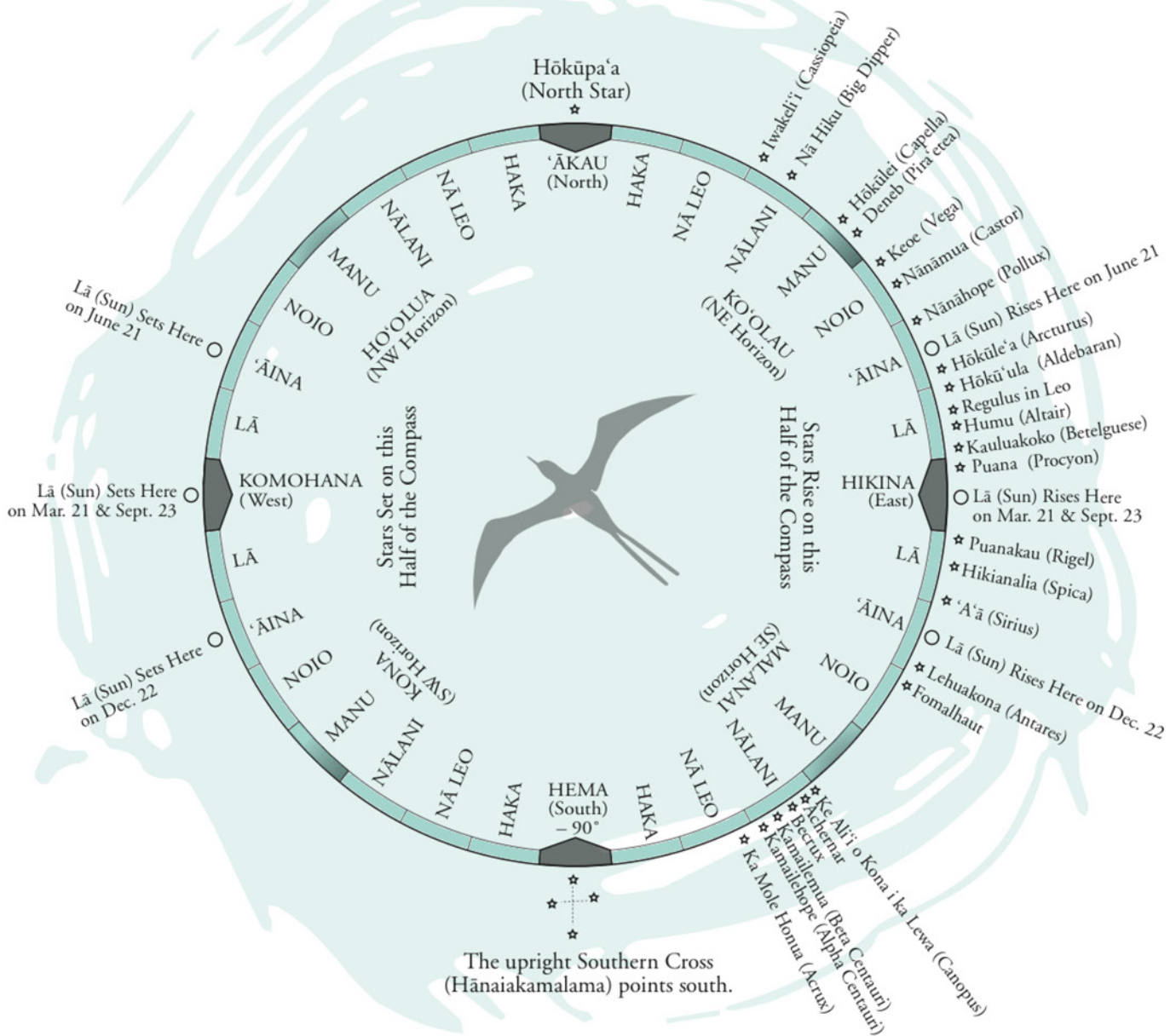


WAYFINDING & SEAFARING RESOURCES

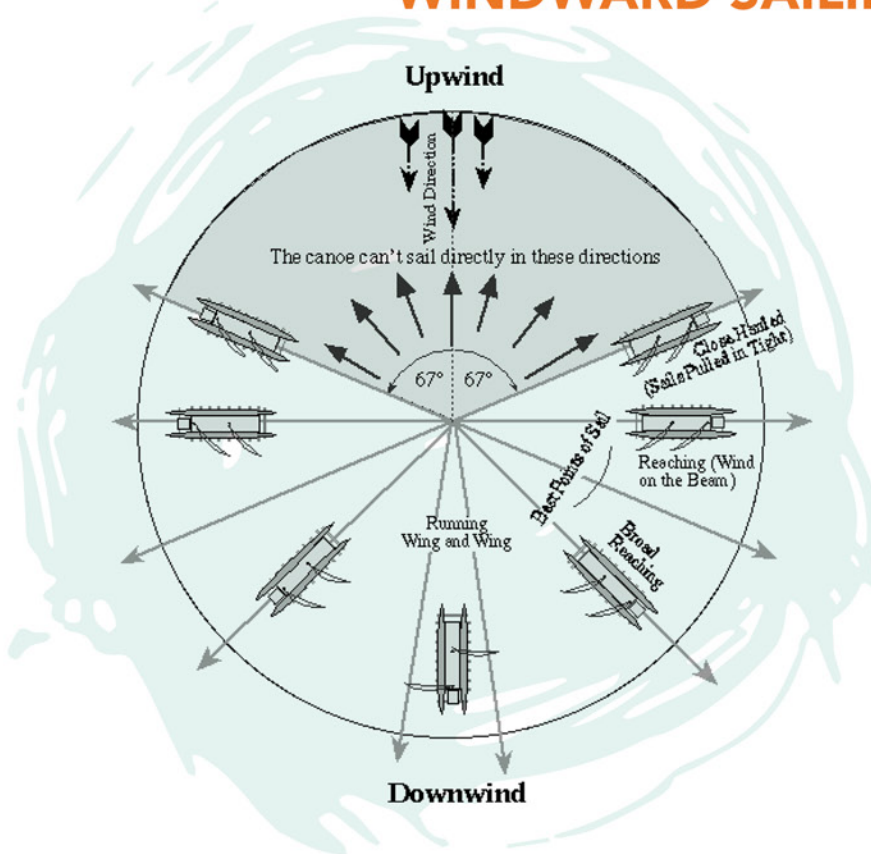


Hawaiian Star Compass © Charles Nainoa Thompson

Be sure to check out other resources at: <https://www.ksbe.edu/digital/holomoana/>

Hawaiian Star Compass: http://pvs.kcc.hawaii.edu/ike/hookele/star_compasses.html

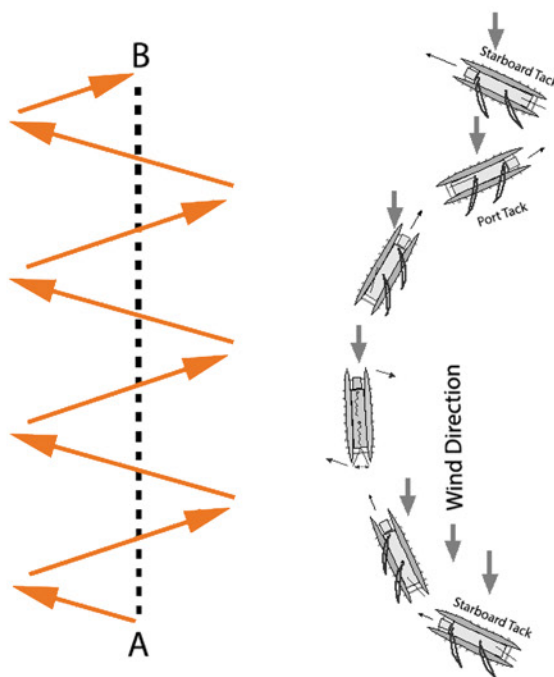
WINDWARD SAILING ABILITY



Sailing Ability

Most Hawaiian voyaging canoes do not have keels or dagger boards. As a result they can sail about 67 degrees or about 6 houses from the wind.

If the canoe needs to head toward the direction from which the wind is blowing, it will sail off to the side, while remaining close as possible to the wind direction (i.e., close-hauled), then change tacks to the other side, making forward progress in a tedious zigzagging pattern known as tacking.



