

Global Shark Attacks





Inaccurate Information

media uses and perpetuates a fear of sharks for profit

proper perspective

- only a small percentage of sharks are considered potentially dangerous
- for each human killed, we slaughter millions of sharks per year (73 million the year before the article)
- sharks are a valuable predator
- they are vital to the ocean ecosystem

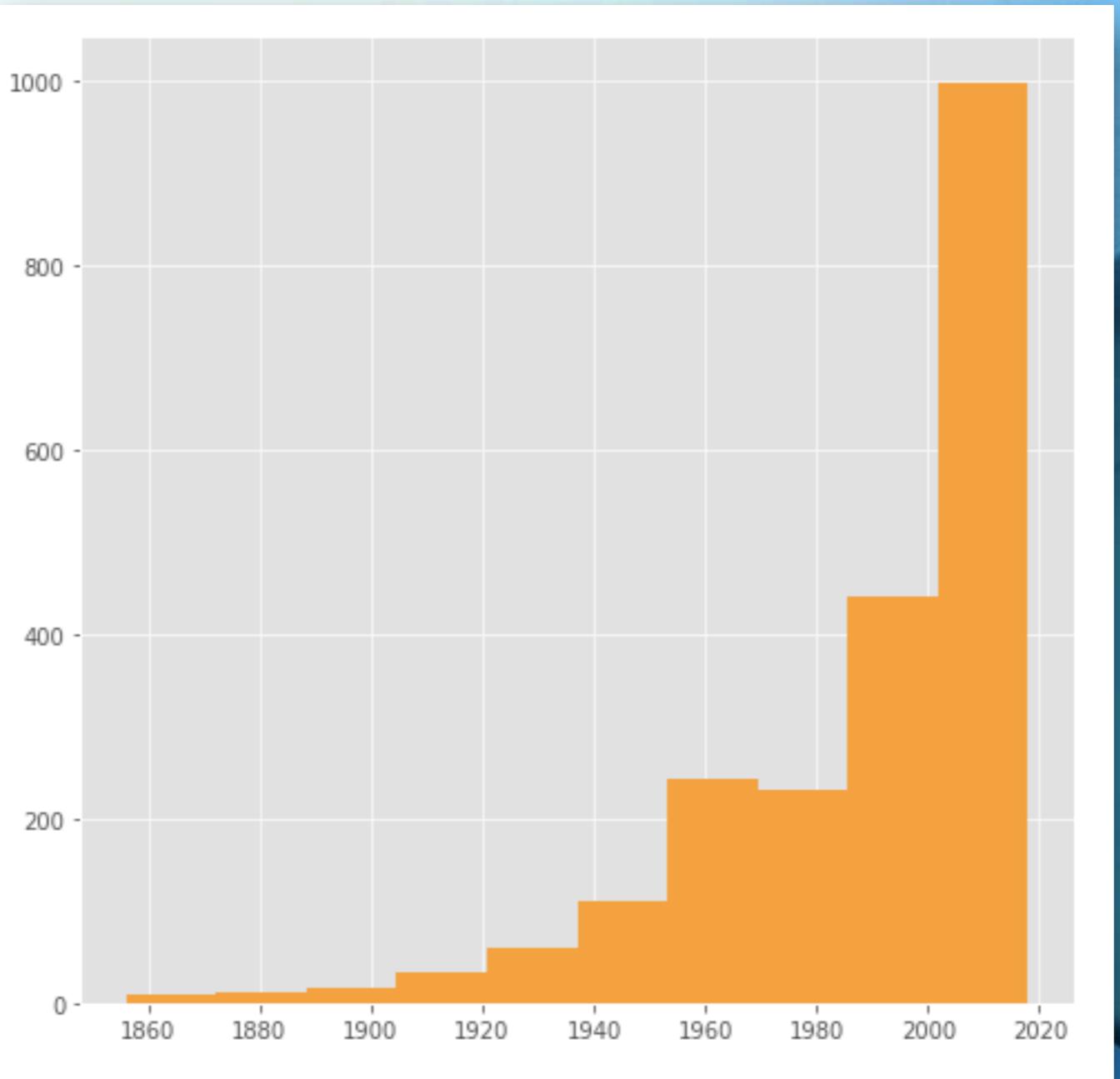


global shark attack file

analyze information from actual attacks to understand
when and why attacks occur

modeling methods

- logistic regression
- random forest
- adaboost model



shark attacks per year

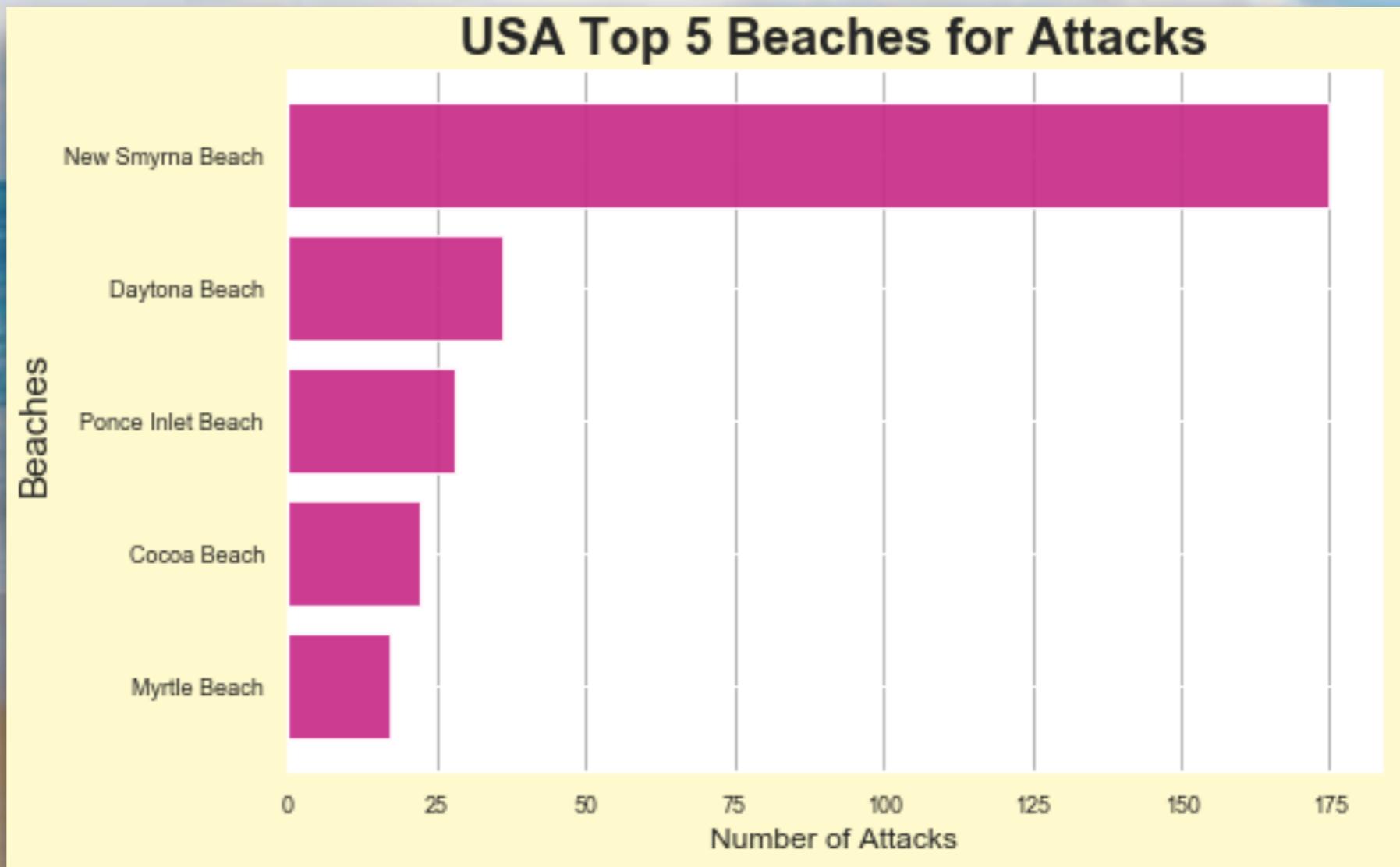


where in the world?

