

Alfred Baker Fonds

Correspondence

England 1992-2001

QUEEN'S UNIVERSITY ARCHIVES	
LOCATOR	5095.5
BOX	5
FILE	10





University of Cambridge  
Department of Chemistry  
Lensfield Road  
Cambridge CB2 1EW

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**Steven V. Ley FRS**  
*BP 1702 Professor of Organic  
Chemistry  
and Novartis Research Fellow*

Telephone: + 44 (0)1223 336398  
Fax: + 44 (0)1223 336442  
E-mail svl1000@cus.cam.ac.uk

SVL/gmr

10 April, 2001

Dr. Alfred Bader  
924 East Juneau, Suite 622  
Milwaukee  
Wisconsin 53202  
USA

Dear Alfred

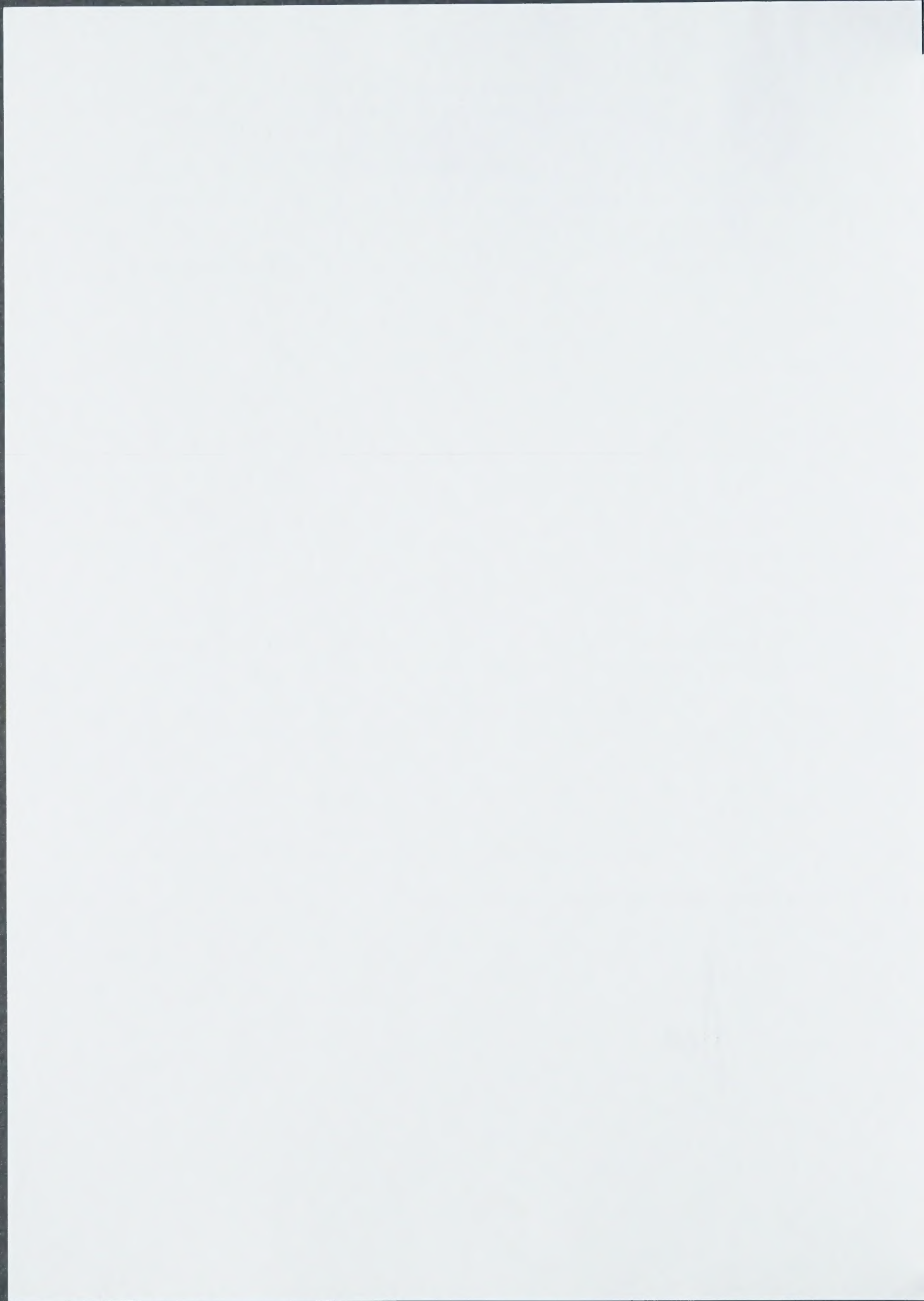
Just a note to apologise for my late reply and to thank you and Isabel once again for your kind generosity in supporting the Raphael Scholarship.

We are there! We will be making an appointment to the Scholarship this year. John Emsley will be producing the usual "Press" release and we will let you know all the details of the student etc later.

I've not yet had much joy with Aldrich concerning our chemistry, however we will continue our dialogue.

I've sent the Project SEED data to the RSC for discussion at the next strategy meeting.

In the meantime warmest regards,



Dr. Alfred R. Bader  
2961 North Shepard Avenue  
Milwaukee, Wisconsin 53211

September 11, 1992

Dr. Dudley H. Williams  
Department of Chemistry  
Cambridge University  
Lensfield Road  
Cambridge CB2 1EW  
England

Dear Dudley:

I have just seen the September issue of Chemistry in Britain and would like to tell you that I appreciate the thoughtfulness of your letter, more than I can tell you.

Isabel and I look forward to seeing you again in December.

Best personal regards.

As always,





ALFRED BADER FINE ARTS

DR. ALFRED BADER

ESTABLISHED 1961

January 24, 1997

Ms. Wendy Sheridan  
Curator  
Science Museum Library  
South Kensington  
London SW7 5NH  
England

Dear Wendy:

I so enjoyed being able to meet you in London twice in December and wanted to thank you for all the time which you spent with me.

Enclosed please find a very rough draft of my paper on Prussian Blue. This needs polishing and then I plan to send it to *Chemistry in Britain*.

Of course I remember that you hoped that you might be able to find a reference - ideally in mezzotint - for my painting during this month. If so, then I would like to suggest that you and I be joint authors and, of course, remove the offer of £1,000 which would go to you.

Please do let me know if you see any gross errors in the manuscript.

I'm sure that *Chemistry in Britain* will want it shortened and I will probably have to put a good deal of the information about Prussian Blue into footnotes.

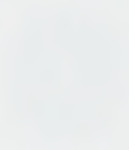
With all good wishes, I remain,

Yours sincerely,

AB/nik

Enclosure

*By Appointment Only*  
ASTOR HOTEL SUITE 622  
924 EAST JUNEAU AVENUE  
MILWAUKEE WISCONSIN USA 53202  
TEL 414 277-0730 FAX 414 277-0709



Faint title or header text, possibly a date or document type.

Main body of faint, illegible text, likely a letter or document content.



Dr. Alfred Bader  
2961 North Shepard Avenue  
Milwaukee, Wisconsin 53211  
July 15, 1994

Mr. Richard Stevenson, Editor  
Chemistry in Britain  
Royal Society of Chemistry  
Burlington House, Piccadilly  
London W1V 0BN  
England

Dear Mr. Stevenson:

Weidenfeld & Nicolson plans to publish my autobiography--, *The Adventures of a Chemist-Collector*, early next year.

May I have your permission to re-print the three letters as marked on the enclosed from the September 1992 issue?

Of course for ease of reading, we would format the three letters onto one page.

The enclosed request given to me by the publisher does not quite apply to *Chemistry in Britain*, but surely this is not material.

All good wishes.

Sincerely,

Enclosures

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is being furnished to you  
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directly.

The information provided  
herein is for informational  
purposes only and does  
not constitute an offer.

Thank you.

Sincerely,

[Signature]

Dear Otto:  
(1) N° 400000 is a lot for a piece of  
copper 24.5 x 31 cms!

(2) Could you please fax me the exact  
address of the Steen export, L de Vries  
Intérieur de taverne avec joueurs de cartes  
in Groningen.

Cuivre: 24,5 x 31 cm

Signé \_\_\_\_\_  
circa 1645

Provenance:

Duke of Marlborough  
Sir Thomas Baring, The Earl of Northbrook  
Colonel R.S. Clark  
Sir Ralph Clarke, Sussex

Expositions:

Londres, Royal Academy of Art, *Exhibition of Old Master's Works*, 1888,  
cat. n° 114  
Bruxelles, *Exposition d'art flamand du XVII<sup>e</sup> siècle*, 1910, cat. n 31  
Londres, Royal Academy of Art, *Flemish Art 1500-1700*, Winter exhibition 1953-54, cat n° 289

Littérature:

F. Scharf, *Blenheim Catalogue*, 1862, p. 65  
*Flemish Art 1500-1700*, Londres, 1953-54, n° 289, p. 89

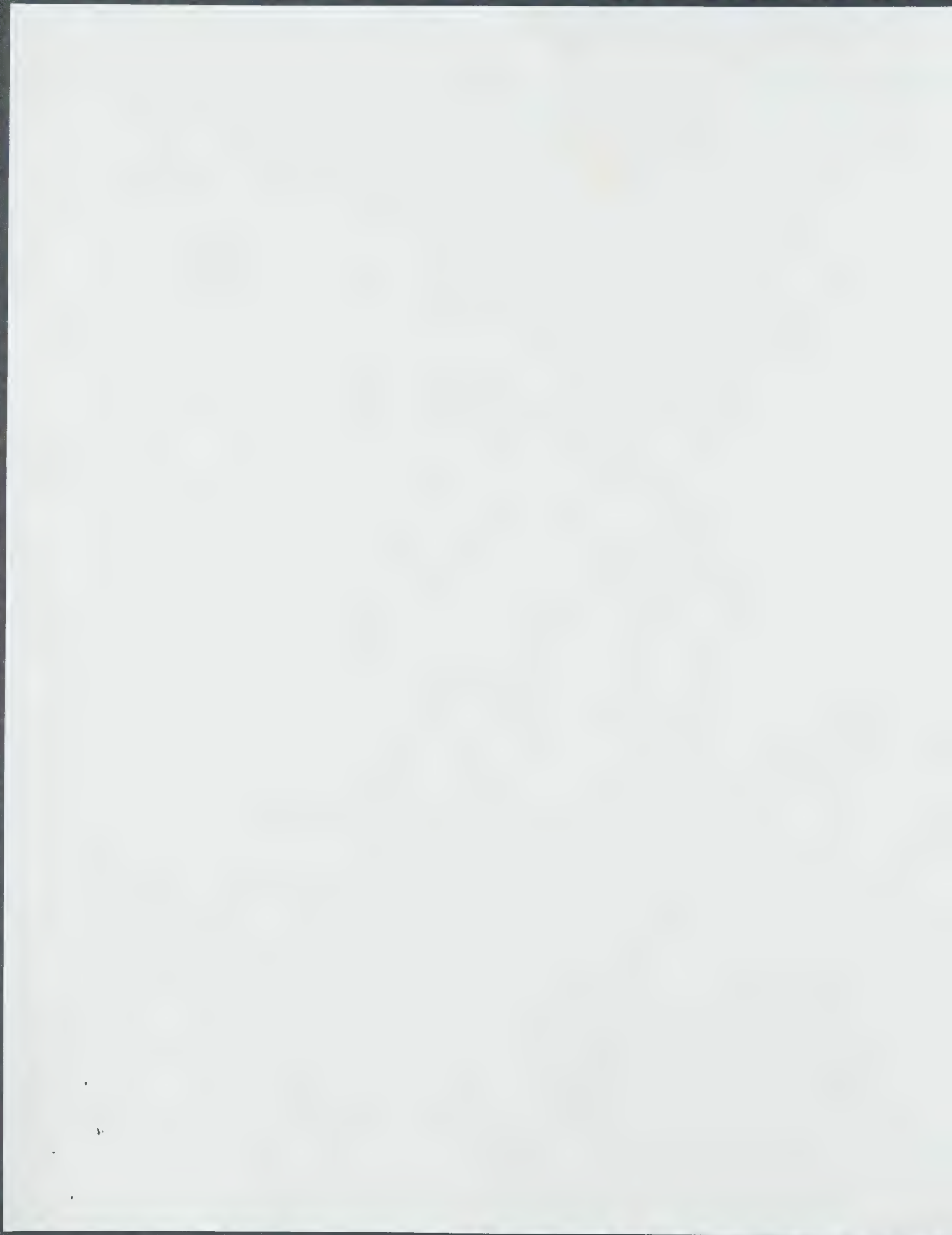
Cette œuvre sera reproduite dans l'ouvrage actuellement en préparation par le Docteur M. Klinge: *Catalogue raisonné de l'œuvre de David Teniers - David Teniers der Jungere, Kristische Verzeichnis der Gemälde.*

I thought Klinge has given up the book.  
And such poor German!

