

WELCOME ABOARD CAPTAIN DEREK'S *Dolphin* MAGIC BOAT



ACTIVITY BOOK

susanbarros.com



How Good Is Your Google?

Learn About Your World | RESEARCH

What is latitude?

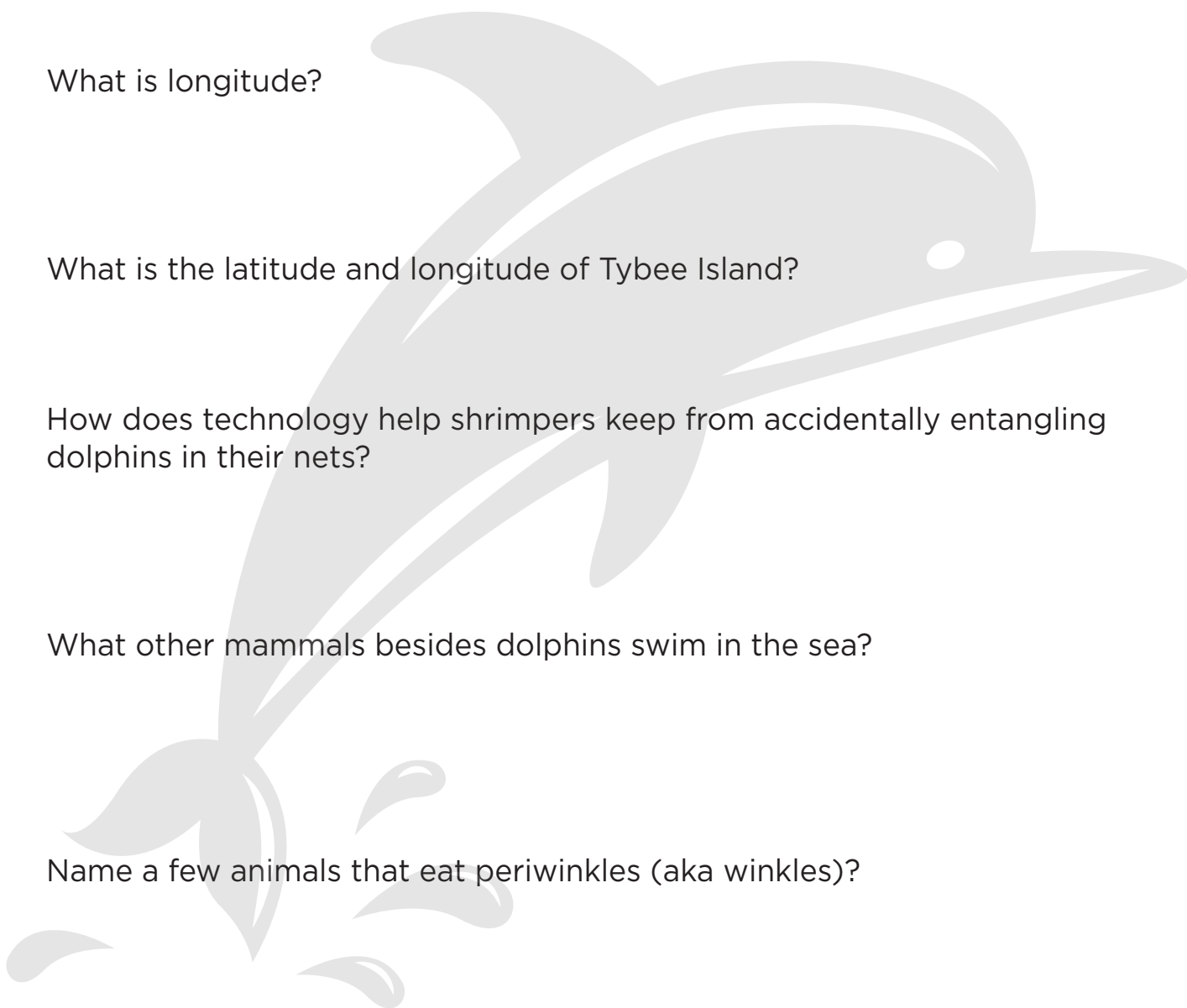
What is longitude?

