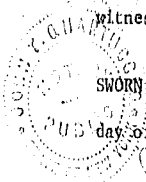


STATE OF NEW YORK)
COUNTY OF NEW YORK)

PERSONALLY appeared before me Evelyn Webb
and made oath that she saw H. T. Rist as Second Vice President
and Helen B. Taylor as Assistant Secretary of The
Equitable Life Assurance Society of the United States, a corporation
chartered under the laws of the State of New York, sign, seal with
its corporate seal and as the act and deed of said corporation deliver
the within written instrument, and that she with Walter Allen
witnessed the execution thereof.



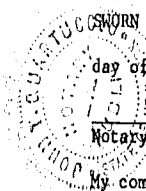
SWORN TO before me this 27th)
day of August, 1969.)
John T. Quartuccio (LS)
Notary Public for New York

Evelyn Webb

My commission expires:
JOHN T. QUARTUCCIO
Notary Public, State of New York
Commission Expires March 30, 1970

STATE OF NEW YORK)
COUNTY OF NEW YORK)

PERSONALLY appeared before me H. T. Rist, who
being duly sworn, says that he is Second Vice President of The
Equitable Life Assurance Society of the United States, a corporation
chartered under the laws of the State of New York, and that the infor-
mation contained in the foregoing certificate is true of his own
knowledge.



SWORN TO before me this 27th)
day of August, 1969.)
John T. Quartuccio (LS)
Notary Public for New York

Walter F. Allen

My commission expires:
JOHN T. QUARTUCCIO
Notary Public, State of New York
Qualified in Kings Co. No. 24-8464650
Commission Expires March 30, 1970 Ext.