Thanks

Anna

15 VIII





IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE  
 DEPARTMENT OF CHEMISTRY  
 South Kensington  
 London SW7 2AY

From the Science Writer in Residence  
 Dr John Emsley DSc FRSC

Message for Dr Alfred Bader, fax # 0101-414-962-8322  
 Milwaukee, Wisconsin

Dear Alfred,

Thank-you for your letter and kind remarks about *CDN*. It certainly gets around - at least the March issue did. You will be interested in the following item about Geoff Wilkinson and Aldrich that I intend to carry in the next issue. Since you are also mentioned I need to be sure that you are happy with what I say :

And speaking of Geoff, another *CDN* story about him got further than we realised. On 29 April we received a fax from **Dr Ian Moss**, Quality Control Manager of Aldrich Chemicals in Dorset. Ian had been contacted by **John Long**, their inorganic specialist in the US. He had been reading the March *CDN* where we reported on Geoff's seminar, in which he said that the iridium chloride he had used was not what it claimed to be. Aldrich clearly wanted to help, and Ian even offered to connect IC to the US office via their internal network. The same day we also received a letter from **Dr Alfred Bader**, who founded Aldrich, and was their chief until ousted in a board-room coup. Alfred still keeps a father's eye on the company he did so much to create, and he too was concerned to know if the aforementioned iridium chloride had come from Aldrich. He was clearly relieved when we reassured him that it had not. ~~So whose was it? I think we should be told.~~

Great!

— more diplomatic deleted

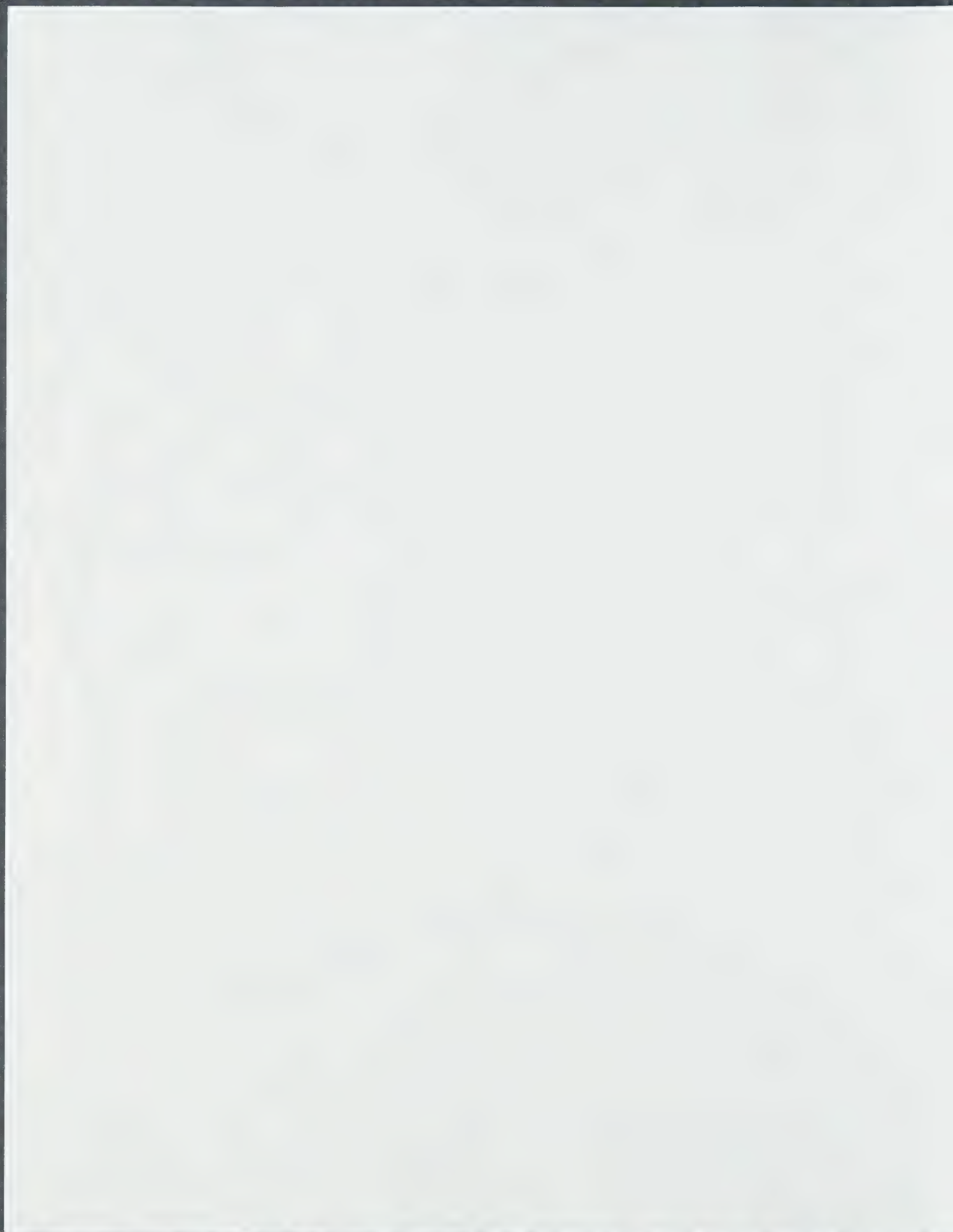
When are you next coming to IC? I go in there so infrequently now and I want to be certain to see you when you call.

Best regards to you both,  
 John

and of June,  
 but I'll call you  
 end of May

Imperial phone = 071 589 5111 ext 4625 fax = 071 589 3869  
 Home phone = 081 449 9964 fax = 081 441 4380  
 Home address: 14 The Fairway, New Barnet, Herts, EN5 1HN.

Fond regards  
 John  
 May 4



Dr. Alfred Bader  
2961 North Shepard Avenue  
Milwaukee, Wisconsin 53211

July 29, 1996

Dr. Frank A.J.L. James  
Lecturer in History of Science  
Royal Institution of Great Britain  
21 Albemarle Street  
London W1X 4BS  
England

Dear Dr. James:

It was an honor and a pleasure to be able to speak to you twice during my last stay in England, and I now have to thank you for your kind letter of July 9th and for the copy of the article on Brande.

I plan to write an article on my painting during the next couple of months, and I will then take the liberty of sending you a rough draft.

With many thanks for all your help and best personal regards, I remain,

Yours sincerely,

AB/cw







**THE ROYAL INSTITUTION OF GREAT BRITAIN**  
**ROYAL INSTITUTION CENTRE FOR THE HISTORY OF SCIENCE AND TECHNOLOGY**

Dr Alfred Bader,  
924 East Juneau, Suite 622,  
Milwaukee,  
Wisconsin 53202,  
USA.

9 July 1996

Dear Dr Bader,

As I promised when I saw you last week, I enclose a copy of the article on Brande which I have written for the *New DNB*.

With best wishes and good luck in your work on the painting.

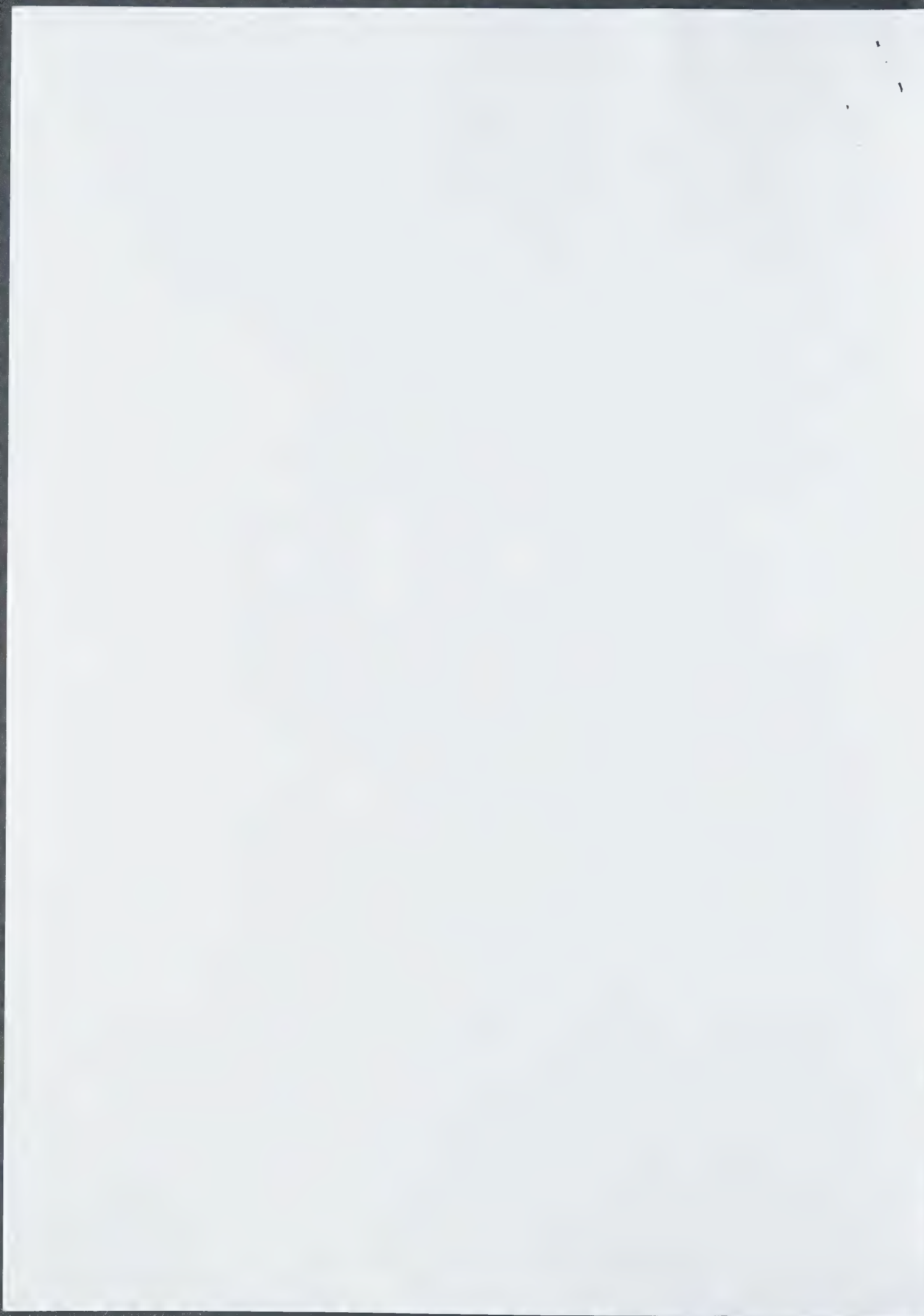
Yours sincerely

Dr Frank A.J.L. James

Lecturer in History of Science

21 Albemarle Street London W1X 4BS

Telephone 0171 409 2992 Facsimile 0171 629 3569





Dr. Alfred Bader  
924 East Juneau, Suite 622  
Milwaukee, Wisconsin 53202  
Phone: 414/277-0730  
Fax: 414/277-0709

*A Chemist Helping Chemists*

January 25, 1996

Dr. Frank A.J.L. James  
Lecturer in History of Science  
Royal Institution of Great Britain  
21 Albemarle Street  
London W1X 4BS  
England

Dear Dr. James:

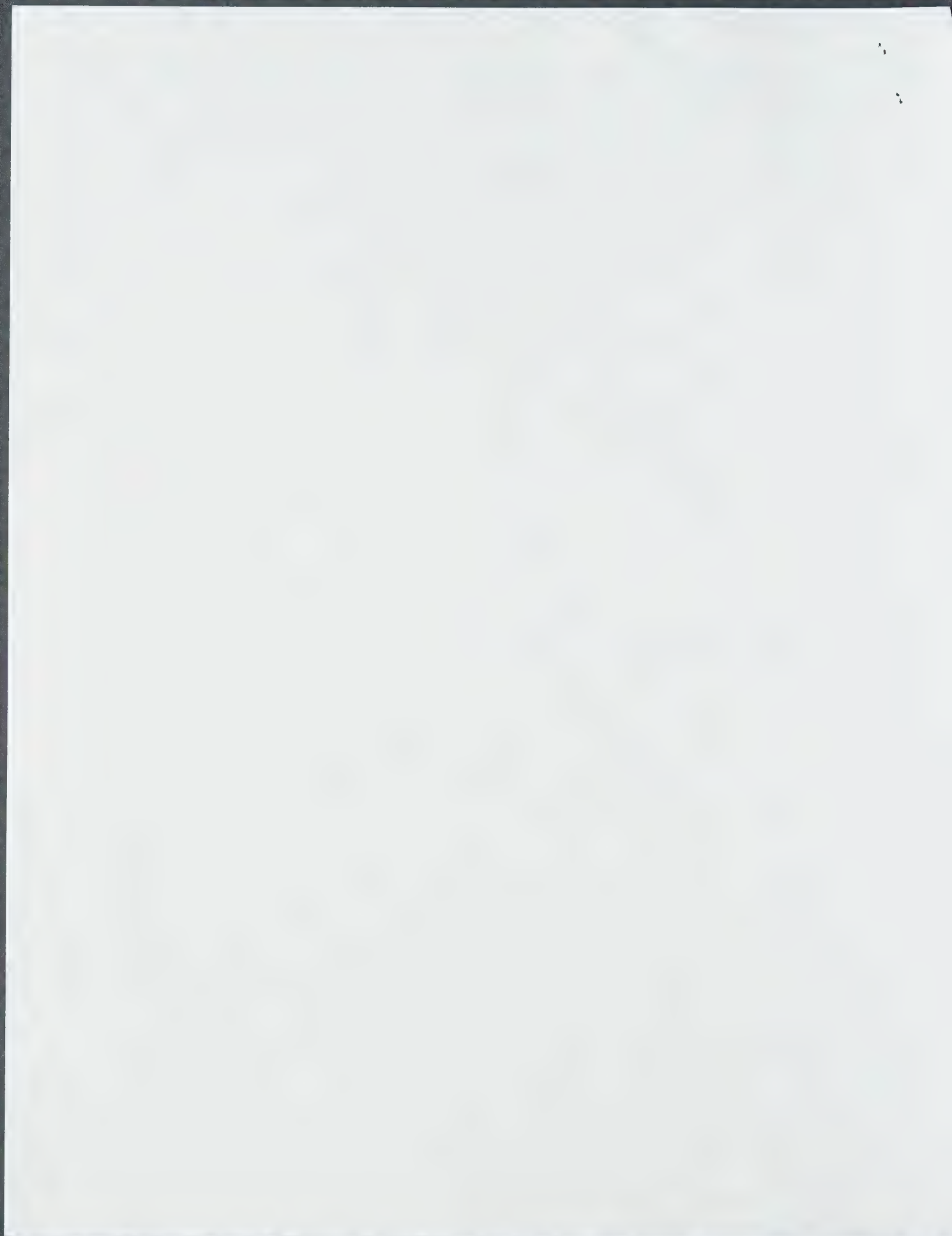
Professor Richard Gregory has kindly forwarded to me your interesting letter of January 10th regarding my large painting depicting the preparation of Prussian blue.