The top countries for attacks:
usa ~ australia ~ south africa ~ brazil ~ new zealand ~ bahamas

the state of the shark

- florida
- california
- hawaii
- south carolina
- north carolina
- texas





activities of attacks



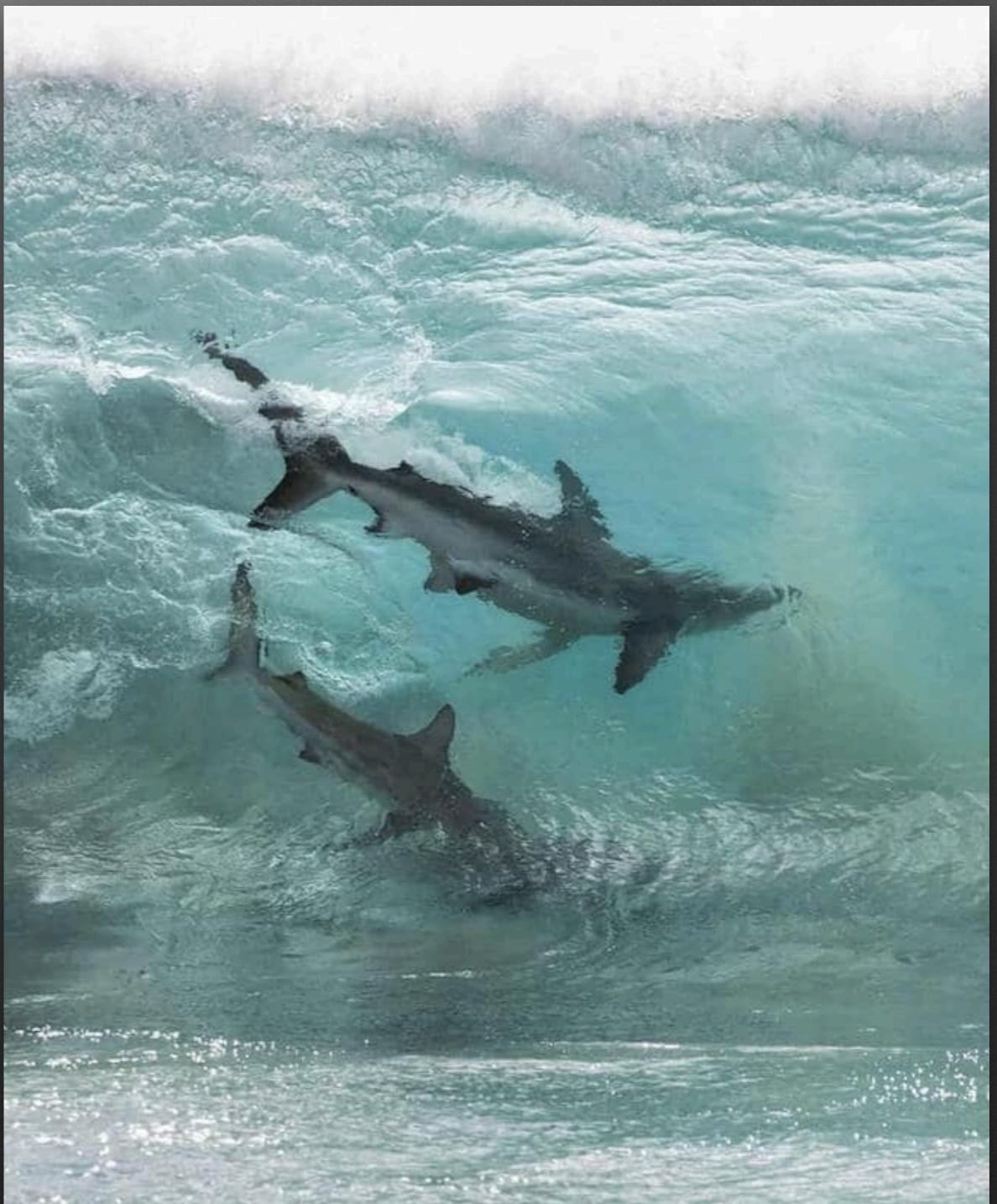
significant stats

- unprovoked
- non-fatal
- male
- mid teens - mid 20's
- afternoon



future fact finding

- how common are shark attacks
- why are certain beaches more susceptible
- what more can we do to decrease the unprovoked attacks
- what is their natural behavior

