



a "wiper".) These hybrids have been raised at our Aquaculture Demonstration Project for two years now. As many people know, the hybrid and the striper (or rockfish) thrive in fresh, brackish or salt water. But, spawning must take place in flowing fresh water.

Aquaculture  
By  
Johnny Foster  
UNC Sea Grant

People are beginning to get excited about striped bass aquaculture. More research is being done and more articles are appearing in aquaculture magazines and journals. One reason is that this research has developed a faster growing hybrid, which is easier to keep alive. The hybrid is a cross between the female striper and the male white bass. (It is sometimes called

Previous attempts at commercial culture of pure stripers has not been profitable. Therefore, the improved survival rate and more rapid early growth of the hybrids is encouraging. The fish may develop into an especially good aquaculture species for North Carolina. The hybrid also has a good reputation and may be easier to introduce into the mass market here than other cultured species. The hybrids look alot like

pure striped bass. The body is a little deeper and thicker than the pure strain and the stripes on its back are broken. Apparently, the hybrids grow faster than stripers for the first year or two. But, it is doubtful they will reach the maximum size of the stripers.

Fingerlings are rather scarce now. I've read one report that estimated one-half million striped bass fingerlings were raised privately for sale to the public in 1979. Of course, millions were produced by state and federal hatcheries for stock enhancement of public waters. But, while the growout of the stripers or hybrids is much the same as catfish, the fingerling production is different. To begin with, the fingerling striper or hybrid producer may have to capture the broodstock from the wild. This is time consuming, risky and only for the experienced. (But, it can be fun!) Then, about five days after the eggs hatch, the fry must be fed zooplankton or be released in a fertile pond. Young do not take artificial food readily.

A fertile pond contains natural zooplankton for the fry to eat. The fertility must be managed and maintained. Initial stocking should be about 100,000 fry.

Some insects and other animals will eat the fry, so predation must be controlled. Disease and cannibalism can be an immense problem. Later, the fingerlings can be gradually converted over to pelleted feed. After about 50 days, an average of 30,000 one- to two- inch fingerlings can be harvested per acre.

Small fingerlings are usually stocked into a pond or lake. For recreational fishing, usually 5 to 100 fish between 1 1/2 inches and 2 inches are stocked per acre. For a commercial fish farm, stocking rates would be much higher. From 1,000 to 10,000 fingerlings might be stocked per acre.

Of course, the fish farm would convert the fish to a pelleted commercial feed. In a recreational pond, the fish fend for themselves by eating smaller forage fish. It takes from one to two years to produce a one- pound fish.

The work at our project is being done by the Cooperative Fisheries Unit at North Carolina State University and is funded by the Sea Grant Program. The researchers are evaluating the production in dirt ponds, plastic-lined steel pools and cages suspended in a river. The hybrid production project is open to visitors.

Please contact me to make an appointment to visit. You will be hearing alot more in the future about "wipers."

## Carowinds

CHARLOTTE — Country favorites, the Charlie Daniels Band, will perform in the Carowinds Paladium on Sunday, September 5. The group will appear in one concert at 7 P.M. in the 9,000-seat outdoor amphitheater.

A native of North Carolina, Daniels and his band are best known for such country flavored songs as "The Devil Went Down to Georgia," "Fire on the Mountain" and "In America."

In the past few years, the Charlie Daniels Band has received dozens of contemporary music awards including a Grammy, four Country Music Association Awards and two Academy of Country Music Awards.

Their current hit single "Still in Saigon" is a touching tribute to Vietnam veterans from the Charlie Daniels Band's fourteenth album "Windows."

Admission to the concert will be \$3.00 in addition to the regular park admission of \$10.95. Tickets will be sold at Carowinds on the day of the show on a first-come, first-serve basis.

Carowinds, located on I-77 at the North Carolina-South Carolina border, returns to weekend only operation from August 28 until October 10, when the park will close for the 1982 season.

## Letter To Editor - Thank You

Dear Sir:  
I would like to personally thank you for your personal support and the message you conveyed in your stand for professional management as stated in your recent editorial. It is gratifying to know there are those who really understand what is taking place in the fishing industry. You are one of those rare people who can balance the professional role with the political realities of life.

Thank you again for the kind words. Please look us up at Osprey Seafood the next time you are going through Washington. We look forward to seeing you.  
Sincerely,  
Connell Purvis  
Director



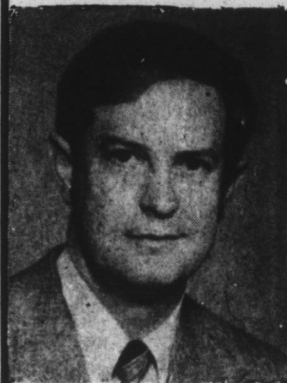
ADVISES DIRECTORS — Steve Wise, foundation director for the four Florida Junior College campuses in Jacksonville, Fla., met recently with College of The Albemarle Foundation directors to discuss successful techniques his institution has used to increase supplementary funds for the college. According to Wise, gifts from businesses and individuals have extended the capacity of his institution to provide many additional services to the community which otherwise would go unmet. Listening from left are: Dr. J. Parker Chesson, Jr., COA president; J. MacN. Duff, Winifred J. Wood, Andrew H. Williams, COA trustees chairman; W.W. Foreman, foundation vice president; and Pamela I. Whitley, director of resource development. (COA Photo)



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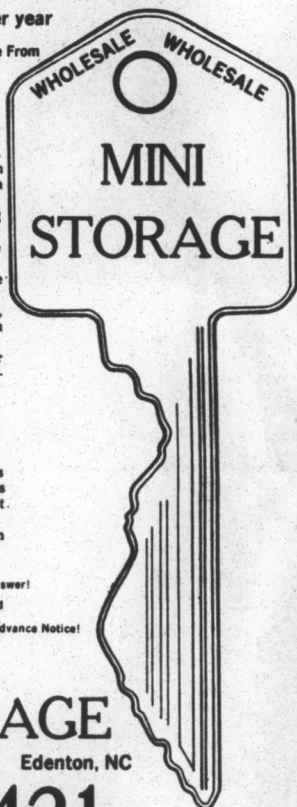
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