

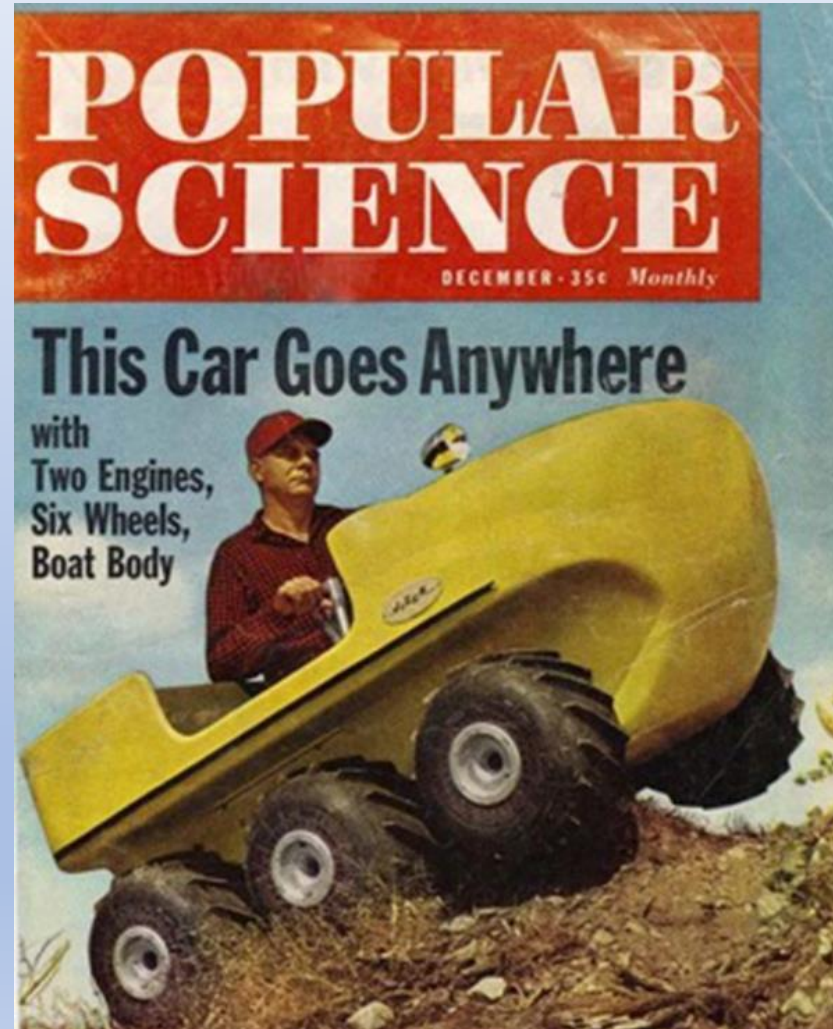
# **Attex Racer Project**

MCCTC CBI Program

# Some Background

**1959**

**Beginning in 1959, a man named John Gower builds the first 6-wheel drive, amphibious vehicle. He calls it the "Jiger".**



The new vehicle is like no one has ever seen before. Innovators from all walks of life began to create their own amphibious ATV companies. By 1970 there are over 140 manufactures of 6x6 amphibious vehicles.



**total performance**

**CHAPARRAL**  
INDUSTRIES, INC. • DIVISION OF FTS/INTCO  
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**ELECTROLUNG** - 1000-Foot Scuba? Page 114

**INDIANAPOLIS 500 PREVIEW** Can the Can-Am Wings Blitz the Brickyard? Page 98

This Jet-Powered All-Terrain Vehicle Really Moves In Water Page 98

**SPECIAL 32-Page Keep-It SECTION**

**CAMPING '70**  
IDEAS • TIPS • EQUIPMENT

- New Mini-Cameras
- Stay-Hot Serving Cart
- Four Swifiting Weekend Projects
- Saturday Morning Projects

Owners Reports: Mustang, ...

Introducing... **ACTION-AGE**

the last word in go anywhere vehicles from the first name in all family recreation

**ACTION-AGE** ... everything you need to make this your biggest year for sales action.

**max**

**Technical Stuff**

**Max Features**  
Electric start. Reverse gear. Sealed beam headlights. Four-inch steel channel frame. Tapered axle bearings. Baggage compartment. Body of HDPE.

**Max Specifications**

Length	86"
Width	56"
Height	37"
Wheelbase	50"
Weight	600 lbs
Engine	2-cycle JLD 20, 30, 36 HP
Drive/Shaft	4
Transmission	11 x 30, 1.5-2 psi
Tires	Land 30 mph, water 2 mph
Speed	

**Max Accessories**  
Useful and recommended things like roll bars, seat belts, trailer and hitch, fish-catch windbreak, covers, convertible cab and doors, a kit to add taillights.

**Go all the way... all year!**



**The new ATV's had become so popular that Bill Fischer of Fischer Construction Co. built Pine Lake Raceway: America's first ATV racetrack. That started the national racing circuit operated through NATVA (National All-Terrain Vehicle Association). Racing continues to this day!**



# Our Project!

**From this.**



**To this!**



# Project Overview

## **Tear down the machine**

- **Inventory parts that can be reused**
  - **Bag and label parts and keep an inventory of them**
- **Inventory parts that will need to be replaced**
  - **Bag and label parts to keep to compare with new parts to ensure that they will fit**

## **Order new parts**

- **Look up new parts**
- **Order new parts**
- **Reconcile shipping receipt with new parts**

## **Clean and Paint parts that will be reused**

- **Includes glass beading**

## **Clean and repair the body as needed (may include polishing)**

- **Assemble machine**

## **Test run engine and machine**

**Fabricate new parts if/when necessary by collaborating with some of the other programs within the school such as Welding, and Precision Engineering.**



# **Possible Field Trip!!!**

**Ultimately take a field trip to Pine  
Lake Race Track to test run the  
new racer.**

- **Meet other racers and their machines**
- **Trail rides**
- **Food**