

HONORS and AWARDS

J. Ross Macdonald

Tyng Scholarship at Williams College 1941-1948

Elected to Phi Beta Kappa at Williams College 1944

Elected to Sigma Xi at M.I.T. 1944

Rhodes Scholar from Massachusetts at New College, Oxford 1948-1950

Elected a Fellow of the American Physical Society 1955

Senior paper award, IRE Professional Group on Audio,
for paper, "A Multi-Loop, Self-Balancing Power Amplifier" 1957

Awarded Headmaster's Medal for Outstanding Public
Service, St. Andrew's School, Middletown, Delaware 1957

Elected a Fellow of the Institute of Radio Engineers for
contributions to the theory of electronic circuits and
electrical properties of solids 1958

Elected a Fellow of the American Association for the
Advancement of Science 1959

Achievement Award, IRE Professional Group on Audio 1962

Awarded D.Sc. degree from Oxford University -
based on scientific publications 1967

Elected a member of the New York Academy of Sciences 1967

Elected a member of the National Academy of Engineering
for leadership in research, development, and engineering,
and personal contributions to electronic circuits and devices 1970

Elected a member of the National Academy of Sciences 1973

1974 Meritorious Services Award, Institute of Electrical and
Electronics Engineers (IEEE) Acoustics, Speech, and Signal
Processing Group 1974

Invited to give the J. B. Whitehead Memorial Lecture
of the IEEE Annual Conference on Electrical Insulation
and Dielectric Phenomena 1980

Awarded the George E. Pake Prize of the American Physical Society
"For his innovation and creativity as reflected in more
than 160 publications in more than 35 recognized
journals to which he has contributed since 1951; his broad
theoretical and experimental research interests in fundamental
physics as well as the technology of a wide variety of subjects.
He has revealed superior leadership capacity as a manager and as
a research director at Texas Instruments Incorporated and in

administrative roles in academia." 1985

Invited lecturer on "Advances in Electrochemistry," The Robert A. Welch
Foundation Conferences on Chemical Research 1986

Awarded the Edison Gold Medal of the IEEE "for seminal
contributions to solid state science and technology and
outstanding leadership as a research director." 1988