



He and his father, Wayne, have been manufacturing aircraft since 1977 as part of Advanced Aviation. Kerry started six
years before that when in the ninth grade, he designed and
flew his own hang glidners. If you really want to get technical,
his very first aircraft design was one he and some freinds built
while in grade school. It used bed sheets for fabric and assorted parts scrounged from go karts. It had a Briggs & Stratton
engine and a propeller whittled out of 24d. The contraption was
able to move under its own power at 12-14 mph.
Kerry's latest design, with help from business partner and
codesigner Paige Lynette, is the new Sing Ray single-seat
amphib. It wasn't completed at the time of my Seakey flight, but
by the time you read this it will have flown. (We 've included
specs on this one, and we'll have a flight report on it in a
fature issue.—Ed.)

## Lake Parker: Kerry Richter. Meeting the Designer Two weeks later I visited the Progressive Aerodyne factory in Orlando where I learned that Kerry not only demonstrates the SeaRey, leads to designed it. 10td Kerry that I had a two-fold purpose for being there. One was to do this story, but I was also amphibian myself. I fold him that until I saw the SeaRey, the Buccaneer had my eye. At that point in my visit, my more cynical half expected a sales pith for the SeaRey and some negative comments about the Buccaneer, but instead, Richter just Similer and said that he had helped designed that ariplane, too. Actually, Bobby Bailey did most of the design work on the Kerry had done the design work for the Buccaneer II—with help from Richter and John Greunet—but Kerry had done the design work for the Buccaneer SX singleac amphib. In fact, Richter has designed 13 different aircraft including the Cobra, and the Explorer.

Checking Out the SeaRey
As Kerry pointed out, the SeaRey is what he calls a light aircraft, not an ultralight, since it is heavier and faster than that calgeory allows. Thus it is available only as a homebout aircraft
registered in the experimental category.
At Progressive Aerodyn'e Startory, I found that the aircraft
was as beautiful inside as it was on the surface. The experience
that the Richter family had building aircraft for the past 18
years shows in the professional quality of construction and

well-organized plant.
Progressive Aerodyne is very much a famil y business. Besides Wayne, Kery's mother, Riba, and wife, Michelle, also work there. I also had the opportunity to meet Gean Fabre. As his name might imply, Fabre is a Frenchman who is the Progressive Aerodyne dealer in the Turks and Caicos Islands. What better way to learn about the moduct than

the Turks and Caicos Islands. What better way to learn about the product than work in the factory?

"We have employed basic ultralight construction in the SeaRey," Wayne said. "The basic airframe can be said. "The basic airframe can be wiring and aviories are what takes the majority of the time. You've got a bolt-together tubular airrarff, and you put it all inside the hull. When a person gets it, there is no welding or fiberglass work to do at all."

or all."

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or all weating to inceigues with everyting needed to build the aircraft. This,
includes airframe, engine, basic instruments, hardware and finishing materials.
It all fits nearly into one long box it
weights about 1200 pounds.

The engine is shipped in a separate
box. They recommend one of three the
two-stroke 65-bp Rotas 582, a for the
fourstroke 65-bp Rotas 582, for the
fourstroke 80-bp Rotas 912. The kit cam be
supplied without an engine, but the
engine you install must be approved by
Progressive Aerodyne to complete the
sale.

engine you ristain mise on approve as per Progressive Actamoty to complete the sale.

Kerry said the 80-lip 912 doesn't per-form much better than the 65-lip 582 because it weighs about 80 pounds more. It also costs nearly twice as much. The list price as of May 12, 1995, was 5341 for the 912 and 53430 for the 582. On the other hand, he 912 only burns 3.5 gph with the 982 burns 4.3 gph with the added requirement of premixed fuel. The big difference is that the recom-mended overhalm time (TBO) for the 582 from hours with the 912 has a TBO of 1900 hours and is expected to to 2000 hours soon. Kerry feels the 912 would be the most cost effective by the time you put 1500 hours on it. In the meantine you do enjoy a slightly high-er rate of climb and cruise speed.

Flying It
The company keeps its demo aircraft at Florida Flying Gators Airpark, about 20 miles away. We picked up some fuel at a gas station on the way to the field. Rotax recommends supreme unleaded auto fuel, 93 octane. The demo aircraft has a 912 engine. (The photo subject



SeaRey

SeaRey for this article was the consistent prototype graphed by Howard Levy at Sun' is Flyn at Sun' is Flyn



senger. It brakes both mainwheels at the same time. Steering is provided by the fully steerable Maule tailwheel, which

fully steerable Maile tailwheel, which releases to full castor.