What is the latitude and longitude of Tybee Island?

How does technology help shrimpers keep from accidentally entangling dolphins in their nets?

What other mammals besides dolphins swim in the sea?

Name a few animals that eat periwinkles (aka winkles)?





LET'S TESSELATE

Learn About Your World | TESSELATIONS

Decorations with a mosaic effect; geometric shapes fitted together exactly
(for inspiration: Google “Sea life tessellations”)





WHERE IN THE WORLD IS IT?

Learn About Your World | NAVIGATE



You're the ship's captain. Create a route that will take your vessel to the following ports of call:

- Central America
- Caribbean
- Tobago
- China
- Panama Canal
- South America
- Trinidad
- Asia
- Italy
- Savannah



BE YOUR OWN MAP MAKER

Learn About Your World | CARTOGRAPHY

You're the cartographer. Draw a map of the eastern seaboard of the United States. Make a star for each location and label Savannah and the barrier islands*:

- Savannah
- Hilton Head Island
- Daufuskie Island
- Cumberland Island
- Wassau Island
- St. Catherine's Island
- Sapelo Island
- Tybee Island
- St. Simon's Island
- Ossabaw Island
- Jekyll Island
- Black Beard Island

**(HINT: Use the Internet)*

Which Georgia barrier islands are known as the Golden Isles?

