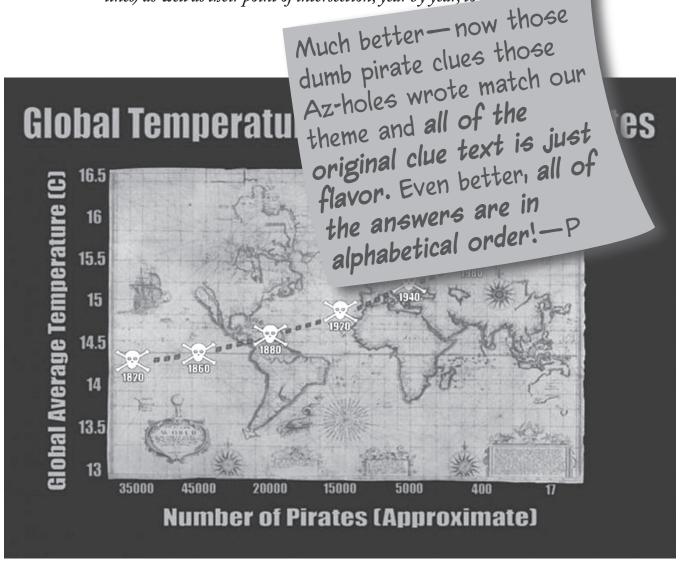
## ARRA-SQUARED

As you may know, pirates are statistically correlated with global warming. See the graph below, which has shown up in places as varied as Forbes.com and the Church of the Flying Spaghetti Monster (feel free to look it up, but it won't give you any puzzle relevant information). We found some other piratical correlations, but we think they may be spurious. Maybe you can find better pairings (which may have nothing to do with whether they are presented as solid or dotted lines) as well as their point of intersection, year by year, to get an analysis of the graph below, which may have nothing to do with whether they are presented as solid or dotted lines) as well as their point of intersection, year by year, to get an analysis of the graph below, which has shown up in places as varied as Forbes.com and the Church of the Flying Spaghetti Monster (feel free to look it up, but it won't give you any puzzle relevant information). We found some other piratical correlations, but we think they may be spurious.



From https://www.sisense.com/blog/global-warming-caused-lack-pirates-bad-graph-lessons/. For illustration purposes only.



New exegeses in which Abel's brother holds Movies in which Nic Cage walks down Avenue relevant knowledge (7) A (4) Tickets sold to Parliament's Large Funk Decrease in auditors' unit of stock (4) Mash-up (9) 23 | 16 17 | 11 8 | 12 | SCA conventions where wenches hem Sales of good shelled hazelnuts (7) raiments loosely (11) vs. IMDB rating of the most popular movie about Weeks in Phoenix where it is hot all day (4) an OS with a bit of humor (4) 21 | 15 13 | 13 Top ten albums that contain a religious song Sales of cereal with a bit of echinacea (5) for the listener (3) vs. vs. Miles that the Eastern Gap is receding (4) Increase in furniture store contracts (3) 13 | 10 



17 | 12

1 | 13

20 | 13

12 | 11

5 | 1 | 11

Number of times the school jock is sore after Obscurity of the place 80s pop icon Adam gym class (7) performs most often (5) MLB players who hit more than Maris and Number of sports in which a father holds a relatively short record (4) Clemens, reportedly (7) 12 | 13 14 | 13 | 17 18 | 13 8 | 13 22 | 17 | 17 | 17 | 12 Heads of State helping Europe Radio announcers going from nasal twang to vocal fry (4) develop new currency (3) vs. Percentage of the GDP that is held back by Sales of meats in a extract of balsamic (3) economists (5) 14 | 17 9 | 10 | 10 16 | 18 Dishes offered at P.F Chang's featuring hearts Ticket sales for a movie featuring Bo Derek near a river with a bit of lingerie (8) of fennel covered in soy sauce (5) vs. Hits on a video where millennials cram 50-51 Birthrate of British royals who ain't crazy (4) into a Trailblazer or Explorer at one time (8) | 15 | 15 | 15 13 | 12 | 12 | 12 19 | 14 | 20 | 16 | 12 16 | 10 



## SIPS- SEE SEE

We've been gathering information about a small pirate fleet guarding a very impressive collection of treasures. We've stolen a grid of letters and numbers (below), as well as two cards (attached), that supposedly tell us how they deploy their fleet. Here's what we know:

- 1. They have ten ships in four different sizes, as depicted below.
- 2. Each card somehow encodes a different deployment of this fleet to the same area.
- 3. Each ship has a pennant that it flies no matter where it's deployed. These pennants are shown on the ships below.
- 4. Within one deployment, no two ships will ever be adjacent to each other, even diagonally. If you can figure out these two fleet deployments, we may be able to find their hidden treasures by seeing which sites they make sure are guarded.

If you can figure out these two fleet deployments, we may be able to find their hidden treasures by seeing which sites they make sure are guarded.

We built some amazing

## The Fleet



The Grid

(duplicated for ease of solving)

cards for this puzzle, but Phlogiston destroyed them and stole our blueprint! We have no idea where it ended up, but if you find it there should be a clear way to reconstruct the cards!—A

T	3	Α	L	K	P	2	L	В	M
1	R	S	4	2	0	N	E	N	2
Ι	Y	S	2	1	0	0	2	3	1
T	P	2	С	4	1	1	3	Y	R
A	2	3	1	Ι	S	G	D	U	2
L	F	1	0	N	L	Α	4	1	N
1	В	С	2	R	Y	L	5	2	1
N	Ι	1	3	S	2	2	Н	N	H
E	Т	1	Ι	U	L	3	R	G	S
Ι	4	4	0	3	L	1	S	Y	R

P 2 2 4 0 N E 3 S 2 1 0 0 1 1 1 Y R 3 Ι S G U 2 D N L 1 0 Α N 2  $\mathbf{R}$ ΥL 1 3 U L 1 3 L 1 S





Arr, mateys! Welcome to Smugglers' Cove, a haven for the

lowest, scurviest rats ever seen scurryin' aboara didn't realize our piping would attract your little friends.—P

(This page has been eaten by rats.)