

Memo/Reply From
JOSHUA LEDERBERG

TO: Dr Roland Hjerpe ✓
Royal Inst. Technology
Library
S10044 Stockholm
70 Sweden.

MAR 1 1979

History of bibliometrics.

Did you intentionally omit
reference to Saxton; or did
I merely miss it?

But thank you for a most
useful review.

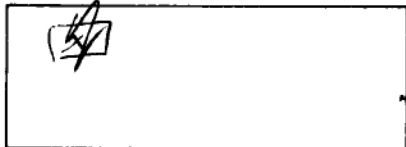
Joshua Lederberg

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**Bibliometrics and Citation
Analysis**

Roland Hjerpe in *An Outline of
Bibliometrics & Citation Analysis*.
Stockholm, Sweden: Royal Institute of
Technology Library. Oct 78. 82 p.
[pd 0703d]

... "Quantitative analyses of scientific
literature and especially citation networks
have been used to illuminate many
aspects of science and research. Studies of
this type, formerly called 'statistical
bibliography,' are now described by the
term 'bibliometrics.' The purpose of this
paper is to provide a survey of
bibliometrics.... The completely
dominating sources of data for
bibliometric studies are the *Science Cita-
tion Index*® (SCI®) and the *Social
Sciences Citation Index*™ (SSCI™),
published since 1961 and 1969 respectively
by the Institute for Scientific Information®
(ISI®). An *Arts & Humanities Citation In-
dex*™ (A&HCI™) was introduced in
1978." The author discusses the methods,
terms, laws, literature and uses of
bibliometrics, commenting: "There is a
pressing need to know more about the ac-
curacy, the pertinence and selection
criteria of references within disciplines
and across them. Why is a researcher in
bio-medicine providing three times more
references than one in mathematics or
engineering? Is that 'habitual' difference
based on functional need or socio-cultural
pressure?"



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