You may well be right in thinking that the painting was painted around 1850, but why? It certainly depicts the production of Prussian blue, and, to me, the similarities with the faces of Faraday and Brande make it virtually certain that they are depicted.

Of course, you know how interested both men were in the production of Prussian blue. The Welcome Foundation has an annotated version of Brande's textbook in which Faraday recorded references to Prussian blue through 1832.

My painting is not signed, but the canvas bears on the back the stamp of the canvas-maker, T. Brown, High Holborn, and the British tax stamp. Putting on such tax stamps was discontinued in 1831. If the painting was indeed painted around 1850, it would then mean that the artist used a very old canvas.

I have had some very good discussions with Dr. Peter Funnell at the National Portrait Gallery. He does not know anything about this painting, nor of course, about any salesroom information. He also suggested that it was painted in the 1850's, harking back to the time when Faraday was Brande's most distinguished co-worker.



Dr. Frank A.J.L. James  
January 25, 1996  
Page 2

Several art historians have suggested that the painting is by Thomas Sully, who indeed painted in England for some time. This, however, is very unlikely because Thomas Sully always monogrammed his works and kept a meticulous list of all of his paintings in which this is not included.

To me, it is far more important to find out just why this fine work was painted, rather than who painted it. Of course, I realize that if we find out the former, we will likely also discover the artist. It just seems so hard to believe that such an ambitious painting would have been done without it being described in some contemporary publication.

I am sure that you know that Faraday and Brande remained good friends. In fact, there is a beautiful, large photograph dating to the 1860's in the library of the Royal Society. This shows Faraday with Brande.

In 1854, there was published a course of ten lectures on organic chemistry delivered by Brande, arranged by Jay Scoffern and dedicated to Michael Faraday.

One scenario I can imagine is that on that occasion, Brande had that double portrait painted.

As you perhaps know, I am a life member of the Royal Institution and have benefitted greatly in my search for clues using your excellent library.

I will be back in England in June and July, and it would then give me great pleasure to be able to meet you personally to discuss this intriguing puzzle.

With all good wishes, I remain,

Yours sincerely,

AB/cw

cc: Professor Richard Gregory

1

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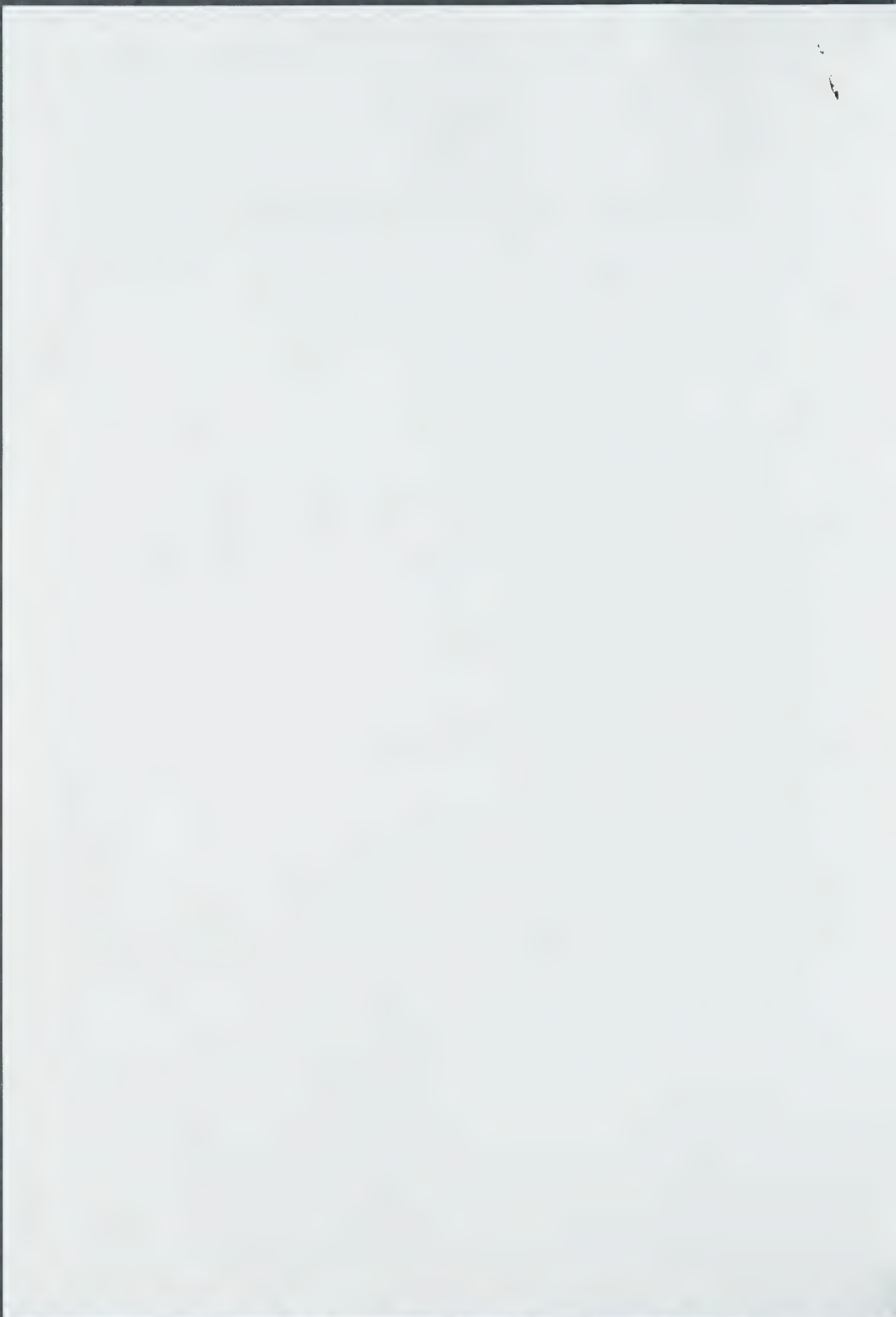
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THE ROYAL INSTITUTION OF GREAT BRITAIN  
ROYAL INSTITUTION CENTRE FOR THE HISTORY OF SCIENCE AND TECHNOLOGY

[The following text is extremely faint and illegible due to the quality of the scan. It appears to be a list of names or a table of contents.]

1





## The Imperial Mole

Ja wohl, mein Führer! This now has to be the arm-jerk response of workers at Aldrich Chemicals when orders come from on high. The company, known to every chemist, was founded by part-time Bexhill resident and friend of IC, **Alfred Bader** who was its one time president and chairman until he was ousted by 'colleagues' in a board-room coup which left **Tom Cori** in charge. Now Führer Tom has decreed that Alfred's name must never be mentioned inside the company again. Which is why IC's Scottish-born **Willie Motherwell** found some curious changes to a paper he submitted to their journal *Aldrichima Acta*. Inadvertently Willie had included a tribute to his old friend Alfred, and even sent a picture of himself and Alfred celebrating his win of the RSC's Bader award last year. Both tribute and photograph hit the cutting room floor, and when Willie protested he was told that unless he agreed to the changes, the review over which he had spent so much time would not be printed. Next year Aldrich plans to invade Russia.

### Fancy that

Dr Bader recently purchased for \$8.2 million a painting called *A portrait of a famous minister* by Rembrandt in April of 1632 at Sotheby's (on 8 July) and sold it to the Rijksmuseum, Amsterdam for \$10 million a few months later. Bader again intends using the modest profits to help fund his many educational projects.

— one word

Jawohl

\* It is Bader's intention to use the modest profit to help fund his many educational projects

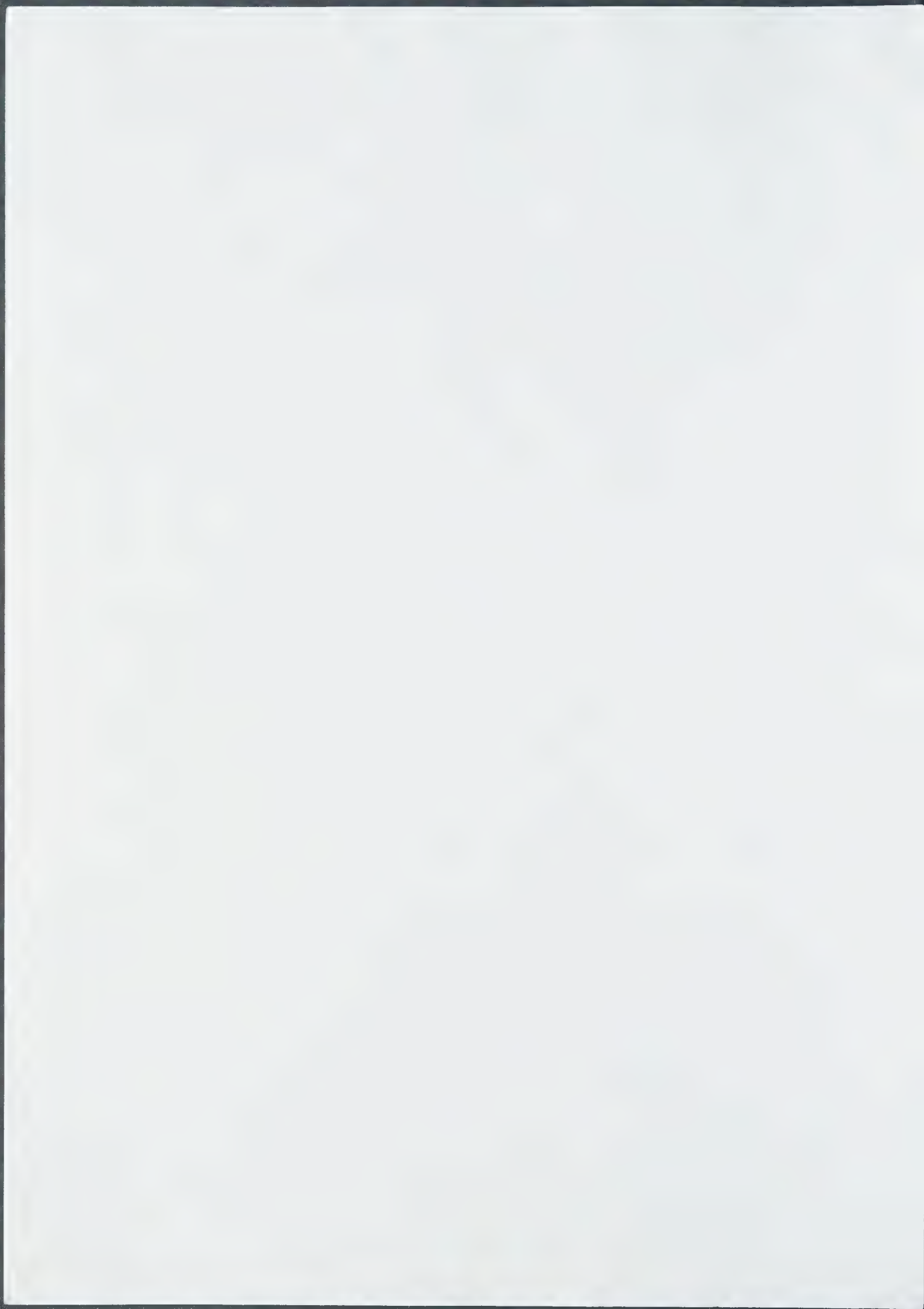
On the 8 July Dr Bader purchased a picture at Sotheby's for \$8.2 million

and a few months later he sold the picture, a portrait of a famous minister, for \$10 million at the Rijksmuseum, Amsterdam.

477

Alfred Bader

H. G. 606 979 4 23 47



UNIVERSITY OF ST. ANDREWS



21. viii. 96

DEPARTMENT OF CHEMISTRY,  
THE PURDIE BUILDING,  
THE UNIVERSITY,  
ST. ANDREWS, FIFE  
TEL. 01334 463696  
FAX 01334 463308

Dear Dr. Bader,

Thank you very much for sending me the typescript of your lecture concerning Koschnick and Couper. I am delighted to have it to hand. I shall look forward to seeing your paper, even if it is an abridged one, in "Chemistry and Britain" shortly.

I am very interested & pleased to hear that you will be giving a talk in Edinburgh at the end of November and I shall make every effort to come to it. I am in the Dept. of Chemistry there quite frequently. I will check with Ian Gosney about the date; he at one time worked as a postdoc with me.

Thank you again for your trouble.

With kind regards,

Yours sincerely,

Douglas Lloyd

Dr. Couper - his wife will be visiting us at the end of this ~~month~~<sup>month</sup> & will be most interested to read this article.

I will try to find out from him his relationship with A.S. Couper

The first part of the report deals with the general situation of the country and the progress of the work during the year. It is followed by a detailed account of the various projects and the results obtained. The report concludes with a summary of the work done and the prospects for the future.

