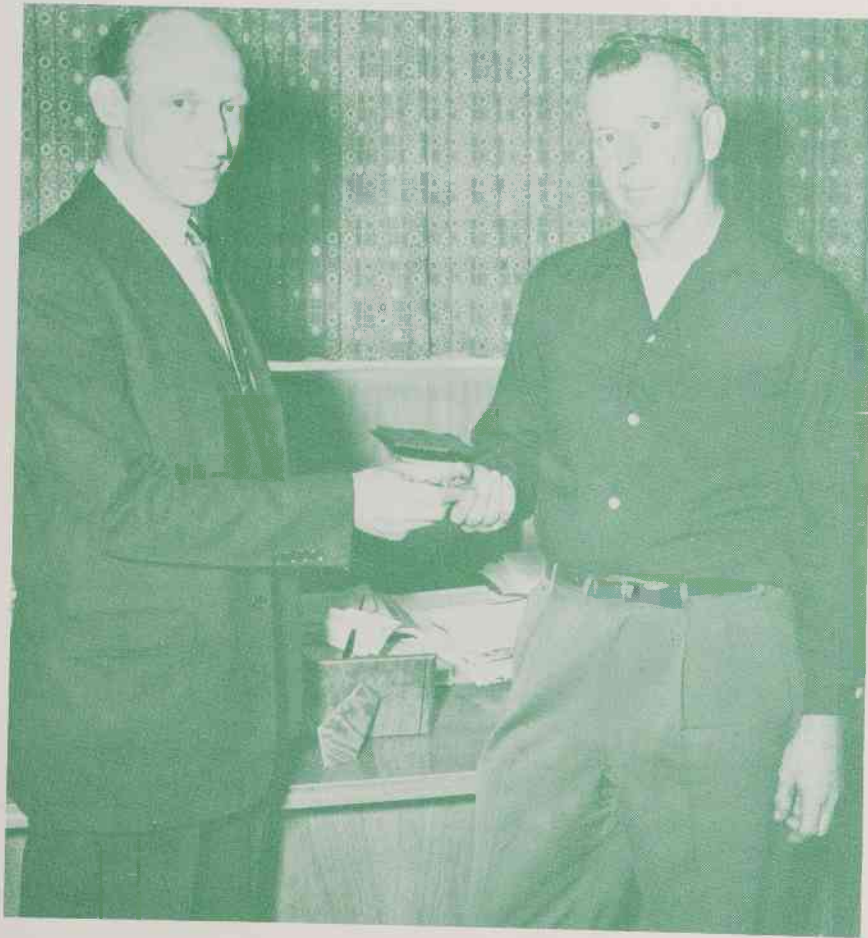


15-YEAR PIN PRESENTED



President T. H. Davis presented Norris Young his 15 year pin in recognition of the completion of fifteen years with Piedmont Aviation on October 1st. Norris started with the Company during the War Training Service Program, and his conscientious handling of customer aircraft problems through the years, has made his name synonymous with good aircraft maintenance throughout the area served by the Fixed Base Division of Piedmont Aviation.

WILLARD BUILDS MODEL VISCOUNT

D. R. "Red" Willard, Superintendent of the aircraft engine overhaul shop in INT, recently completed a six and one-half pound model of the 44 passenger Capital Airlines Viscount, which took him 1,125 hours to design and build. It has a four foot wing span and a unique engine drive system that uses one engine to drive all four props.

Mr. Willard, unlike many airplane model builders, usually starts from scratch and scales down the type he desires to build. In the case of the Viscount, he purchased a small 75¢ kit airplane which measured

about 11 inches overall and by careful measurement, he precisely translated these dimensions into the larger version, with all of the aerodynamic details carefully worked out and complete drawings made before proceeding with the construction.

Red admits that he had to do some "high-faluting" studying to brush up on his aerodynamics and mechanical drawing. He has studied engineering, chemistry and physics on his own after completing high school and manages to keep abreast of all the latest developments, in spite of the



high pressure and activity associated with his job of seeing to it that all sizes of aircraft engines are properly and efficiently overhauled.

Mr. Willard is especially proud of the model's power plant which he calls a multi-engine drive unit. All four propellers are driven by a single engine which is mounted in the center of the fuselage. The propeller shafts are mounted on ball bearings and are driven at about 15,000 rpm by belt drives.

He started building model airplanes about 24 years ago shortly after he married Mrs. Willard. She started right in building models too, and "Red" says that she is mighty handy with painting, tools, mechanical work and woodwork.

The model has not been flown as yet, and Red believes that with the right conditions, meaning absolutely NO WIND, that it should perform very well. He uses three control wires, two for flight attitude and one for engine speed.

Mr. Willard has been asked why he did not build a model of the F-27 Fairchild Pace-maker since Piedmont will be using this type aircraft. He has two reasons for choosing the Viscount. First, his engine drive design was not readily adaptable to the high wing configuration of the F-27, and secondly, he already has several twin engine aircraft, which have been successfully flown and the four engine type presented a challenge which he hopes to soon conquer.

DUTY: Something we look forward to with distaste, do with reluctance and boast about forever after.