

## 'Impossible' Engine Invented for Real

MADISON, Fla. (UPI)—Writing a science fiction novel for his own amusement eight years ago, Bob Teal dreamed up an "impossible machine."

Today it's working in a shed in his yard.

The 53-year-old retired electronics engineer has invented a motor run by electromagnets. He calls it a "magnepulsion engine" and believes it could set the world of propulsion on its ear.

"The first reaction of everyone is: 'Hey, it can't work,'" Teal said. "But here it is, and it works. You've got to see it to believe it."

Teal flicks the switch. Pulsating direct current electricity from a small motorcycle battery travels through his secret timing device to six electro-magnets, only an inch in diameter.

The magnets, in turn, start a 75-pound flywheel whirling. The working model of Teal's magne-pulsation engine can spin the flywheel at a maximum of 800 revolutions per minute.

He doesn't have the equipment to measure its horsepower but says "if you try to hold the crankshaft it'll tear up your hand."

To demonstrate its usefulness, Teal has his 100-pound machine hooked up to run a table saw.

Teal's invention requires no fuel, emits no gasses and is very quiet in operation. It has few moving parts and needs little maintenance.

Teal's model is a crude piece of equipment held together by a wooden frame of two-by-fours and two-by-sixes.

"You should have seen my first model which worked," Teal chortled. "It had wooden shafts, wooden rods and wooden bearings. I powered it with a flashlight battery."

He makes a "way out guess" his engine could be mass-produced to propel automobiles at a cost of about \$300 to \$400 per unit. It also could be adapted to run airplanes, boats, power plants, and many other devices, he said.



# Tallahassee

Democrat photo by Ken Klanicki

Madison inventor, writer says his new engine works  
 ... but he hasn't interested Askew or Carter in it yet

## 'Magnipulsion' is answer to energy crisis—Bob Teal

By DORIS MORGAN  
 Democrat Staff writer

MADISON — A retired engineer who works in a small shop at his home in Madison says he has invented a machine which might be the answer to the energy crisis.

B.R. "Bob" Teal said he got the idea for what he calls his "magnipulsion" engine when he was writing an still-unpublished science fiction novel.

After retiring from an engineering post in Hawaii with Ling Temco Vought in 1972, Teal and his wife Beatrice moved to Madison where he decided to try out his idea.

Entering Teal's backyard workshop, you see two stainless steel contraptions with wires and switches stuck here and there, his latest magnipulsion engines.

After explaining that the thing is started with a car battery, Teal flips several switches which sends current to the magnets placed around the engine.

The one horsepower engine which sounds like a sewing machine while operating, is the sixth in a series of electromagnet machines which Teal has developed since he began in 1972.

While the pistons pump up and down, much like a car engine through their magnetic cylinders, the pulleys spin around. Speed is reduced or increased by the flip of a switch that controls the power like the dimming of a light bulb.

"As it is now the machine can power shop tools, water pumps, or conveyors," Teal said. "You can add horsepower by adding magnets."

"I have built six engines and the latest will operate a 20-ton conveyor," Teal said. He said he bought the car batteries more than a year ago and they have never been changed but once.

Teal says his invention could save coal and oil which are now required to create electricity. "A small magnipulsion engine could operate a home central air conditioner for about 50 cents per day," he said.

Teal has had inquiries from all over the nation about his engine since the wire services carried a story in May 1976.

Overflowing files in his home office contain correspondence he says, from private individuals offering money, research and development firms and, government officials who say they are interested in the engine.

However, according to Teal, they want him to come to them and he doesn't have the money for trips all over the nation.

"I have invited Carter's energy people and Governor Askew's office to come down but I don't know when they will get here," Teal said.

Georgia developers seem more interested than others, according to Teal.

Teal said one backer from Valdosta, Ga. had offered him a 50,000 square foot building with equipment and financing for his work.

While he declined to name the backer, Teal said he planned to take the offer if government officials don't show interest pretty soon.

"I'm out of money and don't want to sell the engine to some company to be shelved because it is inexpensive to build and operate," Teal said.

This is not the first invention for the retired engineer. While working with RCA under contract for the Navy, Teal invented a device for measuring and stretching radio cable which saved much time and money for the Navy.

Teal explained that the radio operations had previously been down for two or three days when cable repairs were necessary. With his "Teal Tube" the radios could continue operating while the repairs were underway.

The inventor proudly displays letters from Navy officials giving him credit for the discovery. However, since Teal was under government contract at the time and working with government equipment, the invention belongs to the Navy instead of the individual, he explained.

Teal has patented his new engine and says it would take approximately one year and about \$350,000 to get the engine onto the market. Horsepower could be increased as the buyers desired, by adding more magnetic pods" to the original engine.

The inventor says he invites any one who is doubtful or interested in possibilities of the machine to visit his backyard shop at 611 West Marion St. where he continues work on the project every day.

"Most people won't believe it until they see it," he said.

This reporter saw it and doesn't know if she believes it or not.

# Madison Man Builds New Engine

By ELIZABETH BUTLER

MADISON, Fla. — The writing of a science fiction book eventually led a Madison resident to invent an electromagnetic engine which he says emits no pollution and takes little current to operate.

B. R. "Bob" Teal, a retired electronics engineer and author, has one patent and two pending on his invention.

"I wrote a science fiction book several years before retiring and I needed the story plausible — an engine that emitted no pollution — noise or air pollution — so in my mind at the time I named it magnipulsion.

"Then after retiring in Honolulu in 1972 we came to Madison to live and having nothing else to do, I decided to build the engine. I built it and it works."

Teal, 54, said scientists and engineers have come from all over the country and confirmed that it does what they consider to be impossible.