The work during the year has been very busy and has resulted in many important discoveries. The most important of these are the discovery of the new element, the discovery of the structure of the atom, and the discovery of the laws of physics.

The discovery of the new element was made by the discovery of a new radioactive substance. This substance was found to have a half-life of about 100 years and was named after the discoverer.

The discovery of the structure of the atom was made by the discovery of the electron. This discovery was made by the discovery of the cathode ray.

The discovery of the laws of physics was made by the discovery of the laws of motion. These laws were discovered by the study of the motion of objects.

The work during the year has been very busy and has resulted in many important discoveries. The most important of these are the discovery of the new element, the discovery of the structure of the atom, and the discovery of the laws of physics.



Dr. Alfred Bader  
924 East Juneau, Suite 622  
Milwaukee, Wisconsin 53202  
Phone: 414/277-0730  
Fax: 414/277-0709

*A Chemist Helping Chemists*

August 13, 1996

Professor Douglas Lloyd  
Department of Chemistry  
University of St. Andrews  
The Purdie Building  
St. Andrews, Fife KY16 9ST  
England

Dear Professor Lloyd:

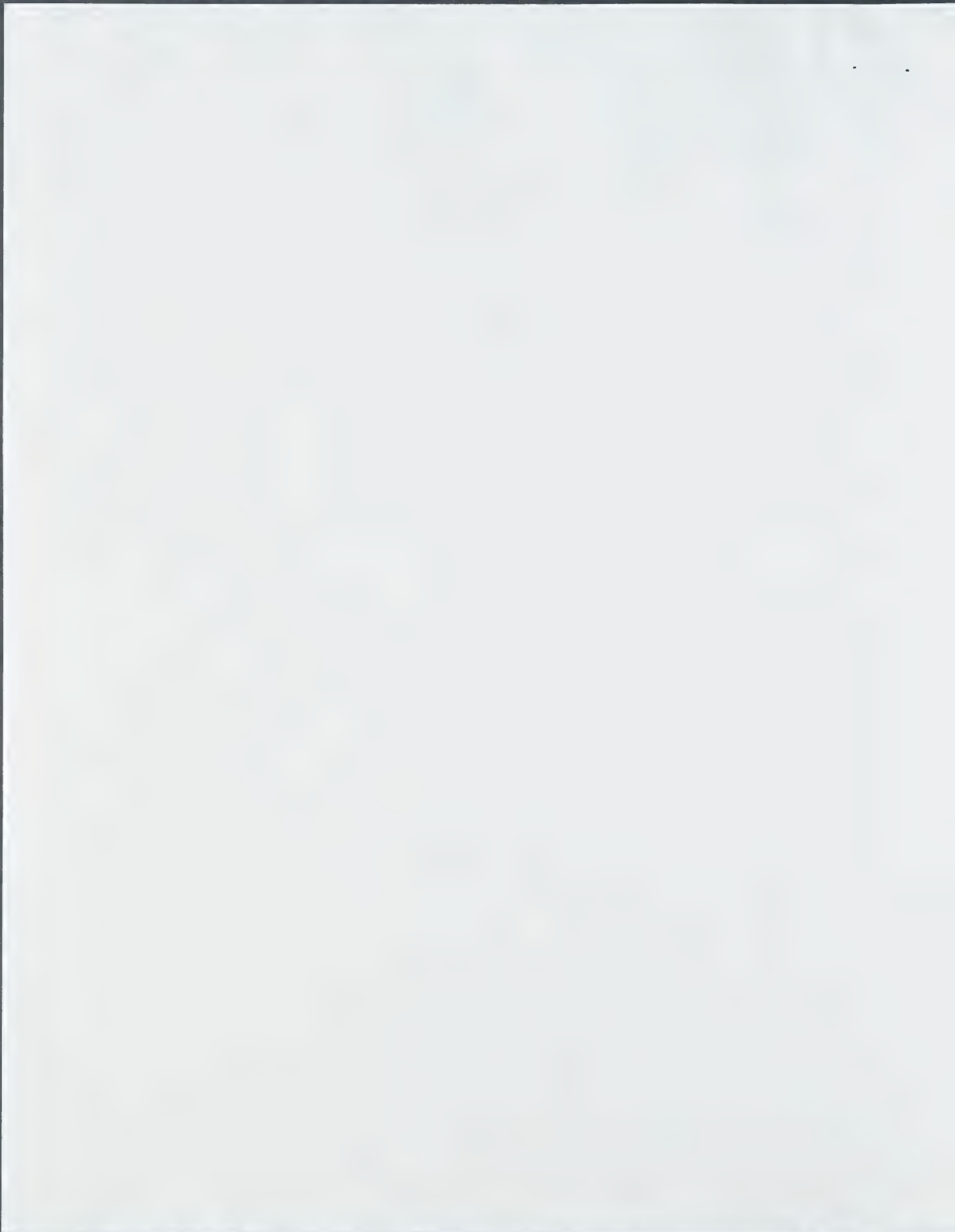
Thank you for your letter of August 5th.

I have lectured at various universities on Couper and Loschmidt, but I have not had a manuscript for these lectures. However, occasionally chemists have asked me for manuscripts, and I have given them one or two of the manuscripts of papers I gave at the Loschmidt Symposium in Vienna in June of last year. These lectures, which included talks by Professors Perutz, Eliel, Eschenmoser and Djerassi, will be published by Plenum either late this year or early next.

Of these two talks, one deals exclusively with Loschmidt and the other with Couper and Loschmidt, and I presume that will be of greatest interest to you, and I enclose a copy of that manuscript. If you should ever want to refer to it in print, please cite the Plenum publication.

I have written a much-abridged version for *Chemistry in Britain*, and I believe that that paper will appear next month.

Also, I have been invited to speak on Couper and Loschmidt at the Chemistry Department of the University of Edinburgh, though I am not sure whether it will be on November 27th, 28th or 29th. If you are interested, Dr. Ian Gosney in the Chemistry Department there will be able to supply details.



Professor Douglas Lloyd  
August 13, 1996  
Page 2

By all means, share all of this with your friend, Dr. A. Couper. Just how is he related to A.S. Couper?

With all good wishes, I remain,

Yours sincerely,

AB/cw

Enclosures





UNIVERSITY OF ST. ANDREWS

5. viii. 96



DEPARTMENT OF CHEMISTRY,  
THE PURDIE BUILDING,  
THE UNIVERSITY,  
ST. ANDREWS, FIFE, KY16 9ST  
TEL (0779) (417022)  
01334 463696

Dear Dr. Bader,

You and I have met and had a pleasant chat when you visited St. Andrews some years ago, which encourages me to write and make a request of you.

As you may know, I have always had close interests in the concept of aromaticity and aromatic character and have published books and papers on the topic, especially on non-benzenoid aromatic compounds.

I was recently shown what I understand was the text of a talk you gave in, I think, Arizona, on "Richard Anschütz, Archibald Scott Couper and Josef Loschmidt", which I found extremely interesting. If you still have copies of this text I would very much like to beg a copy from you for it would be of great value and interest to have a copy on file.

Apart from my chemical interests, personal reasons also add to my interest in Loschmidt and Couper.

I have recently translated Beyer/Walter: "Lehrbuch der Organischen Chemie" into English and in doing this, I have had close friendly relations with Wolfgang Walter (Hamburg) and he is keenly interested in Loschmidt and has taught me about him. As a result of this there is a footnote referring to Loschmidt at the beginning of the <sup>section</sup> on Aromatic Compounds in the English translation, & a similar note will appear in the forthcoming 23rd edition of the German version.

As regards Couper, working in a Scottish university naturally gives one an interest. Even more, one of my closest & oldest friends is Dr. A. Couper, until he retired recently a physical chemist in the University of Bristol, and he believes that he belongs to the same Couper family and therefore has a keen interest in things related to Archibald Scott Couper.

If you can provide me with a copy of this text I will be most grateful.

With kind regards,  
Yours sincerely,  
Douglas Lloyd

MEMORANDUM FOR THE RECORD

150

[The following text is extremely faint and illegible. It appears to be a memorandum detailing a project or administrative matter. Key words that are barely discernible include 'Project', 'Status', 'Action', and 'Recommendation'. The text is organized into several paragraphs, likely describing the progress of a task and the proposed next steps.]

Dr. Alfred Bader  
2961 North Shepard Avenue  
Milwaukee, Wisconsin 53211

*A Chemist Helping Chemists*

August 29, 1995

Dr. Ray Bonnett  
Scotia Research Professor  
Department of Chemistry  
University of London/Queen Mary College  
Mile End Road  
London E1 4NS  
England

Dear Ray:

Quite often in my life, I have been surprised and delighted by the thoughtful manner in which I have been treated. One such example is you sending me your beautifully bound book on chlorophyll, one of only eight copies.

Please accept my sincere thanks.

With all good wishes, I remain,

Yours sincerely,

AB/cw

cc: Jeffrey Simmons



From the Department of Chemistry

Professor R Bonnett BSc PhD DSc CChem FRSC  
Scotia Research Professor

16 Aug 75



Dear Alfred  
When the chlorophyll paper was  
complete, I had eight copies specially  
bound. It makes a beautiful volume, &  
this is the last copy, a gift for you.

With compliments

You will see that your help is acknowledged  
on p. xi and p. 1658. Kindest regards  
Ray

Queen Mary and Westfield College  
Mile End Road  
London E1 4NS

Telephone 0171 975 5024  
Departmental Fax 0181 981 8745  
Telex 893750





# UNIVERSITY OF ABERDEEN

Academic Registrar

Peter J Murray MA PhD

## REGISTRY

UNIVERSITY OFFICE REGENT WALK ABERDEEN AB9 1FX

Telex 73458 UNIABN G Fax 0224-488611

16 January 1995

Dr William J P Neish  
22 Hallam Grange Rise  
Sheffield  
S10 4BG

Dear Dr Neish

### Neish Prize in Chemistry

Thank you for your letter of 7 January 1995 regarding the above prize. I have looked at our records and can provide you with the undernoted information on prize winners to date.

Session	Prize Winner	Undergraduate Degree	Postgraduate Degree
89/90	Mr Stephen Kemp	BSc Honours 1st Class 1990	In writing up period for PhD in Chemistry
90/91	Miss Lynn A Burnett	BSc Honours 1st Class 1991	Currently registered for PhD in Chemistry Part-time
91/92	Miss Clare Brotherton	BSc Honours 1st Class 1992	Currently registered in 3rd Year of Study for PhD in Chemistry
92/93	Miss Aileen Craig	BSc Honours 1st Class 1993	Currently registered in 2nd year of study for PhD in Chemistry

If I can be of any further help please do not hesitate to contact me again. The University continues to greatly appreciate the funding of this prize which can only encourage students to continue their studies in the Chemistry Department.

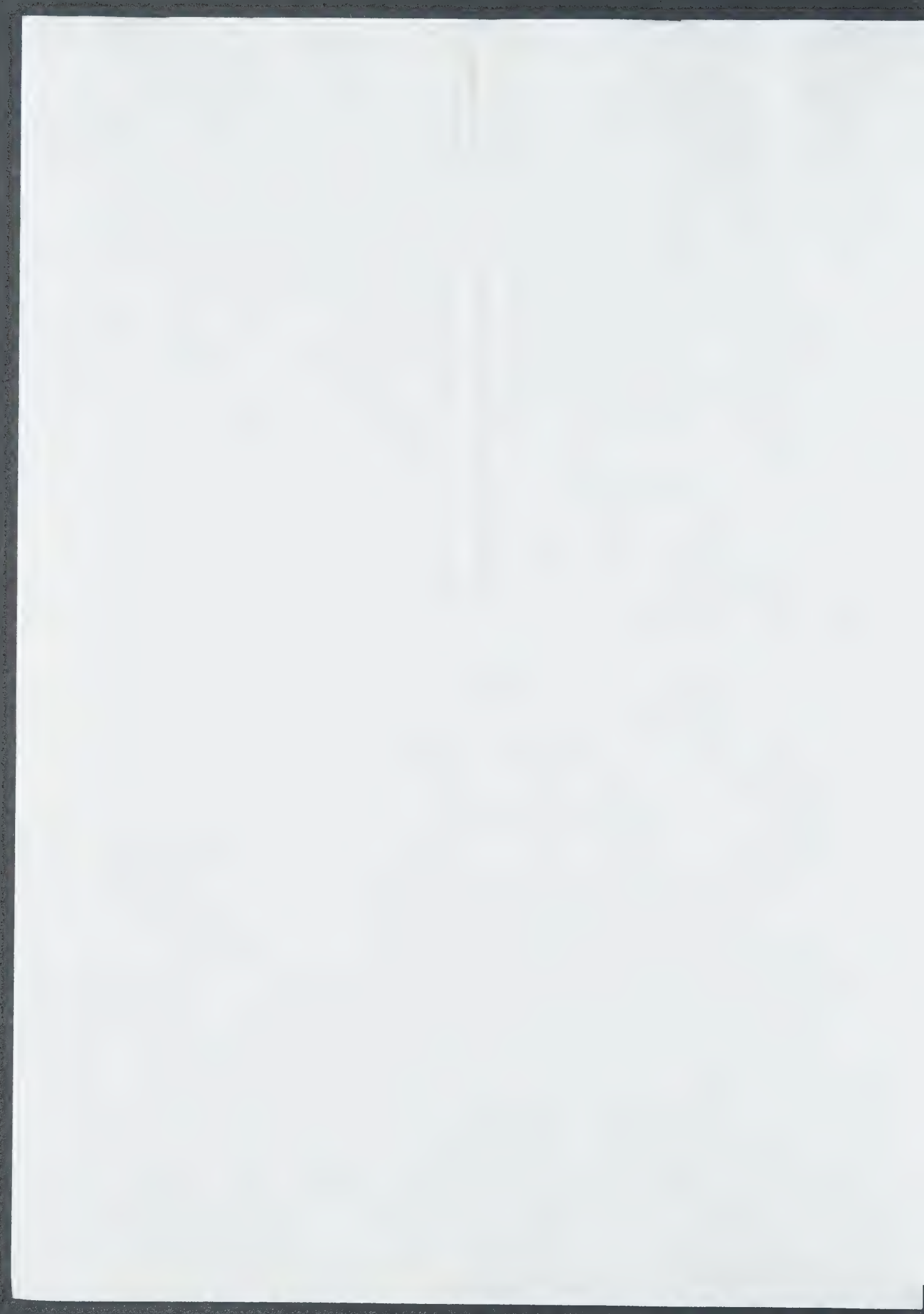
Yours sincerely,

M Park (Mrs)  
Examinations & Timetabling Officer

MP/KD  
ref:Neish

Telephone Enquiries 0224-  
Examinations and Timetabling Office 272962  
General Council Office 272049      Senatus and Board of Studies 273505  
International Office 273503      Undergraduate Office 273507  
Postgraduate Office 273506      Undergraduate Admissions Office 273504