_____, _____, _____, _____



DOLPHIN WORD SEARCH

Learn About Your World | WORD IN REVIEW

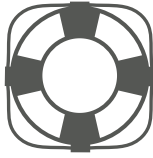
U D M N A Y G Q D C M F S U L M F R N B E Q C E K N X M T L O N V U C M M D K M
V R J I F G I O T J I Y D E A F T S E F K O W I S R A F Z Y O X D X T J I D B Y
W A J L X Z L M A N J V T G A I C G T W R C P K U V N U W H N A S G F U K T C M
Q U C F T P F M R Y R O I F Q T T Y P M C N D S L Q F O C X K J U P Q A R Q B E
A G Q H H U I K A Y T C F L W P U N O Y Q O W U L E J I A Q M W A S C D B J S L
W T A I O V H I G W D T W N W D F R E B M Q Y F O S W S X J H K O S T Y I K W F
Z S N G E B H A A O B V E A N A A L T F K V I U M M G R C R L B F T E J D T I P
K A E N W H Q A L E K R C J J N R O B L L S P A C Z E O K X K L J F B Y P O H M
J O F N R K O P B L F F E L T T J Y D I E G K D M R E I R R A B S G D O O W J A
G C S A P F H B O L B O V W R H J M G S A D R U Q V D U J P Z V E T L V M H H B
R G Z N Y I W J A X G V X I H D D H I M C V B Y X M E W C B V D D Y D Z V V B U
A S G Y N K F E R I F C T Z C Z T O N E H H Q P B P J O F V T B I A Y C J L X X
J N P B F L J S D V U X T C A H R N K W C C N M R Z S B S F N Q T P T P R F Z S
X V O O B V O J W C T X B U O R E O C A V F A O E V I Y Q V N V N Q A C W N X C
A A S N T W W D A Y J M E U J H V C E A L R H G L X R G L X N I S Y K W R U C N
T V G B P V S E L M N A S A N C I B P A S T C W A T Z G F Q E C F B Z Y N A O Z
D D L Y U W T Q K T L E N V J T R A S H E B V O E C I E I P L A L N Z S P J R E
B X O F Y A I K R T R A J G D P H T Y L W H H P D T S C O C K S P U R M V D Z H
P Y Q D R W I H B X C O R W W N A L G K E R E D T P A C U T M B X V Z H C S E J
O B H I G I D T E R Y D V K T T N O E H U Y P T C B W G N R E T S K O N I F Y A
S T P A R Z K A Z Z V M U I S K N Q G T Y K E J H H E O I X Q M M Y K Y J T S V
T I A K Q B A B A P Y I P U U T A C U I E B L N B X M A Y V A P T N H W D A B A
P P E O M S Y Z W Y T P V U H Z V C O E D Z I U C B T G M U A Y K O E E Y R X Y
A S H K B N A B G W N D V V R A A T R N W N C Y Z N S Y D N L N U Z H W W B L F
N N Z Z V P K X K M P L R G M C S C R L F Q A U T S I L A T N E M N O R I V N E
A R S H S R M P G L I T T L E T Y B E E K E N O Y S T E R Z T Q R U X Z Q C R V
M S J Z B W G I E A O T H H I E F W Q A D K D I F W R N V Q Q Y A B C K U J O M
E C E G I A E A R B T J W Q N D F K V F B V B E N R V W T D C F U E S R M X H D
X E F O E P G N K H Z D E M S N P P Z D P L L C R U U V C T J X L Z Z M I T K B
I K F O N Y N E D Z S Y I Q Z Z R I L Q W M S Y D A T O G J Z Q B A C P X C P A
A H V N G M X S I O X H D L P R Z O S R G S C H E B T A F P J G J F Q K F Y C M
Z V E J D I Z F C K C A U M H J C M O L X R K C M Q V E T N J E E L V G T V Y Q
N A V I G A T I O N S U N G D Z H M J N A G A Q F L Q P A I C H G Q S E O E D Z
Y M Y X Q K M N I B P A E Y O U B D P C K N K F J H E W Z Y B G D O A R E U N X
S A P J A Y R D A J K E L L Q E K L Y S R G D B A C H H H L R A K S C B I P N T
P I E R P C O H I F M W S U A L E K C Z P J F C F T H G V I S S H J X P M G D P
U P L W O U L F Q K I P M D P S V Y I O N R H N E E K M W T Y E T E R L D Y D F
O O R H J K O W K I B T V A H T N N G W A J R B H B N F I L R I G G N I V A W Z
W A O M A S G I C Y I G B B I E F O X V D T J Q Z M T Z V O V D H P Q Z K S D G
I V L Q V W Z K L Q H Z M K Q I P M D U O B G Y Z M D A S M Q J H X G H N O N X

