

...man,
Just a reminder that we would
very much like to publish your
Brookhaven lecture. It was a good
talk and I for one would make
good use of hard copies that I
could distribute. Thanks for
your help.

Jerry Hudis

BROOKHAVEN NATIONAL LABORATORY

MEMORANDUM

DATE: May 12, 1987

TO:

FROM: Avril Woodhead, Editor, Technical Information Division (TID)

SUBJECT: Publication of Your Brookhaven Lecture

Enclosed is a typescript from your Brookhaven Lecture entitled:

This is lecture number in the series. The manuscript was transcribed from the audiotape made during the lecture.

The BNL Lecture Committee is keen to publish your lecture because the series serves a very important purpose in showing other research institutions and the public the interesting work that goes on at BNL. The booklets have proven valuable to departments for handing out to visitors, prospective students and post-doctoral fellows. You may agree, after seeing the enclosed one, that these publications are well-worth the effort involved. This effort, which will be a cooperative one between you, the author, and the staff of TID, may include two reviews of the paper. It should culminate in a published lecture in about six months.

If you have a prepared text of the lecture, please let us have this. Otherwise, please edit the version that you see here for its technical content. You may leave the editing for grammar, readability and lay-out to the editorial staff of TID, if you wish. Please pay particular attention to the relationship between the talk that you gave and the printed version that will be published. The Committee wants the paper to reflect your personal approach to research and also to retain the informality and non-technical approach that opened your subject research to an audience of a wide background and interests. Yet at the same time, the Committee does not want to lose the scientific excellence.

It would be especially useful if you could carefully review your use of slides and transparencies and select the minimum required for clarity and effectiveness. The Committee prefers to have no more than ten; if you feel that more are necessary please talk to the editor of your paper. For final reproduction, please supply either the original drawing or a glossy photo. If neither is available, let the editor have the BNL number marked on your slide. If it is essential, TID can have drawings made from your viewgraphs, but please avoid this if you can as it greatly increases the cost of publication.

Please return the corrected manuscript, along with the visuals, to the Editor, Bldg. 477B, as soon as you can. Your lecture discusses the most up-to-date and exciting work that is going on in your group, and the Committee does not want to leave it until it becomes a cameo of earlier research.

National Radio Astronomy Observatory

EDGEMONT ROAD, CHARLOTTESVILLE
VIRGINIA 22903-2475, U.S.A.

Dr. A. H. BRIDLE
Tel. [804] 296-0375 FTS 940-7375
BITNET, ARPANET: abridle@nrao
SPAN: 6654::abridle
UUCP: !seismo!nrao1!abridle

June 29, 1987

Ms. Cathy Vivarito
Brookhaven National Laboratory
Building 477B
Upton, Long Island
NY 11973

Dear Ms. Vivarito,

Enclosed herewith are Xeroxes of overhead transparencies that I used during my Brookhaven Lecture, with additional Xeroxes of some, but not all, of the images that I showed as 35mm slides.

I have interleaved these in order with the notes that I brought to the lecture, as these notes are generally legible and may help you with some of the terminology. For the sake of spontaneity (and to keep to time) I did not follow the note text exactly (and edited out some material as I went along). The notes will therefore differ substantially from the tape, especially towards the end of the lecture. I hope that they will be of use to you in preparing the draft, however.

I will be at NRAO's telescope site in New Mexico from July 8 to July 22, and will then be hard to reach by telephone. I will be making astronomical observations and keeping unpredictable (but largely night-time) hours. I will however be logging in to our computers in Charlottesville. If you have any urgent questions for me during those two weeks, and have access to any of the four computer mail networks shown on this letterhead, you could send a message to any of those addresses. (My SPAN address should be visible to the HEPNET High Energy Physics Net).

Yours sincerely,

Alan Bridle

National Radio Astronomy Observatory

EDGEMONT ROAD, CHARLOTTESVILLE
VIRGINIA 22903-2475, U.S.A.

Dr. A. H. BRIDLE
Tel. [804] 296-0375 FTS 940-7375
BITNET, ARPANET: abridle@nrao
SPAN: 6654::abridle
UUCP: !seismo!nrao1!abridle

June 29, 1987

Ms. Cathy Vivarito
Brookhaven National Laboratory
Building 477B
Upton, Long Island
NY 11973

Dear Ms. Vivarito,

I realised after I had mailed the copies of my overhead transparencies and some 35mm slide images that you asked also for copies of recent papers of mine on the subject of jets. Most of my publications are about highly detailed properties of jets that are not really germane to the lecture, but I have written two review articles in the last few years, and enclose copies of these for your information.