19 Jun 95  
At long last.  
Love Willy







Dr. Alfred Bader  
924 East Juneau, Suite 622  
Milwaukee, Wisconsin 53202  
Phone: 414/277-0730  
Fax: 414/277-0709

*A Chemist Helping Chemists*

October 13, 1995

Mr. Richard Stevenson  
Editor, *Chemistry in Britain*  
Royal Society of Chemistry  
Burlington House, Piccadilly  
London W1V 0BN  
England

Dear Richard:

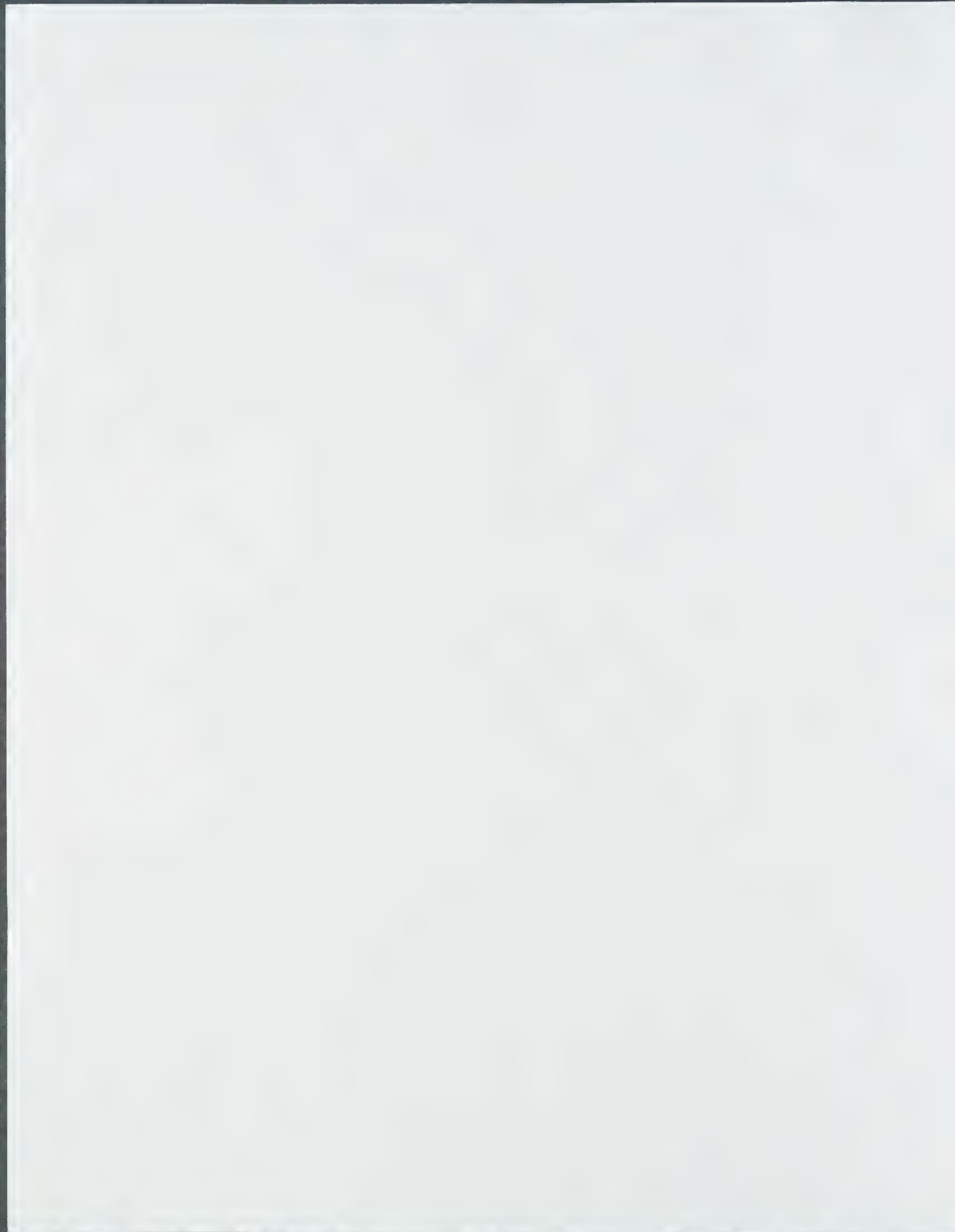
I am very happy with the note "Remembering Loschmidt" in your October issue. Many thanks.

I much look forward to being in England in November and December and hope to have a chance to discuss with you whether a paper on Couper and perhaps also one on an intriguing painting depicting Professor Brande teaching Michael Faraday to make Prussian Blue would be suitable.

With all good wishes and best regards, I remain,

Yours sincerely,

AB/cw



Dr. Alfred Bader  
2961 North Shepard Avenue  
Milwaukee, Wisconsin 53211

September 30, 1994

Mr. Richard Stevenson, Editor  
Chemistry in Britain  
Royal Society of Chemistry  
Burlington House, Piccadilly  
London W1V 0BN  
England

Dear Richard:

I am happy to be able to tell you that the British publisher Weidenfeld has accepted my autobiography entitled *Adventures of a Chemist Collector*, and it will be available in Britain in April, priced at £9.99 for the soft cover and £14.99 for the hard cover. I enclose copy of the cover, index and introduction.

The American Chemical Society is considering offering this book through its book service, and I wonder if you also might wish to offer it to British readers. I have negotiated with Weidenfeld that I myself can offer you and the A.C.S. a 50% discount, provided only that the book is not offered at a lower than list price.

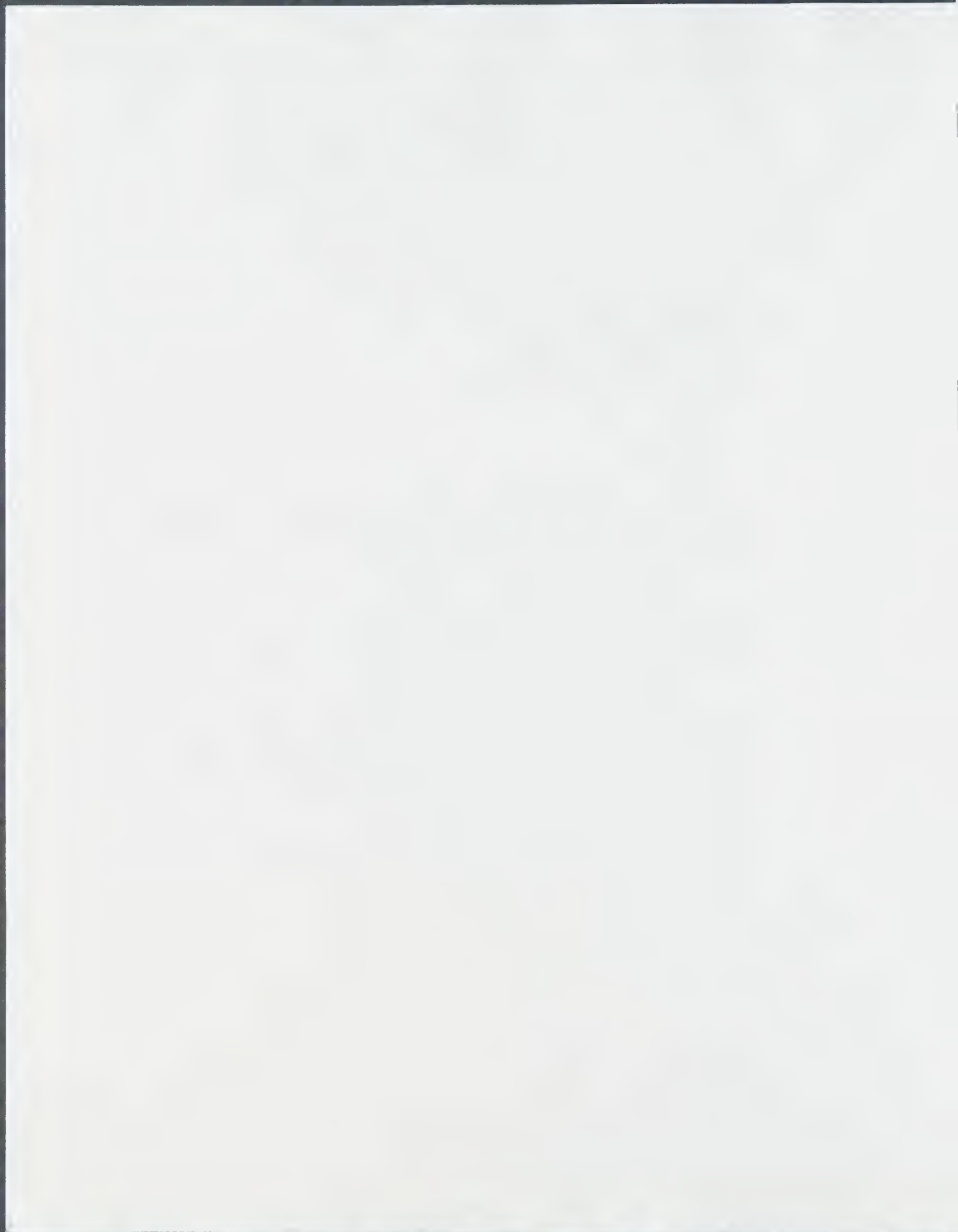
In time, I would very much appreciate your publishing a book review. As you can imagine, much of the book deals with chemistry, and of that with a great deal of chemistry in Britain. I am confident that my good friend, John Emsley, would be willing to write such a review, perhaps both for *Chemistry in Britain* and for daily papers like *The Independent* and *Financial Times*.

Isabel and I look forward to being in Britain next month, and I will then visit you to discuss all this.

All good wishes.

Sincerely,

Enclosures





## ALFRED BADER FINE ARTS

DR. ALFRED BADER

ESTABLISHED 1961

June 5, 1995

Dr. George W.J. Fleet  
Dyson Perrins Laboratory  
University of Oxford  
South Parks Road  
Oxford OX1 3QY  
England

Dear George:

I am so happy to have the news that you have won the Bader Award and will be presented with that on June 7th. We are just leaving Milwaukee that day to fly to Gatwick, and so I will not have the pleasure of attending, but our thoughts and good wishes will be with you. I can't think of any abler and kinder person in Britain to win this award.

You may know that Weidenfeld has published my autobiography, *Adventures of a Chemist Collector*, ISBN 0-297-83461-4, and I wrote about our happy collaboration on page 192.

I very much hope that you will consider allowing Aldrich to publish a paper from you in the *Aldrichimica Acta*. This goes to over 200,000 chemists worldwide, and I know that your paper will be really appreciated by its editor, Dr. Mark Drezdzon, at Aldrich in Milwaukee. In your paper, please do not refer to me in any way.