BARRIER
BEAM
BEACH BUM
BOARDWALK
BOW
BUOY
CAPT DEREK
CHIMNEY CREEK
CIRCUMNAVIGATE
CIVIL WAR
COASTGUARD

COCKSPUR
CONFEDERATE
CORMORANT
DAUFUSKIE
DOLPHIN
DUNE
ENVIRONMENTALIST
FT PULASKI
HABITAT
HELM
ISLAND

JANA
JETTY
KAYAK
LIGHTHOUSE
LITTLE TYBEE
MAGIC DOLPHIN BOAT
MARSH
MOLLUSK
NAVIGATION
OGLETHORPE
OYSTER

PELICAN
PIER
PIRATE
POST PANAMEX
RIVER
SAVANNAH
SEA TURTLE
SHRIMP BOAT
SQUID
STERN
TIDES
WAVING GIRL



NEW AND USED WORDS

Possibly new to you, very often used

FIND THE PAGE NUMBER

- _____ **Helm** - nautical usage: a ship's steering apparatus, whether wheel or tiller
- _____ **Decade(s)** - one decade is ten years
- _____ **Vessel** - large watercraft like a ship or a boat
- _____ **Bow** - the front part of a boat or ship
- _____ **Maritime** - relating to the sea; shipping; sailing in ships; or living close to or working on the sea
- _____ **Profits** - income from an investment or business transaction
- _____ **Quarantine** - enforce isolation of people (or animals) that may be carrying a disease
- _____ **Malady** - illness or condition that requires a remedy
- _____ **Peril** - danger; exposure to risk of harm
- _____ **Commonalities** - common features, characteristics, or attributes
- _____ **Barrier** - a naturally occurring or manmade obstacle preventing passage; an obstacle restraining access
- _____ **Seaboard** - land near a the sea; a seacoast
- _____ **Navigable** - passable by ship or boat; deep or wide enough for a ship to pass through
- _____ **Contiguous** - adjoining, continuous
- _____ **Mast(s)** - a vertical spar (metal or wooden pole) that supports rigging and sails
- _____ **Flybridge(s)** - control area on a ship; an open elevated deck of a ship with a second set of navigational devices
- _____ **Yacht(s)** - a large motorboat or sailboat used for cruising or racing
- _____ **Sanctuary** - a place where wildlife is protected from predators
- _____ **Marsh(es)** - soft wet ground; an area of low-lying water-logged land that is often by water and liable to flood
- _____ **Topography** - the features on the surface of an area of land

FIND THE PAGE NUMBER

- _____ **Indentation** - a notch or recess; jagged edge
- _____ **Expanse** - a wide area or surface
- _____ **Crest** - the top part; highest stage
- _____ **Dorsal** - on the back of the body
- _____ **Mammal(s)** - a class of warm-blooded vertebrates (animals with a backbone) that nurse their young; includes humans, apes, many four-legged animals like cats and dogs, whales, dolphins and bats
- _____ **Submerged** - under the surface of the water
- _____ **Prohibited** - to stop somebody from doing something by passing a law that forbids it
- _____ **Oyster** - a shellfish with a rough irregularly shaped shell (bivalve: shell in two parts); native to seabed of coastal waters
- _____ **Mussel** - An edible bivalve mollusk with a blue-black shell that lives attached to objects in the oceans
- _____ **Mollusk** - an invertebrate (organism without a backbone) with a soft body usually protected by a shell and living in or near water
- _____ **Prow** - the front of a ship
- _____ **Kayak** - a lightweight canoe propelled by a double-bladed paddle
- _____ **Bushwhacked** - to cut a way through thick woods, or vegetation
- _____ **Retrofitted** - modify something with new parts
- _____ **Hurricane** - severe tropical storm with torrential rain and extremely strong winds
- _____ **Foundation** - a part of a building, usually below ground, that transfers and distributes the weight of the building onto the ground
- _____ **Extinguished** - to put out something that is burning or giving off light
- _____ **Channel** - a wide passage of water between an island and a larger body of land; a navigable route
- _____ **Nautical twilight** - time of day when the brighter stars used for navigation can be seen, and so also is the horizon still visible
- _____ **Outfitter(s)** - a store that sells supplies and equipment for outdoor leisure activities and sometimes provides guides
- _____ **Brackish** - a mixture of fresh and saltwater
- _____ **Flora** - plant life; the plants of a particular region or area
- _____ **Fauna** - animal life; the animals of a particular region or area
- _____ **Periwinkle(s)** - a small edible mollusk with a spiral shell; often found clinging to marsh grasses

