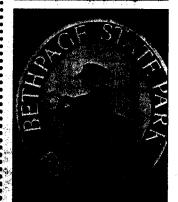
BUSINESS & TECHNOLOGY

Grounno Contiro

Raymond Joao has dreamed up hijackers' worst nightmare a device that thwarts them from the tower

By Wichen Spot Page Do

INSIDE STORIES



Which Cartoon Character Does The U.S. Open Logo Look Like? A.J. Carter, D3

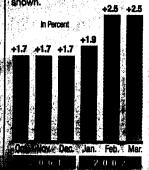
CA WORLD

As Convention Starts,
Firm Faces
Challenges
From U.S.
Government
And Sam Wyly
D5

PULSE

Consumer Prices

Though inflation is up slightly in the metro area, it remains under control. Figures show increase in overall prices during 12-month period ending in the month shown.



More economic statistics on D7



the White House Large populations Contact with the trew Contact with the rew, or it no contact is accomplished, and that the crew has been disable of the plans would be taken trol, its course changed and its There has been major subject of also the over surges that there explosives, and crash there are is designed to work at is designed to work on book is designed to work on possession controls and steering.

Bediuse of the Sept. It terrors are all the sept. It the sept. It the sept. It is a sept the Air Line Pilots Association, was un air the whether the system would guarante the passengers. He said "the problems are cated," in setting up a system to take or a post land a lane. land a plane.

A spokesman for the Federal Aviation Adviation of the Section of t land plane. nology in the aviation fields Rentols drones such as Predator, made by General and Aeronautical Systems in San Diego; are plants Aeronautical Systems in San Diego, are place
key role in the war in Afghanistan.

And Boeing has been developing a robotic plot less strike aircraft called the X-45, which it is supposed to have a test flight later this year.

Meanwhile, Joso plans to develop his system on Long Island — and to perhaps build a new ficture.

"There are certain things we need to develop, like software, and many other things that go into the system, and the fact that we have the patent for those puts us in a good spot," he said.

"I intend to force partnerships and strategy, att."

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"I intend to force partnerships and strategy, att." "I intend to forge partnerships and strategic all-ances with many of the Long Island technology com-panies and Internet technology firms as well. We're ty to also keep track of the critical in-flight black box in the formative stage right now, but I intend to leave on Long Island because of the technology expertise already here. "The defense industry was once major on Long Island," he said. "But now, what I see is the ability to take this information technology and put it into a military application. You can utilize Internet echnology and you can apply that now to a defense indus-

try," he said.
"It may help Long Island to become a military contractor again in this new era, using information technology. We own the critical intellectual property. Joad added, "We want to get Stony Brook Universi-

ty involved. Stony Brook is one of leading engineering schools in the country.

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He has met with Yacov Shamash, the dean of the College of Engineering and Applied Sciences and the Harriman School for Management and Policy at SUNY Stony Brook, to discuss the project. Shamash

is also the vice president for economic development. Shamash said, There are things we can work on with a lot of companies. They have ideas and they want to try them out. They may not have the manpower to do it, so they would essentially work with the university and let the university help them devel-

Some elements of Joao's system are currently available, such as auto-pilot and the video surveil-



mwan terrofists on land, sea and air.

partner with some company that makes them and have them make it adaptable for use in the system."

information. There would be a steady stream of such information, both technical and voice information, recorded at a remote area away from the aircraft. In case of an accident, or other incident, information would always be quickly available, and there would be no need to ever again search for the black box. The black boxes of the planes that struck the World Trade Center buildings have yet to be found.)

Schiavo, also a professor of aviation, said that the overnment has concerns about air safety, other han with hijacked airliners. She added, "I know than with hijacked airliners. She added, ne's [Joao's] thinking big planes and saving people's lives, but my personal opinion is where we're going to have the next round of problems — and the industry and the government have absolutely no idea what to do about it — is with smaller [private]

"You could simply pack a tiny jet with explosives and fly it through the Capitol and you could do as much damage as a 767," Schiavo said. If you put such an override capability on smaller planes, then you've solved a huge problem, because we have no idea what to do about private planes."

Jozo's system is designed to do just that. His override system could divert the small plane away from certain areas and land it safely.

Joao's interest in such a system was sparked by the 1999 crash of the chartered Learjet which killed pro golfer Payne Stewart and five others on board.

Stewart and the others were incapacitated by the loss of cabin pressure and failure to obtain oxygen. Military pilots sent to observe the unresponsive craft reported that the cockpit windows were iced up, but there was nothing they could do. Joso's sys-tem could have monitored the pressure and oxygen levels in the cabin and deployed oxygen before and then even land the plane.

A remote system might have also been useful in the case of EgyptAir 990, which crashed into the sea 60 miles south of Nantucket Island. The National Transportation Safety Board recently concluded that a co-pilot's "manipulation of the controls" caused the crash that killed 216 people.

Schings said that federal agencies tried to implement certain systems years ago, such as video surveillance, but encountered strong opposition from pi-

There been a big proponent of video in the cockpit for some time," she said, "because the National Transportation [Safety] Board has been a proponent ever since EgyptAir. Had we had it, we probably could have saved one or possibly two of the 9/11 planes because we would have known what was going on."