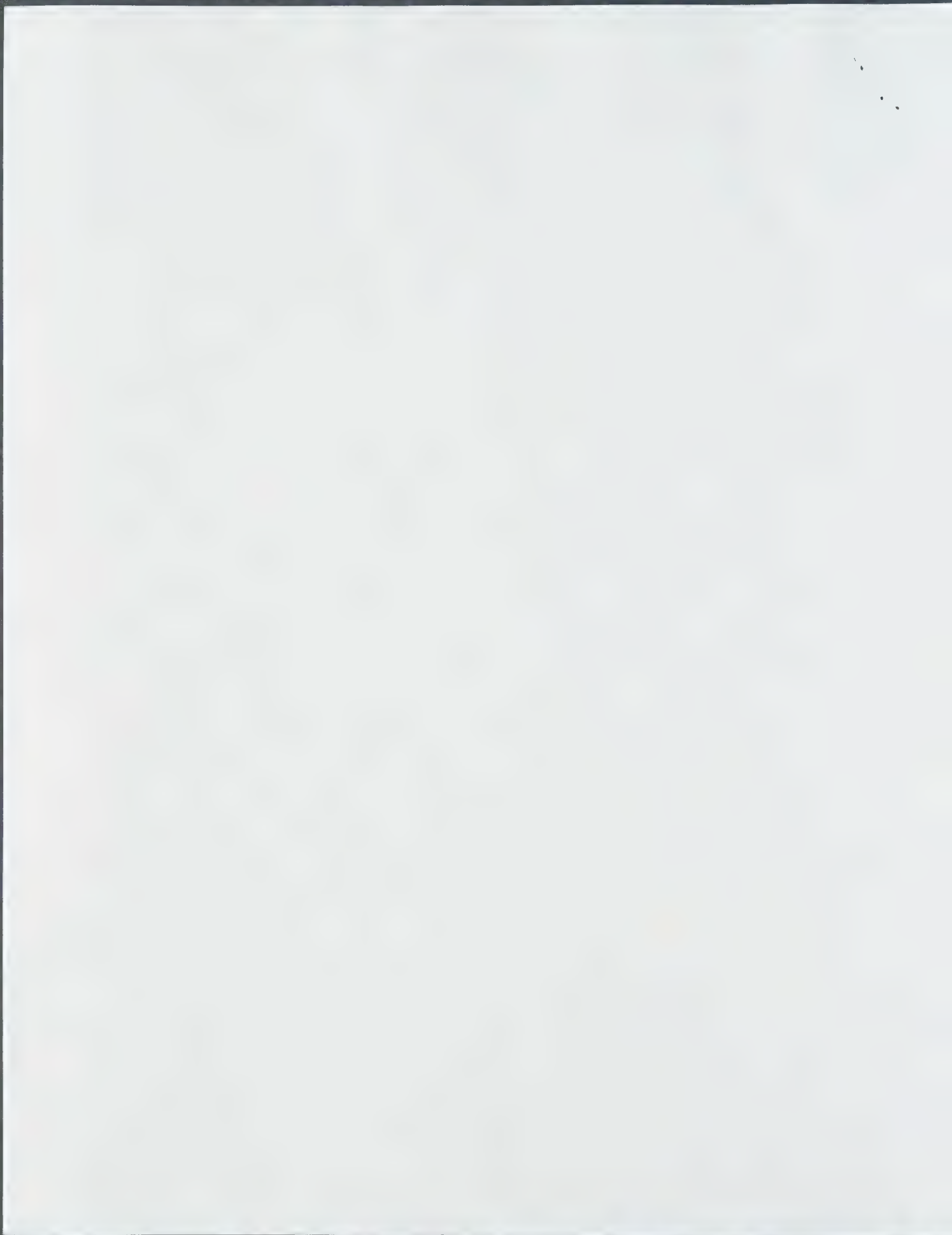
With all good wishes and heartiest congratulations, I remain,

Yours sincerely,

AB/cw

bc: Dr. Mark Drezdzon (w/encl.)

*By Appointment Only*  
ASTOR HOTEL SUITE 622  
924 EAST JUNEAU AVENUE  
MILWAUKEE WISCONSIN USA 53202  
TEL 414 277-0730 FAX 414 277-0709



**THE DYSON PERRINS LABORATORY  
SOUTH PARKS ROAD  
OXFORD OX1 3QY**

Dr. George W. J. Fleet  
Tel. 44 1865 275645  
Fax. 44 1865 275674  
e.Mail gwjf@vax.ox.ac.uk

Dr Alfred Bader,  
2961, North Shepard Avenue,  
Milwaukee,  
Wisconsin 53211,  
U S A

Wednesday, May 31, 1995

Dear Dr Bader,

I have recently learned that I have been awarded the Royal Society of Chemistry Bader Prize for this year, an award that exists due to your generosity.

It is so long ago that I won any sort of prize before this, it has given me very great pleasure, a pleasure that is made all the keener since I am very proud to have won a award that is associated with you name. I shall thoroughly enjoy using the proceeds. Although I have not seen you for some time, I have always greatly admired both your work and achievement and the way in which you behaved. You were very helpful to me in the early days that we met and I very much miss your visits to the Dyson Perrins Laboratory.

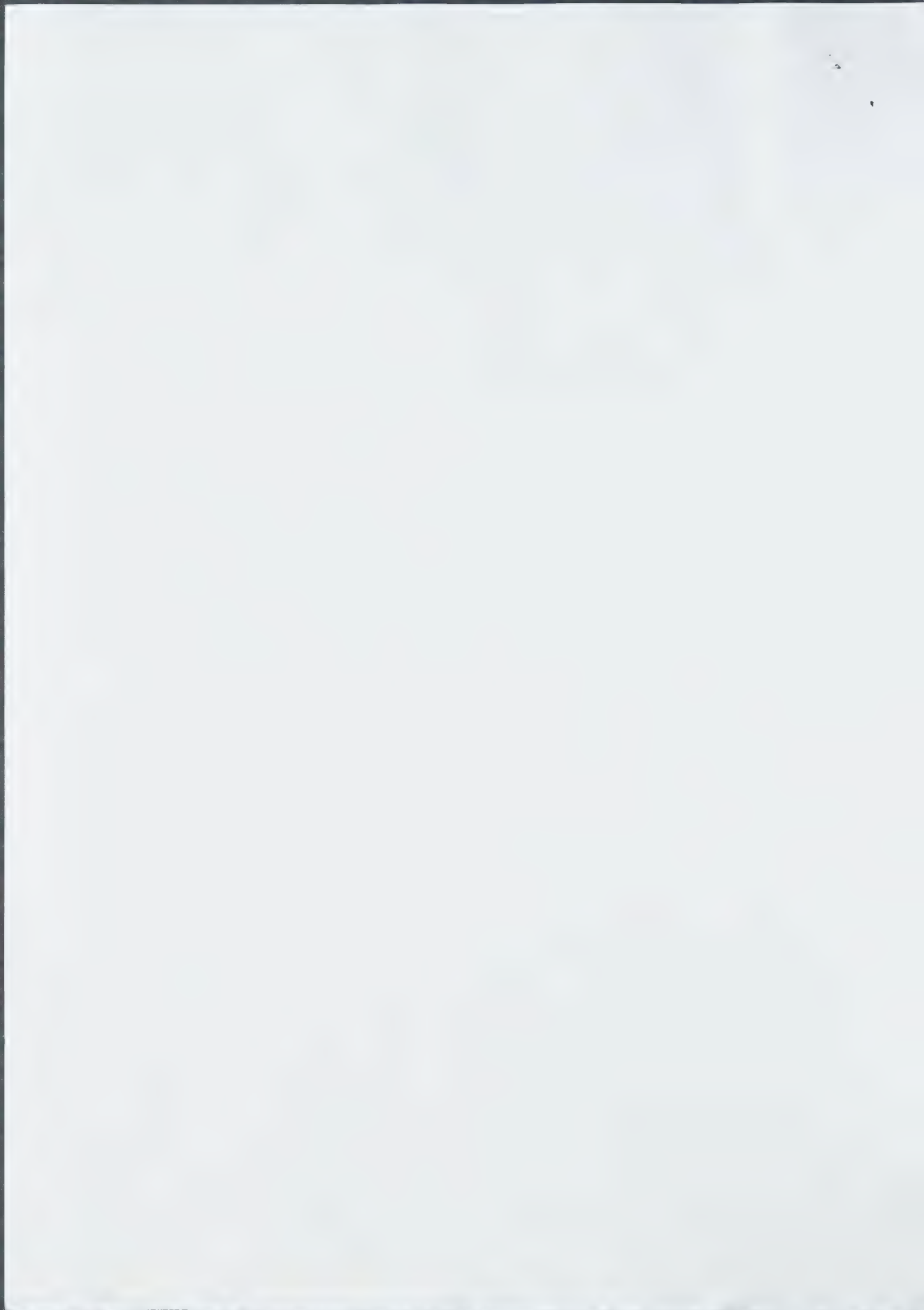
I hope life treats you reasonably well and that if you are ever in Oxford and can find the time to visit me, I should very much enjoy seeing you again.

With best wishes,

Yours sincerely,



Dr George Fleet





SUSSEX BRANCH OF THE CAMBRIDGE SOCIETY



Hon Secretary Frank [unclear]

I was delighted to receive a phone call from [unclear] [unclear] [unclear] and thought you might like to see the notice that I have sent to members advising them about the meeting at [unclear] [unclear] [unclear] [unclear] Members will have you very much in mind [unclear] [unclear] [unclear]

I have just read your autobiography and thoroughly enjoyed it. The passages about your early years in Canada are, of course, moving. Your contribution to art came as a surprise to me and is most impressive.

*[Handwritten signature]*  
[unclear]  
[unclear]



## SUSSEX BRANCH OF THE CAMBRIDGE SOCIETY



### AUTUMN MEETING - HERSTMONCEUX CASTLE SUNDAY, 10 SEPTEMBER 1995

The Autumn meeting will take place at Herstmonceux Castle on SUNDAY, 10th September. After lunch we will be entertained by Christopher Luscombe.

#### HERSTMONCEUX CASTLE

Herstmonceux Castle, built of brick and surrounded by a moat, is one of the most picturesque castles in England. Built in 1441 it is the oldest brick building of any note still standing. It obtained its name in the 13th century when Idonea de Herste, a Saxon lady who owned Herste manor, married a Norman nobleman called Ingelram de Herstmonceux.

In the late 18th century the Castle was said to be so dilapidated as to be beyond repair and throughout the 19th century was a romantic ruin and a popular sight for sightseers. It was the haunt of a ghost (the headless drummer) and smugglers. Restoration commenced in 1912 and from the outside the castle looks almost as it did in the 14th century.

In 1946 the Admiralty purchased the castle to be the new home of the Royal Greenwich Observatory.

#### The Royal Greenwich Observatory

The Isaac Newton Telescope, five metres in diameter, was completed in 1966 but owing to light pollution was moved in 1978 to the Canary Islands. Inspired by Professor Gregory FRS, the old Equatorial Telescope Buildings have been converted into a Science Centre which has over 30 hands-on exhibits which appeal to visitors of all ages (magnetic per-lulum, bucket telescope, inverting mirror, magic bowl, Jacob's ladder, illusion discs, Bernoulli blower, vortex bottles, etc.). A 27 inch telescope can also be seen.

If we can make up a group, Chris Parker, director of the Science Centre, has offered to give us a tour of the Centre at 10.30 am. There will be plenty of time to "play" with the exhibits. Would those interested please let me know.

#### Dr Alfred Bader

Alfred Bader was an Austrian refugee who came to Britain in 1938 at the age of 14. When war broke out he was sent to an internment camp in Canada. Released in 1941 he applied to several Canadian Universities but all rejected him; except one - Queens University for whom he nurtures lifelong gratitude. He went on to enjoy a distinguished career in chemistry and built up his own companies in the USA. In 1992 he bought Herstmonceux Castle as an International Study Centre for Queens University for £6 million and it was opened in 1994.

#### Grounds

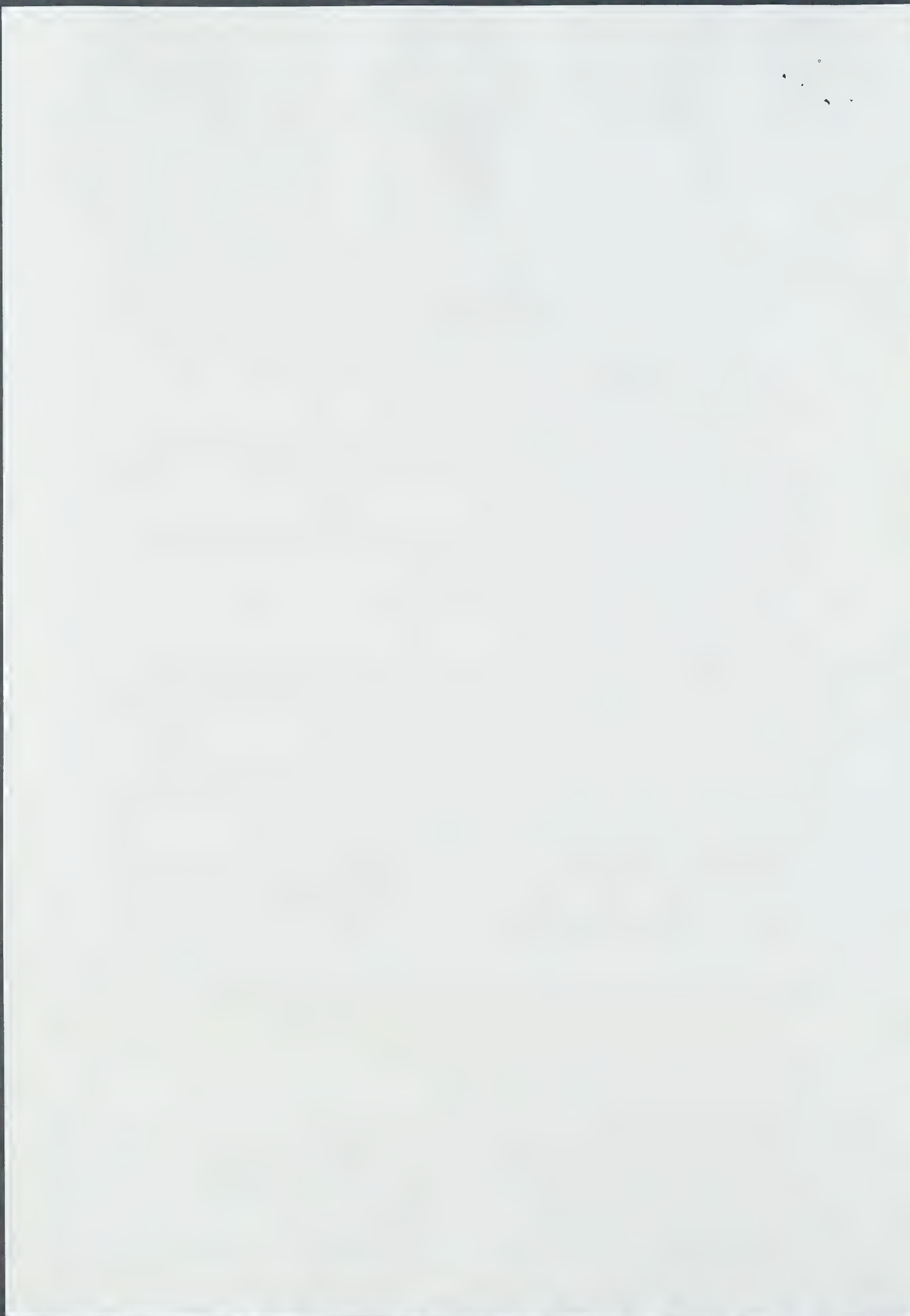
The Castle is set in over 500 acres of grounds and includes a secret garden. The moat is world famous for its lilies. September is a delightful month for the Elizabethan walled garden and the Herb garden.