FIND THE PAGE NUMBER

- _____ **Starboard** - the right-hand side; the right side as you face the bow of a boat
- _____ **Beam (of a boat)** - either of the sides of a ship or boat
- _____ **Stern (of a boat)** - the rear part of a ship or boat
- _____ **Port** - the left-hand side; the left side as you face the bow of a boat
- _____ **Jetty(ies)** - a wall or barrier built out into a body of water to protect a harbor or protect a shoreline from erosion; or redirect water currents
- _____ **Latin** - ancient Roman language
- _____ **Contraction** - shortened word
- _____ **Webbed** - joined by a membrane, or membranes of skin
- _____ **Plummet** - drop downward fast
- _____ **Gauges** - measuring device; measures an amount or tests for accuracy
- _____ **Pinpoint(ed)** - to identify or locate something accurately
- _____ **Brood** - to sit on or hatch eggs; young birds
- _____ **Awkward** - embarrassing; difficult or uncomfortable to use
- _____ **Incubation** - hatching eggs by sitting on them or by artificial heat
- _____ **Voilà** - from French, an expression of satisfaction
- _____ **Species** - a subdivision of the study of animals (taxonomy) where all members resemble each other and may interbreed, for example: all dogs belong to the species *Canis familiaris*
- _____ **Inland** - not near a coast
- _____ **Plunges** - move suddenly downward; put something quickly into something
- _____ **Perch** - (verb) sit precariously somewhere; (noun) any temporary resting place
- _____ **Panhandlers** - individuals who beg for money or food from passerby
- _____ **Pier** - a vertical structural support; the term is used for a walkway jutting into the sea: Tybee Pier
- _____ **Handout** - something given as charity to someone (some creature) in need
- _____ **Incubate** - keep eggs warm so the embryos (earliest growth stage) inside can develop and hatch
- _____ **Pesticide** - a chemical substance used to kill pests, especially insects
- _____ **Prohibition** - an act or order that forbids something
- _____ **Endangered** - species threatened by extinction (dying out)
- _____ **Marine** - of the sea; relating to or living in the sea

FIND THE PAGE NUMBER

- _____ **Invertebrate(s)** - animal without a backbone (like insects, worms and much marine life that does not require a backbone for standing on land)
- _____ **Strategically** - in a useful way
- _____ **Erosion** - the gradual destruction or reduction and weakening of something
- _____ **Current** - a steady flow of water (or air) in one direction
- _____ **Vegetation** - the mass of plants growing in a particular place
- _____ **Stabilization** - the action of making something stable, causing it to become steady or firm
- _____ **Boardwalk(s)** - a raised walkway made of boards, often built along beaches
- _____ **Molesting** - to pester, bother or disturb
- _____ **Picturesque** - visually attractive, seeming fit for a painting or photograph
- _____ **Condominium(s)** - individually owned apartment on land held in common by the owners
- _____ **Eclectic** - varied, made up of a variety
- _____ **Surmise** - to conclude that something is the case based on limited evidence, to make a guess
- _____ **Cow(s)** - large female mammal; whale, seals, moose, oxen
- _____ **Umbilical cord** - tube connecting the fetus (baby) to the placenta (mother's womb) through which nutrients are delivered and waste expelled during pregnancy
- _____ **Entourage** - a group of special individuals who surround, care for, and protect an individual of importance
- _____ **Armada** - a large fleet of ships
- _____ **Intrigue** - to make somebody greatly interested or curious
- _____ **Affinity** - a natural liking for or identification with somebody or something
- _____ **Offshore** - in a body of water at some distance from the shore
- _____ **Wake** - the track left in water by a vessel or other body moving through it
- _____ **Consume** - the act of eating
- _____ **Squid** - an ocean creature that has two long tentacles and eight shorter arms, a long tapered body, two triangular fins and an internal shell
- _____ **Crustaceans** - an invertebrate animal with several pairs of jointed legs, a hard protective outer shell, two pairs of antennae, and eyes at the end of stalks. Lobster, crab, shrimp, and crayfish are examples
- _____ **Hierarchy** - the categorization of members of a group by order of importance