Our takeoff roll was 200-300 feet, like the brochurer said, and the climb rate was an impressive 700-800 fpm. The temperature and humidity were in the high eighties. This may not seem all the high eighties. This may not seem all the high eighties with the camp of the seem of the high eighties. This may not seem all areas and a seem of the high eighties of the hi

Getting We dropped into one of the nearby We dropped into one of the nearby lakes for some water work. There was just a light breeze of less than 10 mph with a slight chop on the water. Kerry said they recommend an approach speed of 65-70 mph. When a person becomes familiar with the airplane, you can drag it in slower, but he trains them to come in at 70; if you have some gusts there is a marrien.

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EPHRYS - FEBURS -NORTHWEST EAA FLY-IN Exec 162F

NORTHWEST EXPERIMENTAL AIRCRAFT ASSOCIATION FLY-IN

You can build and be flying an Exect 182F in only 300 hourst... It's last, easy, and step by step manuals show you exactly how, tho special tools, manuals show you exactly how, tho special costs and special solids. We care even train you to flex the stand rearry snywhere. hover, if you to do all the standard sary snywhere. hover, if you have dear did not any adventure with your Exe 162F, backed by 25 years of design and manufacturing.

Complete kits feature the advanced, liquid cooled powerplant utilizing reduit cooled powerplant utilizing reduit cooled you will be supported to the standard power of the standard pow

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**GUIDE TO 388 PARTS AND SERVICE SUPPLIERS** 

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The Business Angle With 18 years of experience behind them, the Richters have built a good business around good airplanes. They have dealerships in much of the country but could use more on the West Coast, they say. They prefer prospective buyers to go through a dealer but will sell direct. In that case, the dealer still gets his cut, as they do not want to undermine their dealers.

Progressive Aerodyne is constantly Progressive Aerodyne is constantly improving its product, and during the summer following my demo flight the company added fiberglass wingtips and a newly designed propeller. This increased performance by approximate-by 20%. Kerry feels they get off the water about 75 feet earlier and it has increased the rate of climb by 100-150 fpm with

SeaRey

Top Speed, mph .....

Top Speed, mph Cruise, mph Range, s.m. Stall, mph. Rate of Climb, fpm Takeoff Distance, ft. Service Ceiling, ft. Engine Used. HP/HP Range Fuel Capacity, gal. Empty Weight, ibs. Gross Weight, ibs.

Length, ft...
Wing span, ft...
Wing area, sq.ft.
No. of Seats
Landing Gear ....t.
Bldg. Materials
Bldg. Time, man hours

No. Completed/Flown.

Info Package.....

Plans Cost ..... Kit Cost .....

Gross We Height, ft. Length, ft.

the Rotax 912 engine. Also, electric flaps are now offered for an additional \$200 and electrically operated landing gear for an extra \$400, and a hydraulic pack-age for the gear and flaps is in the works.

Choices, Choices
While the performance of the Buccaneer II and the SeaRey are almost the same, the SeaRey does outclimb it and is considerably faster, especially with the new fiberglass wingtips and prop. The Buccaneer II cruises at 60-65 mph with a top speed of 85-90 while the SeaRey cruises at 85 with a redline of 115.

I found the SeaRey to be a well-designed and well-built aircraft with excellent water and flight performance. Progressive Aerodyne is a successful company with a good track record, Product support should be excellent. Besides all that, I think it is a beautiful airplane.

all that, I think it is a beautiful airplane. I can't wait to own and fly one.

FOR MORE INFORMATION contact

Sting Ray

Sting
Top Speed, mph...
Cruise, mph...
Range, s.m.
Stall, mph...
Rate of Climb, fpm.
Rate of Climb, fpm.
Takeoff Distance, f
Landing Distance, f
Landing Distance, f
Lengine Used.
HP/HP Range
Fuel Capacity, gal.
Emply Weight, ibs.
Gross Weight, ibs.
Height, ft.
Length, ft.

Wing span, ft..... Wing area, sq.ft. No. of Seats.....

Plans Cost ... Kit Cost ......

No. of Seats... Landing Gear ... Bldg. Materials... Bldg. Time, man hours . No. Completed/Flown ... Info Package...

Progressive Aerodyne, Inc.

....18,900 Notes: Specs provided by manufacturer for KITPLANES annual December

manufacturer's directory. Kit includes all parts necessary to build aircraft, including silver coat. Engine options are Rotax 447, 503, and 582. Video \$15.

# ....85 ....65 ...100 ....150.0