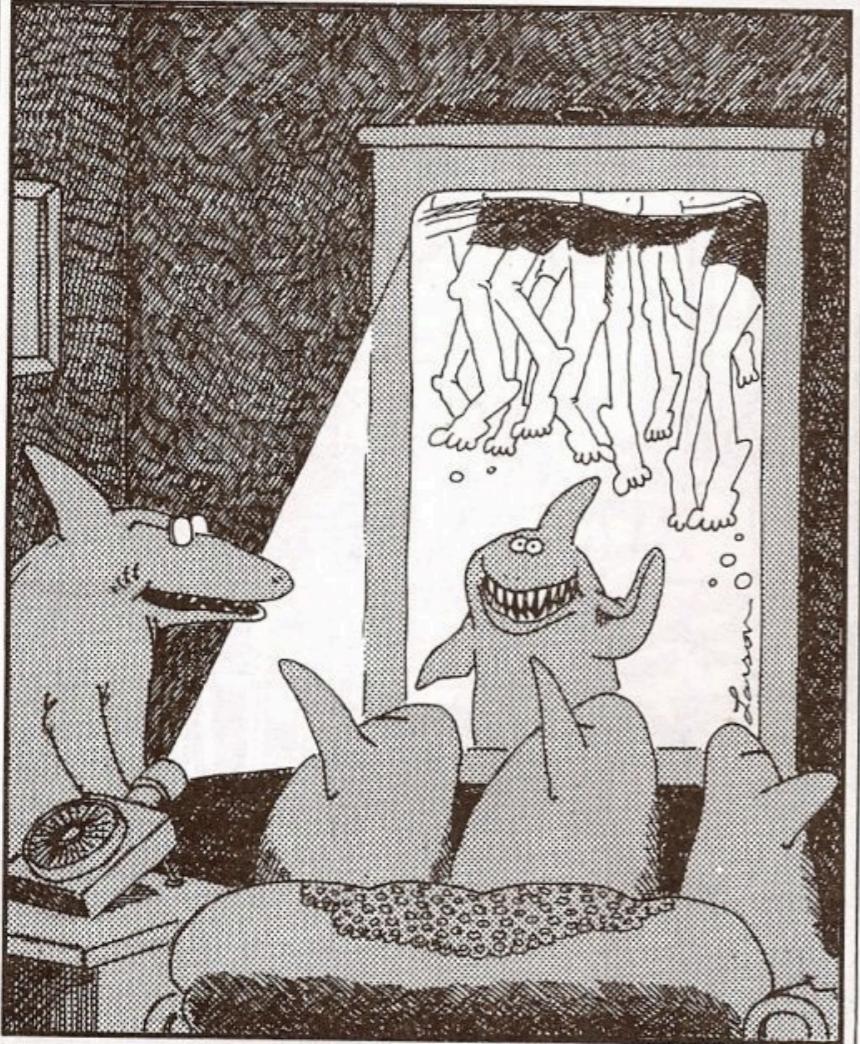




Bethany
Hamilton



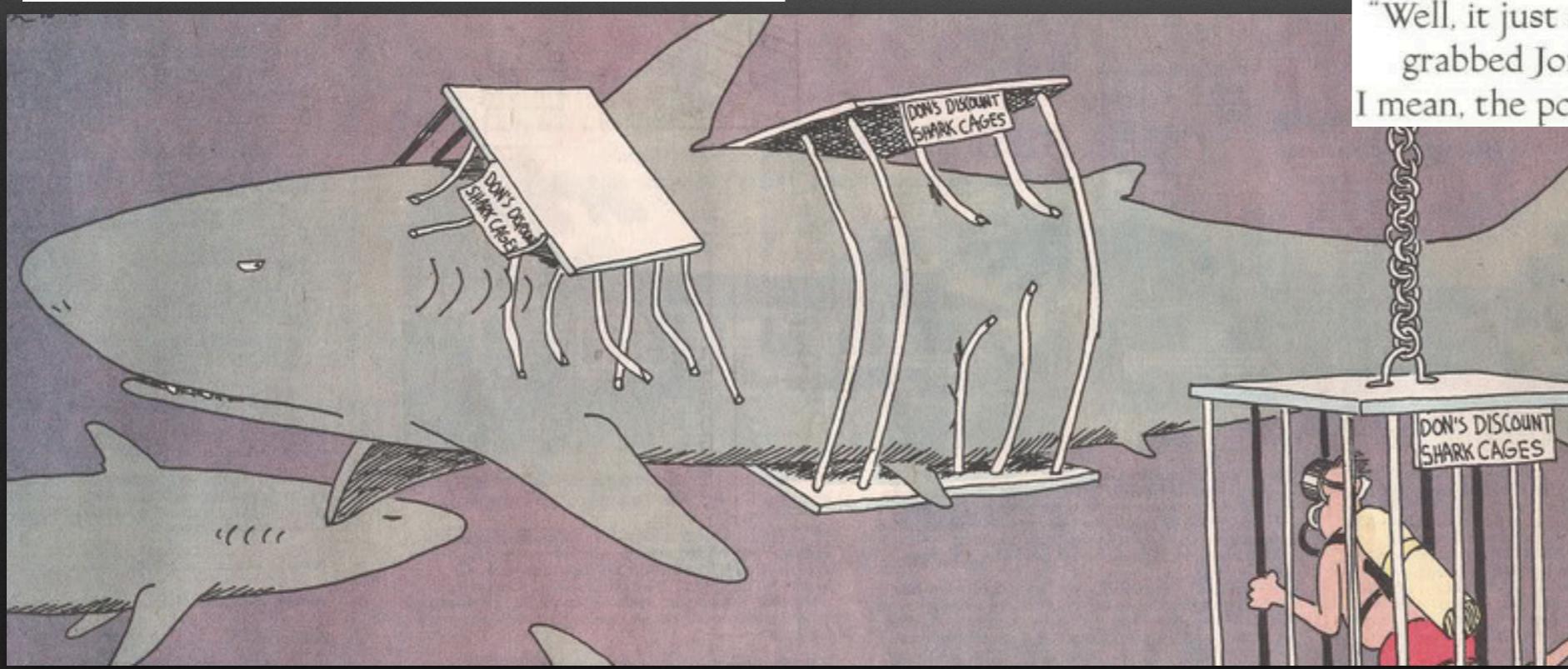
for the
fun of
it!



"And here we are last summer off the coast of... Helen, is this Hawaii or Florida?"



"Well, it just sort of wriggled its way up the beach, grabbed Jonathan, and dragged him back again. I mean, the poor thing must have been half-starved."



far side by gary larson



thank you

presented by jenyl murdock