Tacking

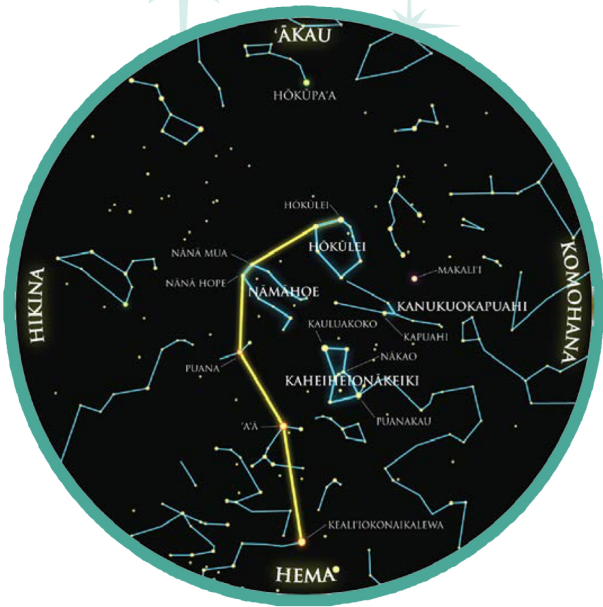
Tacking involves sailing in the direction of the wind in a zigzag pattern, like switchbacks on a mountain trail. In general one should try to plan a trip so that tacking is minimized, as it may (depending on the windward ability of the vessel) take up to five times longer to tack a given distance than it does to sail there directly. Sometimes however, tacking is the best or only maneuver for getting to one's destination.

Be sure to check out other resources at: <https://www.ksbe.edu/digital/holomoana/>

Credit/Resource: http://pvs.kcc.hawaii.edu/ike/hookele/course_strategy.html

NA 'OHANA HOKU EHA

The Four Star Families



Kekaomakali'i (The Bailer of Makali'i)

Makali'i is one Hawaiian name for the Pleiades star cluster. It was frequently used by navigators of long ago and is still used today.



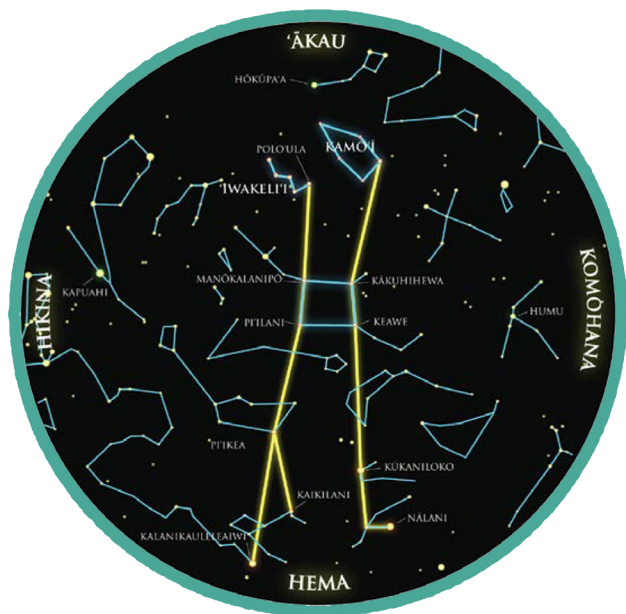
Kaiwikuamo'o (The Backbone)

This starline is called "Backbone" for it runs from the North Star, Hokupa'a (Fixed Star) to Hanaiakamalama, the Southern Cross.



Manaiakalani (Maui's Fishhook)

The magic hook of the Hawaiian demigod Maui shares many of the same stars as the constellation Scorpius and was named Manaiakalani.



Kalupeakawelo (Kite of Kawelo)

The four stars in the kite of Kawelo are named after four prominent chiefs of the islands: Manokalanipo, chief of Kauai; Keawe, of Hawaii Island; Pī'ilani, of Maui; and Kakuhihewa of O'ahu.

Be sure to check out other resources at: <https://www.ksbe.edu/digital/holomoana/>

'Imiloa Astronomy Center: <https://imiloahawaii.org>