FIND THE PAGE NUMBER

- _____ **Convoluted** - having many twists, coils or whorls
- _____ **Cell(s)** - basic unit of a living thing
- _____ **Frequencies** - rate of recurrence of a wavelength; how sounds are transmitted and received
- _____ **Signature** - distinctive mark, sound, look, or characteristic that identifies somebody
- _____ **Descriptive** - expressing an attribute; having particular qualities
- _____ **Converse** - have a conversation
- _____ **Convey** - communicate something
- _____ **Blubber** - the insulating fat of whales and other large ocean mammals
- _____ **Imitation** - can copy or reproduce a movement or action; mimicking
- _____ **Memorization** - learn, commit something to memory
- _____ **Foresight** - the ability to think ahead; envision possible future obstacles or problems
- _____ **Elaborate** - complex; having many different parts or a lot of detail
- _____ **Simultaneously** - at the same time
- _____ **Minesweepers** - ship fitted with equipment to detect explosive mines
- _____ **Vagaries** - unpredictable changes
- _____ **Octagonal** - eight-sided shape
- _____ **Pile(s)** - a sunken support for a building or structure
- _____ **Scheme** - systematic arrangement
- _____ **Flagstaff** - flagpole
- _____ **Nave** - central part; hub
- _____ **Encroach** - to exceed the proper limits of something
- _____ **Lap(ping)** - to flow or splash gently against a surface
- _____ **Efficacy** - the ability to produce the desired result
- _____ **Confederate** - a supporter or soldier of the Confederate states of America during the Civil War
- _____ **Union** - a supporter or soldier of the Union states of America during the Civil War
- _____ **First-order lighthouse station** - a lighthouse with the largest of the six Fresnel lens sizes (additional sizes and applications of the Fresnel lens were later developed including widespread use in automotive lights)

FIND THE PAGE NUMBER

- _____ **Masonry** - the stonework; stone or brick parts of a building
- _____ **Disintegrated** - break into fragments; undergo destruction to destroy the wholeness of something
- _____ **Frostbite** - damage to body extremities (hands, fingers, feet, toes typically) caused by prolonged exposure to freezing conditions
- _____ **Altitude** - height above sea level
- _____ **Simulated** - made in imitation of a genuine article; feign; pretend
- _____ **Nuclear** - an explosion produced through fusion or fission
- _____ **Detonation** - the explosion or act of making something explode
- _____ **Armament** - the guns and other weapons on a military aircraft, vehicle or ship
- _____ **Conventional explosive** - substance or device that produces a volume of rapidly expanding gas
- _____ **Uranium** - radioactive element; can be used as a fuel in nuclear weapons and nuclear reactors (energy producing plants)
- _____ **Plutonium** - radioactive element; used in production of atomic weapons and atomic energy
- _____ **Dredging** - digging underwater using a machine equipped with a revolving chain of buckets, a scoop or a suction device for digging out and removing material from under water
- _____ **Tankers** - a ship (truck or airplane) designed to carry large quantities of liquid or gas
- _____ **Trinidad** - island in the Caribbean; part of Trinidad and Tobago
- _____ **Tobago** - island in the Caribbean; part of Trinidad and Tobago

- _____ **Italy** - country in southern Europe. Its mainland area projects as a peninsula into the Mediterranean Sea; generally thought to have a land mass shaped like a boot
- _____ **Asia(n countries)** - the world's largest continent, bordered by the Ural and Caucasus Mountains and Arctic, Pacific, and Indian Oceans
- _____ **China** - country in East Asia, largest by population, third largest by land mass
- _____ **Pulp** - crushed wood or other materials that are used to make paper
- _____ **Panama Canal** - a navigable canal built across the isthmus of Panama in 1914
- _____ **Isthmus** - a narrow strip of land that joins to larger areas of land

