Yaw-Heel Is What Makes Big Ocean Vessels Roll

The use of stabilizers in holding a ship at even keel under the varying conditions of the ocean make it possible to measure waves with greater accuracy than ever before and to separate and measure the comparative force and effects of four different motions of the ship —that is, pitching, rolling, yawing and heeling," says an article in the Travel Agent.

It was ascertained that the average storm waves on the North Atlantic vary in length from 200 to 600 feet, and that, even in storms of hurricane force, waves are not observed to exceed 1,000 feet in length. It was determined that, both in rolling and pitching, large angles of motion were built up by groups of wave forces rather than by the force of any one particular wave.

The yawing which results from a following sea, it was ascertained, consists of an alternate swing on the stern from port to starboard and vice versa, under the influence of the waves, the bow being a relatively steady point, and the yawing motion acting as a lever whose fulcrum is close to the bow.

With yawing comes heeling. The same wave from the port side which causes the ship to roll to starboard also causes the ship's stern to move to starboard, thus yawing the ship to port, the centrifugal forces so generated also causing the ship to heel to starboard.

It was determined that what is often mistaken for excessive rolling was the combination of the roll, augmented by the yaw-heel. The roll never before had been distinguished from the heel because of its similarity.

Variety of Uses Found for Output of Beeswax

Beeswax, the main by-product of honey, also has a wide variety of uses. In addition to its extensive use in manufacturing church ceremonial candles it is employed in making wax polishes, modeling waxes, ointments, certain types of paints and inks, etc. In early times when the chief source of artificial light was the candle, says Pathfinder Magazine, the beeswax candle was much preferred to a tallow one because of its higher melting point and the fact that it gave off little odor.

The high commercial value of beeswax as the base of wax polishes is due to its fine texture and this has been known to the Old world for a long time. Many European and Japanese waxes are still derived from this source.

Industrial chemists who have made laboratory studies of the bee and its products find that in addition to lovulose, supposed to be the sweetest of sugars, honey contains such minerals as magnesia, iron, sodium, lime, etc. And while they say they do not expect honey and beeswax to ever become more important industrially, it is significant that they continue their researches into the subject.

Unique Clock Tells All

An extraordinary clock given by Queen Liliuokalani to a church in 1890 recalled days when Hawaii was a monarchy rather than an integral part of the United States. Liliuokalani was the last royal ruler of the islands. The royal gift is a round wall clock, 32 inches in diameter, says a Pan-Pacific Press Bureau. Figures around the outside of the 24-inch dial are numbered 1 to 31; telling the day of the month. An eight-inch dial above the center tells the hours and minutes, but instead of the numerals the 12 letters in the queen's name record the hours. Another dial gives the phases of the moon. A still smaller dial indicates years and leap years. The complete device is operated by a single spring.

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In 2 seconds by stop watch, a genuine BAYER Aspirin tablet starts to disintegrate and go to work. Drop a Bayer Aspirin tablet into a glass of water. By the time it hits the bottom of the glass it is disintegrating. What happens in this glass . . . happens in your stomach.



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If you suffer from pains of neuritis what you want is quick relief.

Genuine Bayer Aspirin tablets give quick relief, for one reason, because they dissolve or disintegrate almost instantly they touch moisture. (Note illustration above.)

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That's why millions never ask for aspirin by the name aspirin alone when they buy, but always say "BAYER ASPIRIN" and see that they get it.

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LOOK FOR THE BAYER CROSS

AT THE MOVIES NEXT WEEK



Valiant Is The Word For Carrie

The beginning of a friendship which culminates in one of the most dramatic and compelling climaxes ever screened... Young.. Jackie.. Moran meets Gladys George in the opening sequences of "Valiant Is The Word For Carrie," the gripping drama of love and sacrifice, which comes to the New Lyceum Theatre on Monday and Tuesday, November 23 and 24.

A new and great film star, in the person of Gladys George, noted stage actress who made theatre history last season when she appeared in almost 700 successive performances of "Personal Appearance," makes her debut at the New Lyceum Theatre next Monday and Tuesday, November 23 and 24, in the motion picture version of Barry Benefield's best-selling novel, "Valiant Is The Word For Carrie."

Miss George is noted for her dramatic and emotional roles and the mother-role she creates in "Valiant Is The Word For Carrie" is said to set a new high standard for film portrayals. Assisting her are Arline Judge, John Howard, Isabel Jewell, Harry Carey, Dudley Digges, William Collier, Sr., and two new youngsters, Jackie Moran, discovered by Mary Pickford, and Charlene Wyatt, six-year old who won a movie contract in a field of 200 contestants.

"Valiant s The Word For Carrie" is a gripping story of a woman who finds her resurrection in raising two homeless waifs to manhood and womanhood. A situation arises in which she is forced to make a decision which means either jail for her or revelation of what she was in the long dead past. She makes her decision without compunction or remorse, in one of the most gripping and compelling motion picture climaxes to reach the screen in years.