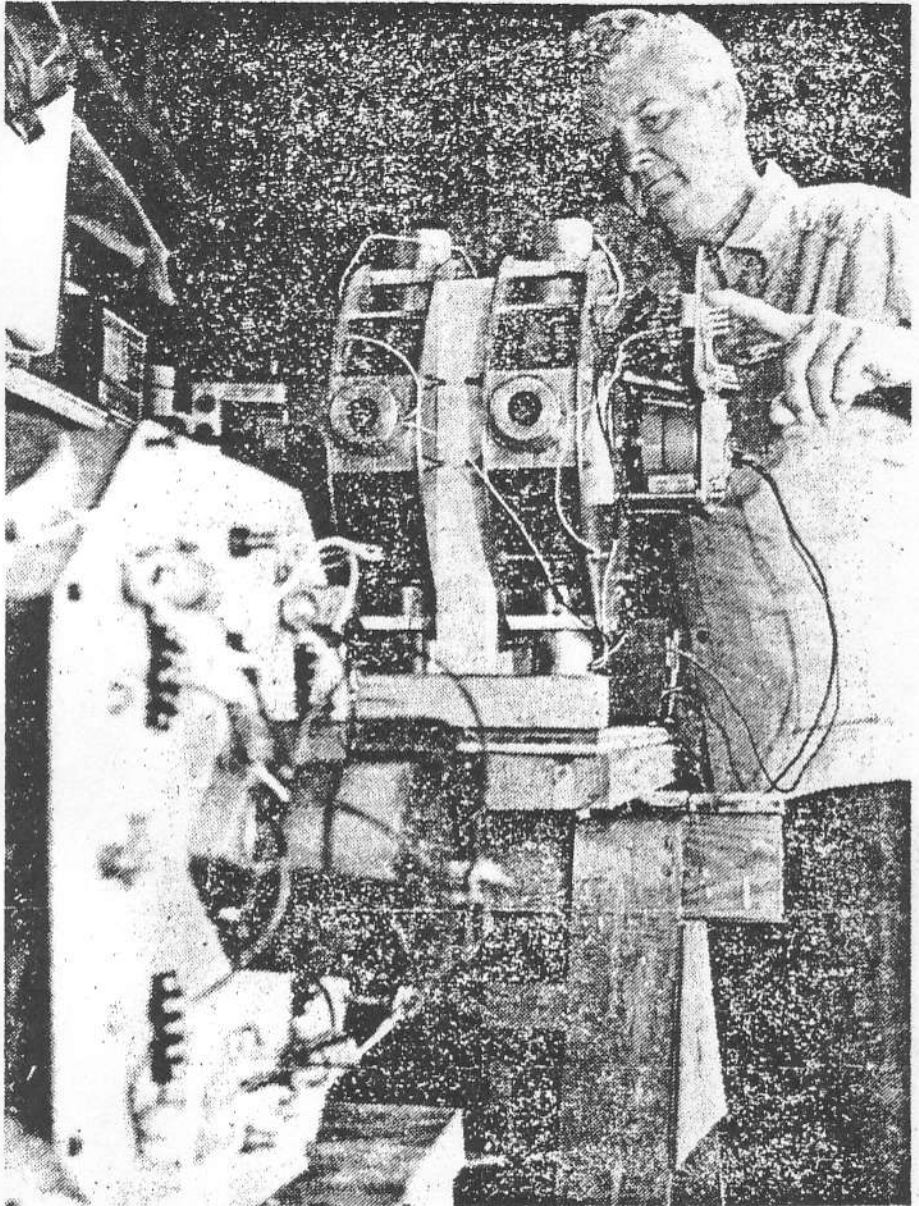
"I have built six engines and the latest will operate a 20-ton conveyor," said Teal, who was born in Morven, N.C., about 60 miles from Charlotte. "It operates from a standard car battery and draws an extremely small amount of current. I bought the car batteries over a year ago and they have never been charged but once."

Teal constructed his first engine of wood within a few weeks to see if it would work. The second engine was a crude one of metal and later he went to Jacksonville to get parts made for a proto-type.

"I have dreams of building one large enough to run cars and boats," Teal said. "Judging from what I have done so far, I guess it would cost about \$400 or \$500. There are very few moving parts so you would not need highly trained mechanics."

Since the United Press International carried a story of his invention in May, 1976, Teal has received hundreds of letters about the invention from around and the world and has answered all of them.

"I have been attempting to get the government interested in hopes of getting a grant to build a shop and hire qualified personnel," he said. "If I don't succeed in the very near future in getting the grant, my attorney is preparing to go public and sell stock."



—Times Staff Photo By Ken Klanicki

## Bob Teal With His Machine

Teal said telegrams from all over the nation, including Florida, California, Oregon, Utah, Nebraska, Minnesota, Alabama, Georgia, West Virginia, Virginia, Maryland, New Jersey, North Carolina, South Carolina, Illinois and Ohio, from foreign cities, such as Guam, Hong Kong and Tokyo have been sent to President Jimmy Carter asking him to investigate the potential of the engine.

The electromagnetic engine is not the first invention for Teal. While working as a RCA engineer and filling a contract with the Navy in 1964, he was responsible for a classified invention which related to radio frequency cables and was valued at \$50 million. "I didn't get

a penny for that," said Teal, who has a letter from the Navy Department giving him full credit for the invention.

Teal, who attended Wofford College in Spartanburg, S.C., and the University of Hawaii, retired from the Coast Guard after 20 years in 1962. He then worked for Ling Temco Vought, RCA and finally went into Civil Service work with the Air Force, retiring in 1972.

During 1976-76 he wrote a column, "Is Justice?" for the Madison Carrier and last year he published a book of poems.

He is married to the former Beatrice Mae Cole of Baltimore, Md., and they have two married children.