

# THE ASTRONOMICAL JOURNAL

COLUMBIA UNIVERSITY  
PUPIN BUILDING | NEW YORK 10027

19 February 1981

Dr. J.F.C. Wardle  
Department of Physics  
Brandeis University  
Waltham, Massachusetts 02254

Dear Dr. Wardle:

We are happy to inform you that the manuscript,

"Variability of Extragalactic Sources at 2.7 GHz. IV. Evidences for Weak Extended Emission and for Rapid Variability"

has been accepted for publication and has been tentatively scheduled for the June 1981 issue of the ASTRONOMICAL JOURNAL.

Enclosed please find the reprint order and page charge authorization form. Please return it immediately to the American Institute of Physics at 335 East 45th Street, New York, New York 10017, ATTENTION: Billing Division.

For an estimate of the number of pages, it is our experience that typical manuscripts run between one-third and two-fifths of the number of typed pages if no large figures or photo-ready, reduced tables are included.

THE EDITORS

# National Radio Astronomy Observatory

## Very Large Array

To: Mike

From: Alan

Subject: Our variability paper with John Wardle

It has finally been accepted by A.J. The delay was mainly due to the fact that John's grant lapsed and he had to wait to have graphics redone. Unfortunately he still does not have a grant and will not until the Fall. The payment distribution will therefore have to be 50% NRAO, 25% me and 25% you. To expedite the payment of our share, I suggest you requisition one cheque for 50% when the invoice comes. I enclose a memo to transfer my share to your account; just fill in the blanks when the invoice comes from A.J. I'm paying the graphics directly to John, as he's broke (grantwise).

I enclose a copy of the paper as accepted, also copies of the NRAO form.

Life in New Mexico is hectic, warm and exciting. The VLA is working well in the A configuration (35km baselines) and I have some exciting new jet maps showing the detailed polarization structure. I'm also working with Dick on some more jet modelling, especially on particle acceleration in turbulent jets. Mary's thesis is coming along well; she's doing research in eye contact behaviour of people with low self-esteem under different feedback conditions. Despite the fact that she will end up with a Masters in Speech Communication, she's doing research in nonverbal communication behaviours. Strange, but it seems to fly o.k. in New Mexico.

I was delighted to hear that the VLBI study was approved and that the array has approval in principle from NRC. Congratulations to your committee for a job well done. The US proposal is in bad shape because of Reagan's budget-cutting - the 25m telescope in Hawaii has been canned and NRAO can hardly go to Washington for an even more expensive project with that one's corpse lying on the doorstep. The Caltech/JPL VLBI proposal may also be in political trouble as Reagan is trying to cut all the science out of NASA, which presumably includes JPL.

Best wishes,



THE UNIVERSITY OF NEW MEXICO

DEPARTMENT OF PHYSICS AND ASTRONOMY

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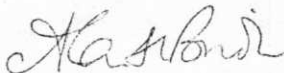
1 June 1981

Financial Services,  
Queen's University,  
Kingston, Ontario K7L 3N6  
CANADA

Gentlemen,

Please transfer \$ from A.H.Bridle NSERC account A4727 386-006-08  
to M.J.L.Kesteven account as 50% payment of Queen's  
University share of the \$ publication charge for an article entitled  
VARIABILITY OF EXTRAGALACTIC SOURCES AT 2.7 GHZ. IV. EVIDENCE FOR WEAK  
EXTENDED EMISSION AND FOR RAPID VARIABILITY, by J.F.C.Wardle, A.H.Bridle and  
M.J.L.Kesteven. The invoice from Astronomical Journal in respect of this paper  
is attached to the cheque requisition from Dr. Kesteven.

Yours sincerely,



Alan H. Bridle

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24 Feb 81

Dear Alan,

Tis done. My graphics person moved to California, so I ended up doing it myself. AJ has accepted it and I enclose their communications.

I was very sorry to miss your workshop, which I hear was a great success. What happened was that NSF turned down Dave Roberts' and my grant proposal. We are now totally out of travel money (and everything else) till at least autumn. I think we got too ambitious and asked for too much money.

Hope you are still enjoying your sabbatical.

Cheers

John.

To: John



From: Alan

Queen's University Memorandum

Date: 18 April

Subject:

Here are my comments, and Mike's, re variables paper. Sorry they've been so long coming. Mike believes our errors are over-estimated (evidence enclosed). I do not recommend that we declare any more <sup>short-term</sup> variables however, because of the possible perverse nature of the individual data points on which the short-term variability relies must. Let's finalise it in CV at end of month.