FIND THE PAGE NUMBER

- _____ **Habitat(s)** - the natural conditions and environment in which a plant or animal lives
- _____ **Tractor-trailer rig(s)** - truck for pulling heavy loads, consisting of a tractor attached to a trailer or semi-trailer
- _____ **Gullah** - people of African descent who live along the coasts of South Carolina, Georgia, and northern Florida and on the neighboring Sea Islands; the Creole language of the Gullah people; a form of English that has been influenced by several West African languages.
- _____ **John F. Kennedy, Jr.** - son of the 35th president of the United States (1961-1963)
- _____ **Remote** - situated a far way away
- _____ **Caterer(s)** - person or persons who provides what is wanted or needed in a particular situation, or by a particular group of people
- _____ **Ferry** - a boat used to transport people, vehicles, or goods across water, especially one operating regularly across a river or narrow channel
- _____ **Strategic** - done for a particular reason or strategy, implementing a carefully devised plan to meet a particular goal
- _____ **Robert E. Lee** - commander of the Confederate Army in the Civil War
- _____ **Compromised** - exposed something to danger
- _____ **Secede(d)** - to make a formal withdrawal of membership
- _____ **Impenetrable** - impossible to get in or through
- _____ **Batteries** - a group of artillery pieces such as guns or canon (or missile launchers) that function as a single tactical unit
- _____ **Fortifications** - a position or place that can be defended
- _____ **Blockade** - an organized action to prevent people or goods from entering or leaving a place
- _____ **Telegraph** - method of long-distance communication by coded electric impulses transmitted through wires
- _____ **Stranglehold** - power over something or somebody that is complete and prevents any movement or change
- _____ **Courier** - official messenger like a diplomat or soldier, also a secret messenger; someone who delivers documents and small packages by hand
- _____ **Invincible** - too strong to ever be defeated
- _____ **Garrisons** - place for station troops; a body of troops stationed at a military post
- _____ **Optimistic** - positive attitude; hopeful view of future outcomes

FIND THE PAGE NUMBER

- _____ **Akin** - similar or closely related to something
- _____ **Brash** - self-assertive in an aggressive way
- _____ **Mortar(s)** - cannon with a relatively short and wide barrel
- _____ **Gaping** - large opening, wide open and deep
- _____ **Powder magazine** - stock of ammunition, stock of gun powder
- _____ **Direness** - serious or desperate circumstances
- _____ **Economic** - relating to the business activities of a country
- _____ **Relic** - something that has survived from a long time ago
- _____ **Milestone** - significant or important event
- _____ **Musket** - a shoulder gun with a long barrel and a smooth bore (bore: internal diameter)
- _____ **Oft-buffed** - oft: often; buffed: repeated blow or stroke
- _____ **Ozone** - gaseous form of oxygen with three oxygen atoms per molecule (regular air has just two)
- _____ **Embellished** - to make a story more interesting by adding details which may not be true
- _____ **Eccentric** - unconventional in a whimsical, unpredictable or amusing way
- _____ **Salutation(s)** - gesture or phrase used to greet
- _____ **Danciful** - curiously made, based on imagination or dreams
- _____ **Promulgate(s)** - to make something well known
- _____ **Notion** - idea, opinion or concept
- _____ **Purportedly** - claiming to be something, claiming to be truth
- _____ **Woo(ed)** - to seek the love or affection
- _____ **Matrimony** - marriage
- _____ **Lothario** - man seeking to enter into short-term love relationships with women; named from a character of this personality in a play from the mid-18th Century
- _____ **Metaphorically** - using a comparison or symbolism to describe something
- _____ **Hone** - improve something

FIND THE PAGE NUMBER

- _____ **Dastardly** - mean
- _____ **Clutch** - group of eggs laid together by the same bird at the same time
- _____ **Dissuade** - to persuade someone not to do something
- _____ **Environmentalism(s)** - someone working to protect the natural world
- _____ **Scant** - "less than scant" means fewer than few
- _____ **Refuge** - shelter, a protected place for animals
- _____ **Conscience** - sense of right and wrong
- _____ **Adverse** - unfavorable or harmful
- _____ **Stewardship** - protection of something considered worth caring for and preserving
- _____ **Allure** - an attractive quality
- _____ **Nonchalance** - indifference; seeming lack of concern for situation or events
- _____ **Sultry** - very hot and damp
- _____ **Participatory** - event with active participation by those in attendance
- _____ **Palpable** - emotional response so intense as to be almost physically felt
- _____ **Protracted** - lasting a long time
- _____ **Swashbuckling** - adventuring
- _____ **Aborigine** - native from the earliest known inhabitation of an area
- _____ **Preconception(s)** - ideas formed in advance of the data and known circumstances



SusanBarros.com