

gull
DOUGLASTU375GA

A-D-148 3-13-61 1159A

TO JESS HIGHTOWER

FROM HU GAGOS C-13

FOLLOWING RELEASE 61-30 FOR IMMEDIATE RELEASE..

SANTA MONICA, CALIF., MARCH 13-- FLIGHT TESTS WITH A PRODUCTION TRANSPORT INDICATE THAT SERIES 50 DC-8S WILL HAVE A GREATER RANGE THAN ANY OTHER PURE JET IN SERVICE, DOUGLAS AIRCRAFT COMPANY SAID TODAY.

THEY WILL ALSO BE THE FASTEST JETS IN INTERCONTINENTAL OPERATIONS.

THE SERIES 50 DESIGNATION IS GIVEN TO DC-8S POWERED BY PRATT & WHITNEY AIRCRAFT JT-3D TURBOFAN ENGINES. FIRST OF THIS NEW GENERATION OF DOUGLAS JETLINERS MADE ITS MAIDEN FLIGHT LAST DECEMBER 20. A PRODUCTION MODEL JOINED IN THE TEST PROGRAM SOME 30 DAYS LATER.

RESULTS OF SPECIFIC RANGE FLIGHT TESTS JUST CONCLUDED WITH THE PRODUCTION TRANSPORT WERE REPORTED BY JACKSON R MCGOWEN, VICE PRESIDENT-COMMERCIAL PROGRAMS FOR DOUGLAS AS..

1. A 23 PERCENT INCREASE IN OPERATIONAL RANGE OVER LONG RANGE DC-8S NOW IN SERVICE.

2. AN INCREASE OF APPROXIMATELY 30 PER CENT IN OPERATIONAL RANGE FOR FAN-POWERED DC-8S INCORPORATING THE EXTENDED LEADING EDGE FOR THE WINGS.

3. AN INCREASE IN LONG RANGE CRUISE SPEED WHICH FURTHERS THE SUBSTANTIAL SPEED MARGIN OF DC-8S OVER OTHER LONG RANGE JETS.

MAR 13 PM 2 10

THESE IMPROVEMENTS, MCGOWEN SAID, WERE ATTAINED BY
AERODYNAMIC IMPROVEMENTS AT THE WING LEADING EDGE AND IN THE
DOUGLAS DESIGNED INSTALLATION OF THE JT-3D TURBOFAN ENGINES.

TRANSLATED INTO NORMAL AIRLINE OPERATIONS, THE CALIBRATED
FLIGHT TEST RESULTS MEAN THAT SERIES 50 DC-8S CAN CARRY A FULL
PAYLOAD AND NORMAL FUEL RESERVES ON NON-STOP FLIGHTS UP TO
5,500 MILES IN THEIR CURRENT CONFIGURATION AND UP TO 5,960
MILES WITH THE MODIFIED WINGS.

TYPICAL OPERATIONAL RANGES WITH FULL PAYLOAD, NORMAL
RESERVES AND ZERO WIND ARE..

ZURICH TO RIO DE JANEIRO, PLUS 300 MILES.

NEW YORK TO HONOLULU, PLUS 1000 MILES.

SAN FRANCISCO TO TOKYO, PLUS 800 MILES.

AMSTERDAM TO LOS ANGELES, PLUS 350 MILES.

MADRID TO RIO DE JANEIRO, PLUS 900 MILES.

SERIES 50 DC-8S INCORPORATING THE EXTENDED LEADING EDGE
WINGS HAVE BEEN ORDERED BY KLM ROYAL DUTCH AIRLINES, IBERIA
AIRLINES AND UNITED AIR LINES.

END RE