260, 263.
 English records from, 149-155.
 record left, 262.
 Thanksgiving Day, 13, 38, 74, 401.
 copy of order establishing, 242.
 Thefts of food, 92-93.
 See, also, Henry; Pavy; Schneider; Whisler.
 Thermometers, instructions for use, shelter, and testing, 101, 104-105.
 Tidal crack from Cape May to Lockwood Island, 27, 187, 188, 207.
 Tidal observations, 11, 30, 37, 44.
 failure at Cape Bryant, 26.

 Tidal observations, Black Horn Cliffs, Repulse Harbor, and Cape Sumner, 43, 256-258.
 Cape Beechey, orders and report, 44, 264-265, 269-270.
 Cape Baird, orders and report, 44, 265, 268.
 Cape Cracroft, orders and report, 44, 270-271.
 transmitted to Coast Survey, 44.
 instructions, 100, 101.
 North Greenland coast, 189, 255-258.
 methods, 252-253, 255, 264, 268, 269, 270.
 Tide-gauge, erection at Fort Conger, 8.
 self-registering, 38.
 Tides, heavy, 53, 54, 55.
 Tobacco, use in Arctic regions, 348.
Tringa canutus, description of egg, 47.
 Twin Glacier Valley, 358.

 United States Mountains, 22, 32, 275, 318-319.
 Upernivik, clothing obtained at, 3.
 departure from, 4.

 Very River, 31, 33.
 Very Valley, vegetation and description, 33.
 Victoria Head, 58, 60.
 plan for retreat from, 60, 377-378, 444.
 Victoria Inlet, 27, 187 pl. 1.
 View Point, 21, 173, 177.
 record left, 177.

 Walrus, seen off Distant Cape, 34.
 War Department, orders assigning Lieutenant Greely to command, and organizing expedition, 97-99.
 Washington Irving Island, Nares' record, 5.
 record left, 5, 57, 110-111, 441.
 Washington's birthday, celebration, 15, 40.
 Water, samples from paleocrycitic ice, 29.
 Water Course Bay, report on, 6, 111, 138.
 Weyprecht, Lieutenant, international stations proposed by, 1.
 plan for magnetic observations, 103.
 Weyprecht Inlet, 25, 206, 208.
 Whale, bone found, 235.
 Whisler, Private, 14, 18, 22, 23, 34, 60.
 theft of food, 86, 513.
 death, 88, 519.
 Wild Fiord, 26, 208.
 Wind, instructions for observations, 102.
 direction indicated by *sastrugi*, 22.
 high velocity, 14, 34, 48, 217-218.
 Winchester observatory of Yale College, special instructions for standard thermometers, 104-105.
 Wrangel Bay, 9, 122, 167, 170, 246.
 sledge journey to, 11, 131-133.
 orders and report on trip to, 13, 138-142.
 cache at, 140, 141.
Xanthus, drift-wood from, 4.
Yantic, 66, 67, 69, 352, 458.
 Young, Allen, return of Arctic mail left at Littleton Island by, 4-5.

 Zoology, list of collections, 299-300, 305-310, 315.