#### Lunch & Refreshments

The Executive Director of the International Study Centre, Professor Don Macnamara (General ret'd) and his wife Lee have accepted our invitation to be guests at lunch and he will address us after lunch.

#### Christopher Luscombe

Christopher Luscombe (Pembroke 1982-85) toured extensively with Cambridge Footlights and is a member of the Royal Shakespeare Company. He is rehearsing "The Shakespeare Revue" for the RSC which opens in the Pit at the Barbican on 14th August and runs until 2 November. Sharply satirical and hilariously comic all his performances in August are already sold out. "Alma Mater" is part of his highly acclaimed one man show "Half a Century".



## PROGRAMME

- 10.00 am Tour of the Science Centre by Chas Parker, the Director  
at the Science Centre
- 11.00-11.30 am As Members arrive they will be taken on tour of the Castle by guide
- 11.15 pm "Pimms" reception in courtyard if weather permits
- 12.45 pm Lunch in the superb Ballroom. Bernadette Saunders, Catering Manager, will provide a two course hot meal with choice of sweets and coffee
- 1.15 pm Christopher Luscombe will entertain us for about 45 minutes with "Alma Mater" - a tribute to the Observer
- 1.30 pm A.G.V.
- 1.15 - 6.00 pm Tour of gardens and grounds and/or visit to Science Centre  
Tea rooms and Castle Shop will be open

## Wine

There will be a wine table with a choice of three white and three red wines, all modestly priced

## Cost

Price for wine reception, lunch in the Ballroom and tour of the Castle will be £20 per person. A visit to the Science Centre costs an additional £2 each

## How to get there

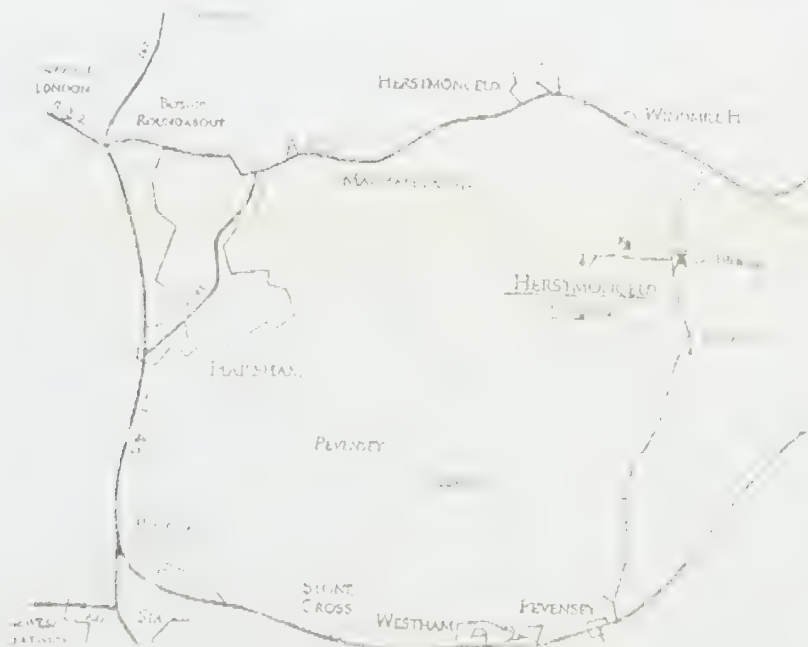
Herstmonceux Castle is about 10 minutes drive from Eastbourne. There is only one road that leads to the Castle and it runs between Pevensey and Windmill Hill via Warling. It can be reached either from Windmill Hill which is on the A271 (running between Hailsham and Battle) or from Pevensey which is on the A27, the main road running East from Brighton and Lewes

## Parking and where to foregather

Park in the grass park in front of the Castle and cross the bridge over the moat. Those touring the Science Centre at 10.30 am park in the Science Centre car park and then drive later to the Castle

## Reception - Mrs Geraldine Binning

The Committee would like to pay a special tribute to Geraldine Binning who has performed reception duties during many meetings and has agreed to be on duty again at Herstmonceux. Geraldine is the widow of Dr Rex Binning who founded the Sussex Branch



10

Dr. Alfred Bader  
2961 North Shepard Avenue  
Milwaukee, Wisconsin 53211

September 20, 1993

Dr. John Emsley  
Department of Chemistry  
Imperial College  
London SW7 2AY  
England

Dear John:

Your comments published about the catalog may actually make Aldrich re-think charging for the next catalog. The Library catalog is out, and you will remember that it is now called the Sigma-Aldrich Library, rather than the Alfred Bader Library. It is a very nice catalog, with an alchemical painting from the Philadelphia Museum of Fine Arts on its cover. It's catalog number is Z24461-9, and in the U.S. it is selling for \$79. You might like to call Gillingham, of course on the 800 number, to inquire for how much that catalog number sells in the U.K.

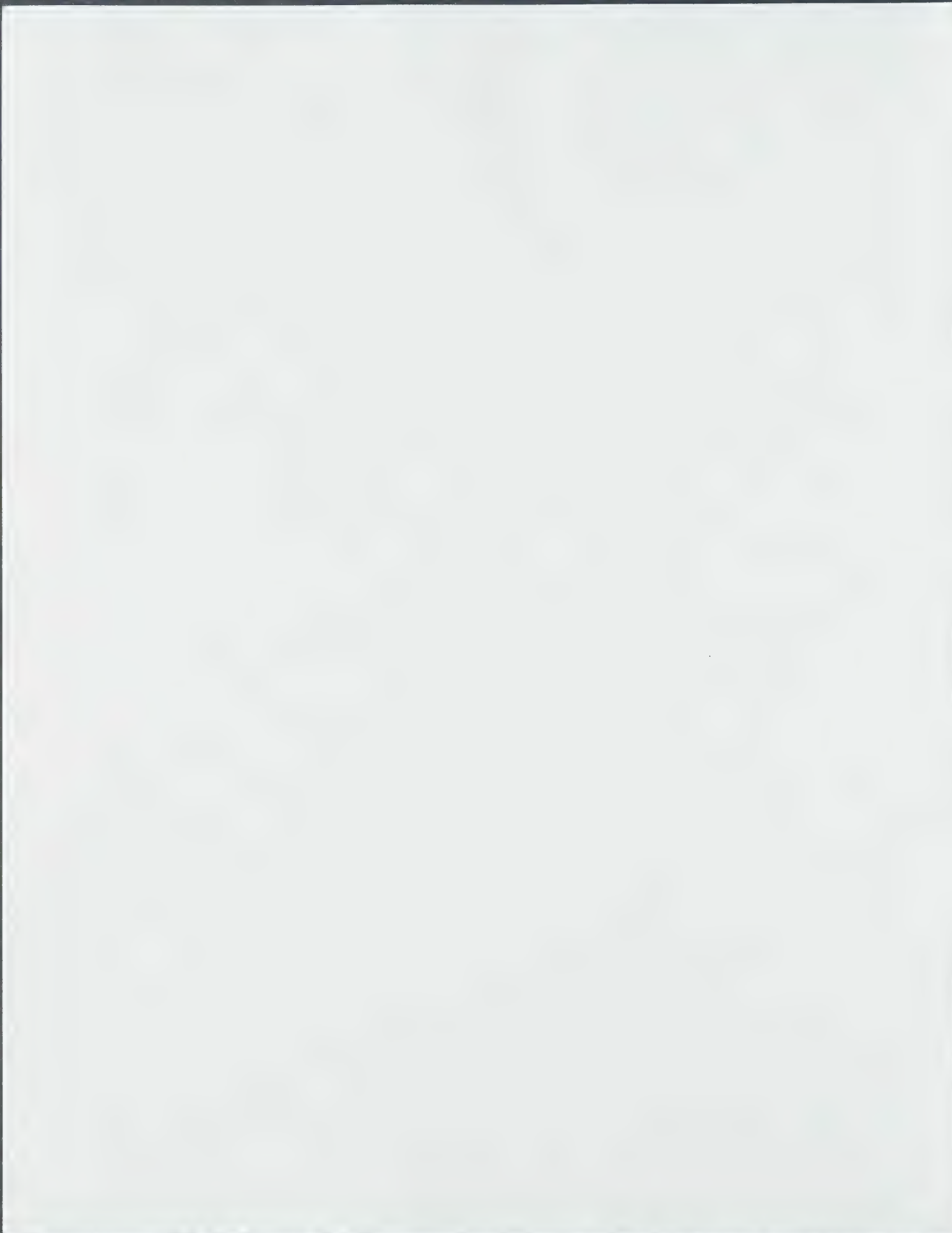
I find it icky to sell a catalog, and the last catalog cover for the Library now looks almost prophetic: you may recall that it was that man with the open mouth. His mouth would be open even further if he could see the company trying to sell 5000 catalogs at \$79/each.

Time flies, and I already look forward to visiting you in November and December.

All good wishes.

As always,

Enclosure





Dr. Alfred Bader  
2961 North Shepard Avenue  
Milwaukee, Wisconsin 53211

December 28, 1993

Mr. Anthony Mulgan, Chairman  
Monday Talks Committee  
University of the Third Age in London  
44 Crowndale Road  
London NW1 1TR  
England

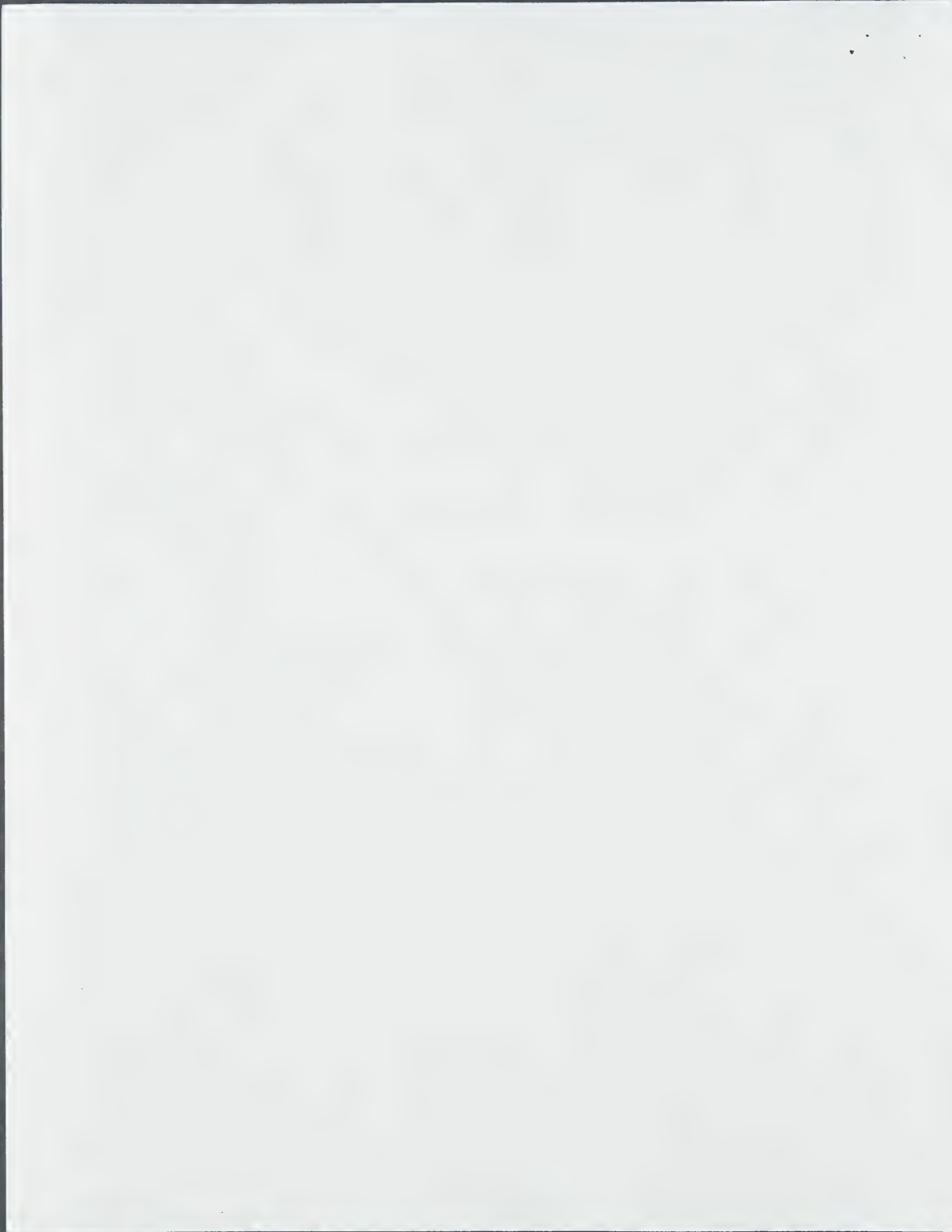
Dear Mr. Mulgan:

I am sorry that a long trip has delayed my responding to your letter of the 22nd of November.