An excellent review of what I described as the "central engine" physics (as well as a comprehensive discussion of other topics raised in my talk) is contained in an article by M. C. Begelman, R. D. Blandford and M. J. Rees in *Reviews of Modern Physics*, **56**, 255 (1984).

Yours sincerely,

Alan Bridle

Dear Dr. Bridle,
I'm looking forward to
receiving your figures and captions.

Since you already
have the glossy and
negative, would you
please have it done
in black and white
here. Thank you for
all your cooperation.

Kathu Virvito



ADDRESS

Alan Bridle

National Radio Astronomy
Observatory

Edgemont Road

Charlottesville, Va.

703-2-21176

National Radio Astronomy Observatory

EDGEMONT ROAD, CHARLOTTESVILLE
VIRGINIA 22903-2475, U.S.A.

Dr. A. H. BRIDLE
Tel. [804] 296-0375 FTS 940-7375
BITNET, ARPANET: abridle@nrao
SPAN: 6654::abridle
UUCP: !seismo!nrao1!abridle

October 14, 1987

Ms. Cathy Vivarito
Brookhaven National Laboratory
Building 477B
Upton, Long Island
NY 11973

Dear Ms. Vivarito,

As we have missed each other a few times by phone, this route may be shorter in the long run.

I am sorry not to have got the text of my Brookhaven Lecture back to you yet. The bad news is that I acquired some unexpected and pressing new responsibilities, with severe deadlines, shortly after I gave the lecture. These and over a month of travel have prevented me from spending any time on the lecture since I received your transcript. Unfortunately, I have another pressing commitment that will take me away again until the end of October.

The good news is that I will then be able to return to my normal work, and that I intend to give high priority to writing up this lecture. I will try to have a revised text in the mail to you by mid-November.

I am truly sorry for the delay, but this summer has been full of tasks that have required my full attention but which were completely unanticipated last May.

Yours sincerely,

Alan Bridle



NATIONAL RADIO ASTRONOMY OBSERVATORY

EDGEMONT ROAD CHARLOTTESVILLE, VIRGINIA 22903-2475
TELEPHONE 804 296-0211 TWX 910 997-0174

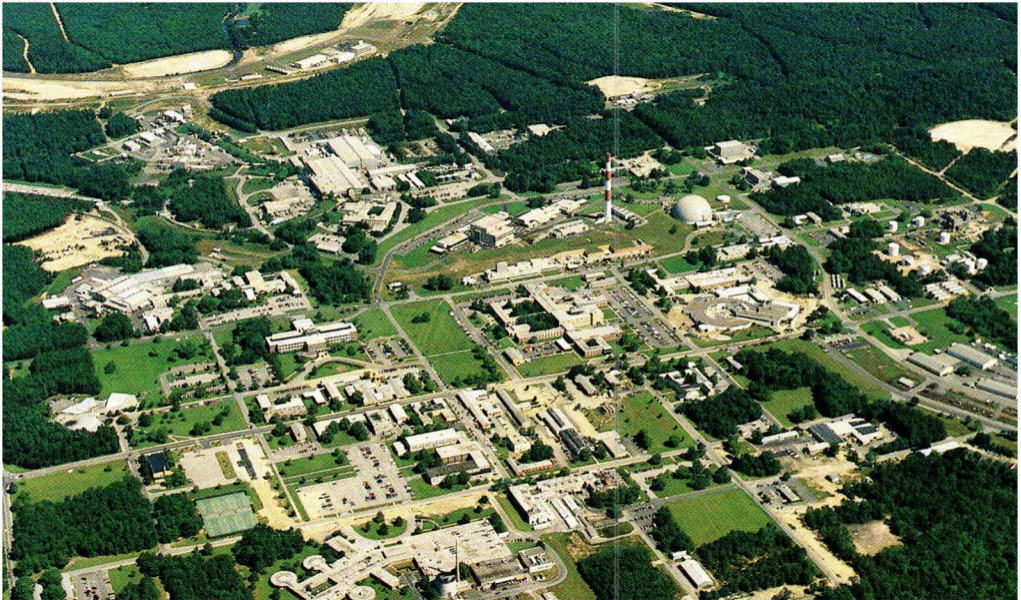
25 April 1988

Ms. Kathy Vivirito
Brookhaven National Laboratory
Building 477B
Upton, Long Island
NY 11973

Dear Ms. Vivirito,

I am sorry that yet another delay turned up in the long chain of getting my lecture to print. But my graphics department here now promises the last diagrams about three weeks from now and I will send the whole set to you as soon as possible. There is also one figure about which I have a question - #12. I have a glossy in hand of this figure as a false-color image in white, yellow and red. Would your publication shop be able to convert this to a grey-scale image, or should I have that done for you here?