Crashing through breath-taking adventures in the jungles, Tarzan and his mate, as enacted by Johnny Weissmuller and Maureen O'Sullivan, bring to the New Lyceum on Wednesday and Thursday, November 25 and 26, another breath-taking adventure romance.

This is Metro-Goldwyn-Mayer's "Tarzan Escapes," packed with thrills, telling the story of a human deceit directed against a primitive man of the jungle, and of the treachery of civilized man against the jungle friend of wild beasts who has never known the tricks of his "enlightened" brothers.

"Tarzan Escapes" takes the Edgar Rice Burroughs character into the country of giant vampire bats; its thrills include a battle between an army of elephants and savage warriors, the routing of lions by an elephant stampede; a dash through a crocodile-infested river, and other exciting details surrounding the primitive love story of the series.

In the new story Tarzan is betrayed and captured by the man who pretends friendship and who plans to exhibit him as a wild man. His faithful mate, played by Miss O'Sullivan, and his jungle friends aid in a sensational escape.

Weissmuller as Tarzan swings across wild gorges, on strange vine bridges, and swims perilous rivers. Miss O'Sullivan is her charming character as in former Tarzan pictures, and Benita Hume, British actress, plays the heroine's sister. John Buckler enacts the animal collector. William Henry plays Miss O'Sullivan's cousin, who remains loyal.

Richard Thorpe directed the new picture with deft skill. Remarkable photopraphy adds to the effectiveness of its stirring action, and some gorgeous scenic details add beauty to the adventure and romance of the story.

HOW'S YOUR MEMORY?

A good memory may win you $1,000 or one ofthe other cash awards totaling $2,000 to be given away in the big Movie Star and Title Game. Still time to start game. Read full details in THE BALTIMORE NEWS-POST and SUNDAY AMERICAN. On sale at all news stands.

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DAILY 7:0[illegible] a.m. — DAILY 3:00 p.m. — DAILY ex. Sat. 9:00 p.m.

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Here's the recipe that banishes fat and brings into blossom all the natural attractiveness that every woman possesses.

Every morning take one half teaspoonful of Kruschen Salts in a glass of hot water before breakfast—cut down on pastry and fatty meats—go light on potatoes, butter, cream and sugar—in 4 weeks get on the scales and note how many pounds of fat have vanished.

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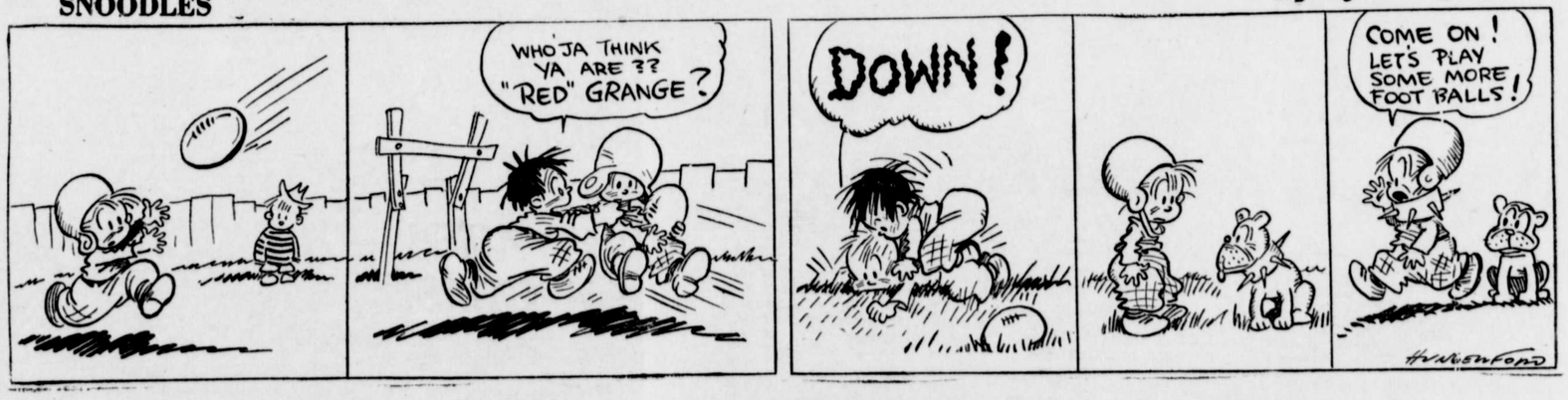
SUNDAY, NOV. 22, 1936

TUNE IN
Station W F B R
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9.50 A. M. to 9.55 A. M.

Sponsored by THE TRANSCRIPT

SNOODLES — *By Cy Hungerford*



"MICKY" AND HIS GANG — *By Sam Iger*



DOROTHY DARNIT — *By Charles McManus*