Hal Bida



Brookhaven National Laboratory
Upton, Long Island, New York

Dr. Bridle:

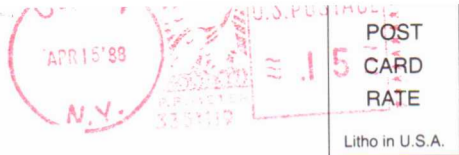
Please would you send me
your figures and captions
for your BNL Lecture.

I can't send your text
for typesetting without
the figs. & captions. Please
send them soon. It's a
shame to hold up such
a terrific lecture.

Nathu Vivvito

CN 9-264-86

41034648



POST CARD

Alan Bridle
National Radio Astronomy
Observatory
Edgemont Road
Charlottesville, Virginia
22903-2475

National Radio Astronomy Observatory

EDGEMONT ROAD, CHARLOTTESVILLE
VIRGINIA 22903-2475, U.S.A.

Dr. A. H. BRIDLE
Tel. [804] 296-0375 FTS 940-7375
BITNET, ARPANET: abridle@nrao
SPAN: 6654::abridle
UUCP: !uunet!nrao!abridle

May 23, 1988

Ms. Kathy Vivirito
Brookhaven National Laboratory
Building 477B
Upton, Long Island
NY 11973

Dear Ms. Vivirito,

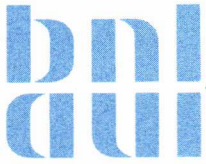
Here are the Figure Captions and illustrations for my Brookhaven Lecture. Again, my apologies that this has taken so long. There was also a last-minute snag that prevented me from obtaining a black-and-white copy of Figure 12. Rather than incur yet another delay, I am sending you the color original. To facilitate the correspondence between the captions and the figures, as well as to show the orientation of the figures for which this may not be obvious, I also enclose pages with copies of the figures set above the associated captions. The radio images should be cropped to eliminate the black borders; I leave this to your production department.

Because of my difficulties with Figure 12, it is not exactly the version that I had in mind when I wrote the text. A small change should therefore be made to the second sentence of the first complete paragraph on p.13 of my text, so that it reads: "Figure 12 illustrates this result with an image of the radio emission from near the center of a quasar, 3C273."

I am sorry for the long train of delays that this write-up encountered at my end. But I trust that the result will still be of interest to B.N.L.!

Yours sincerely,

Alan H. Bridle



BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.

June 3, 1988

Upton, New York 11973

Technical Information Division

(516) 282-3486

Dr. A.H. Bridle
National Radio Astronomy Observatory
Edgemont Road
Charlottesville, Virginia 22903

Dear Dr. Bridle,

Your figures and the captions arrived safely. I had your Figure 12 made into black and white, and I'm returning your color photo.

Your lecture is in preparation for typesetting. I will be in touch with you when a proof is ready. Thank you for all your cooperation. I'm sure that your lecture will be a publication that BNL and NRAO will be proud of!

Sincerely,

A handwritten signature in cursive script that reads "Kathy Vivirito".

Kathy Vivirito



BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.

Upton, New York 11973

Technical Information Division

(516) 282-3486

November 17, 1988

Alan Bridle
National Radio Astronomy Observatory
Edgemont Road
Charlottesville, Virginia 22903

Dear Dr. Bridle:

As we discussed on the phone this morning, here is a photocopy of your BNL lecture. Please go through it and let me know by Monday if you approve of the layout and if there are any corrections to be made. (This is a photocopy so the figures may look a little hazy). At this time we can't make any major changes, i.e. rewriting. I hope you'll be pleased. Thanks for your cooperation.

Sincerely,

Kathy Vivirito
Kathy Vivirito

p.3 misplaced comma
fig. caption

p.7 can't read on copy - is it R^2 as expected?

p.8 fig. captions (both)

p.9 fig. caption

Figures 9 & 10 - horizontal striping on my copy. Is this present in original?

Figure 8 - can you see the jet?

p.12 axisymmetric
 v , not v

p.14 v , not v

Dr. Bridle:

Your lecture really
looks spectacular!
Thanks for all your
cooperation. The rest
of the shipment is on
its way. It's been
a pleasure.

CN 6-704-82

Kathy Vivirito

POST
CARD
RATE

Litho in U.S.A.

POST CARD