However, I will not be able to speak at your university in 1994.

All good wishes.

Sincerely,





**UNIVERSITY OF THE THIRD AGE IN LONDON**

44 Crowndale Road, London NW1 1TR. Telephone 071 383 0323

22 November 1993

Dear Dr Bader,

I wasn't a member of the University of the Third Age in London in 1991, but several people have told me how much they enjoyed your talk. This is just a general enquiry, to ask if you are likely to be in this country at any time during the next year or so, and if so, would be willing to talk to us on any subject that currently interests you. Certainly, we should be very pleased if you could come again.

Our spring term runs from 18 April to 4 July, our autumn term from late September until early December, and the winter term 1995 from January to March (I haven't got the exact dates for the last two). Our talks by outside speakers are, as you know, on Monday mornings at 11, and they normally take place here in the Working Men's College (though I think your talk in 1991 took place in the nearby Teatro Technis).

I have to settle the lists of speakers distressingly early, because they are circulated to our members months ahead. This means that I shall be agreeing times for speakers in Spring 1994 during the next month. If therefore mirabile dictu you could come during that time, I would appreciate an early reply. If, as I expect, this would be too short notice for you, then perhaps you would be kind enough to let me know what times in the future might be possible for you.

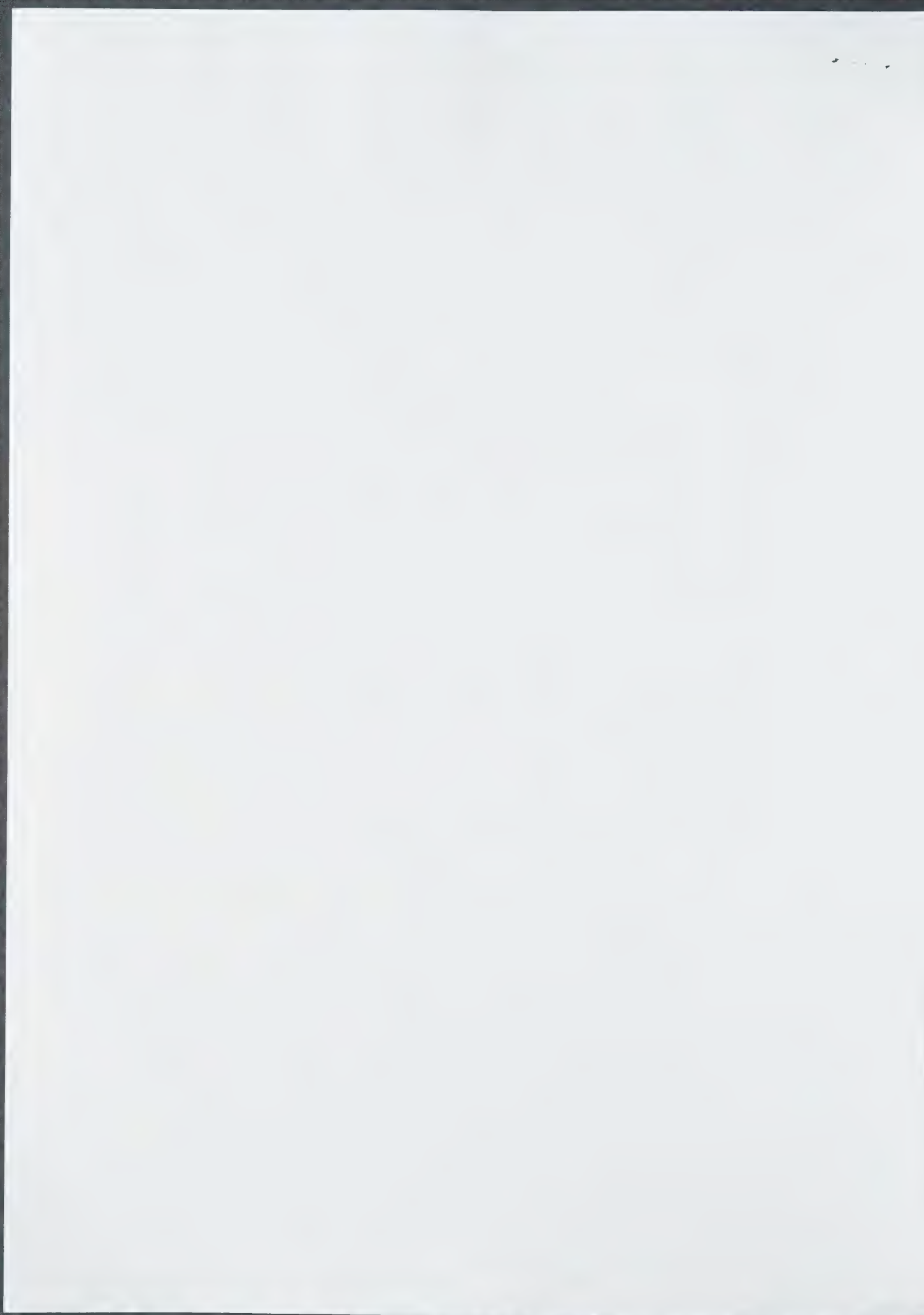
With many thanks and all good wishes,

Yours sincerely,

A handwritten signature in cursive script, appearing to read 'Anthony Mulgan'.

Anthony Mulgan  
Chairman, Monday Talks Committee

Dr Alfred Bader  
2961 N Shephard Avenue  
Milwaukee  
Wisconsin 53211  
USA



Dr. Alfred Bader  
2961 North Shepard Avenue  
Milwaukee, Wisconsin 53211

October 21, 1993

Mr. Richard Stevenson, Editor  
Chemistry in Britain  
Royal Society of Chemistry  
Burlington House, Piccadilly  
London W1V 0BN  
England

Dear Mr. Stevenson:

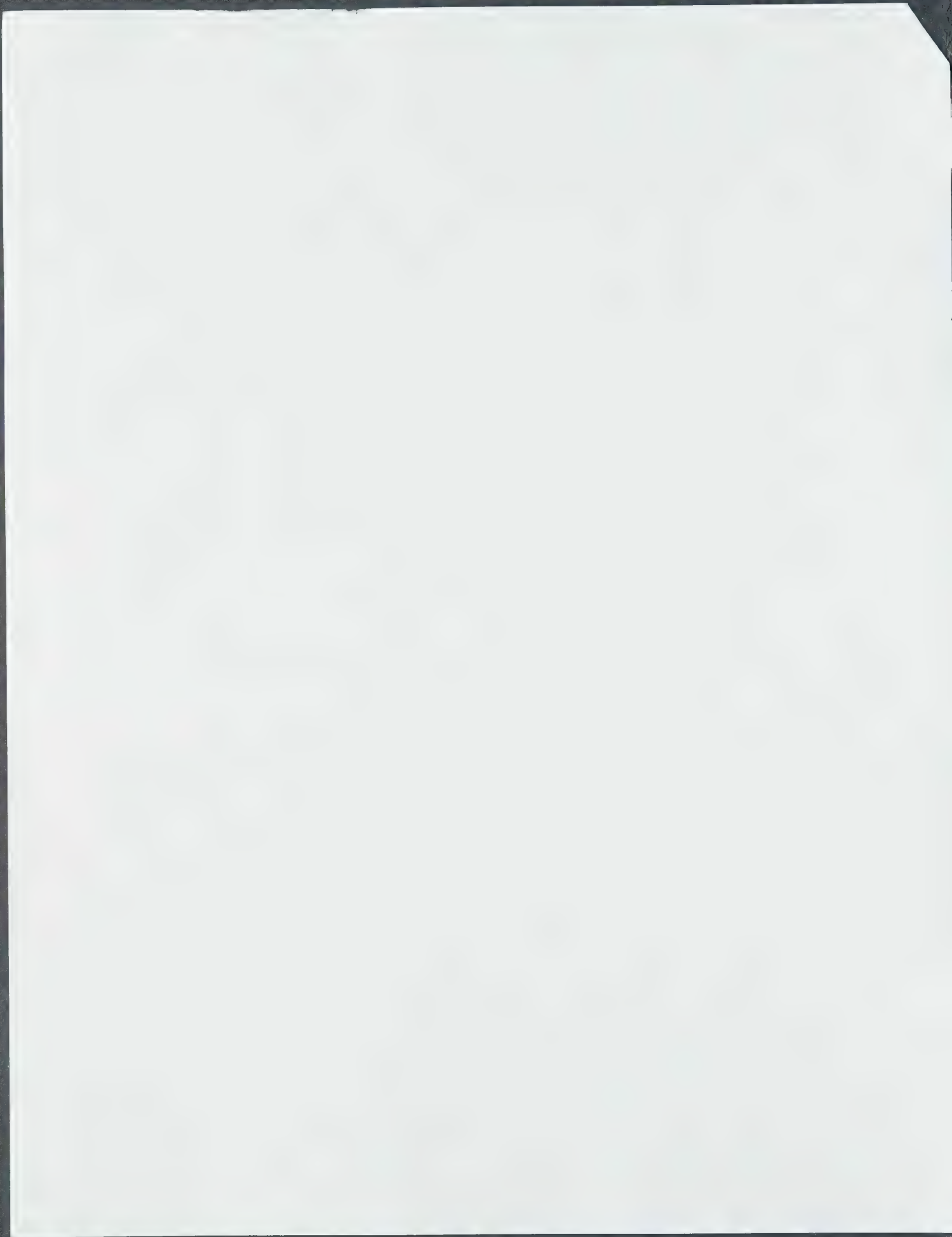
You mentioned that you had an interest in the history of Tacrine, the Alzheimer's drug. I enclose pages from a rough draft of my autobiography dealing with the early history of Tacrine, as well as a description of the involvement of the Helen Bader Foundation with Alzheimer's disease.

I look forward to seeing you in London soon, and I will then be happy to answer any questions you might have.

Best wishes.

Sincerely,

Enclosure



A letter from SERC

Dear Editor,

I liked the piece about Richard Templer in the latest *CDN* but could I add that the sessions at which he spoke were in fact co-sponsored by SERC and COPUS - just to show that SERC wants to do its bit for the public understanding of science.

Yours sincerely,  
Geoff Heaford  
[Deputy Head  
Public Relations Unit]

A letter from Sheffield

Dear Editor,

During my intense 30 second study of your issue number 35, I was glad to observe that my young Meldola Medal winning colleague Dr Chris Hunter, of this University just north of Chesterfield, should be such a highly cited one, but I have little sympathy for "Top Prof" at Edinburgh (page 9) abusing the RSC about London venues. We do, of course, have the largest one day meeting in the country every year in this same North-of-Chesterfield University and the programme of this annual festival of stereochemistry for 1993 includes:

Professor A. Alexakis (Universite Pierre et Marie Curie, Paris), Prof A.G.M. Barrett (from some southern metropolitan venue), Professor K.C. Nicolaou (The Scripps Research Institute, USA), Dr D. Obrecht (Hoffmann-La Roche, Basel) and Prof. H. Ringsdorf (University of Mainz, Germany).

This is an RSC meeting and about 400 people come each year so I urge "Top Prof" either to join us or set up on his own. Who wants to go to London anyway!

Yours sincerely  
Charles Stirling  
[Prof of Organic Chemistry and Head of Dept  
Sheffield University]

Calling all staff: do you know of any good lecturers who would give a talk to the ChemSoc? If so please contact Sarah Cross via the student pigeon holes.

**All booked up**

Sue Irwin, the dept librarian, was near to tears at the end of last term when she was faced with the mammoth task of accepting hundreds of bound journals from the main college library. But she was soon smiling again, thanks to the help of her assistant Catherine Dillon and 'volunteers' Chris Sausman, and Enzo and Ernesto Poggioli, who carried 250 crates of books to the dept library. These have now been shelved ready for the new academic year, and a happy Sue paid tribute to all who had helped: "I didn't believe it could be done, but they did it!"

IC Chemistry now has Britain's best resourced dept library, which not only includes all the commonly used journals, but a full set of *Chemical Abstracts* up to 1991. Among the 32 new journals that have been added to the library are such 'exotic' titles as:

*Bulletin de la Societe Chimique de France,*  
*Collection of Czech. Chem. Comm.,*  
*Gazzetta Chimica Italiana,*  
*Monatshefte für Chemie,*  
*Zhurnal Fiziceskoi Khimii.*

Speaking to our reporter, Sue said that the past year had seen remarkable changes within the library. "We now stock 300 chemistry journal titles and have over 4,000 books in the library. If what you seek is not here, you can immediately access the on-line catalogues of all the other London colleges from terminals in the library. We also have superb photocopying facilities and since the two new copiers were installed in January over 150,000 copies have been made." Asked how the scheme, which allowed postgrads to use the library in the evenings and at week-ends, was operating Sue admitted: "There were a few teething troubles at first but now the system is working well."

**BRITISH ASSOCIATION**

William Waldegrave pledges a National Week of Science and Technology and this will start on Friday 18 March 1994. There will be 15 mini-science festivals. Got any ideas? If you have please send them to Brian Gamble:  
The British Association  
Fortress House, 23 Savile Row  
London W1X 1AB

Useful phrases: "Our library and computing resources are the best in Britain."

*Be fruitful and multiply* no.5

In a previous *CDN* we reported on the benefits of acronyms and showed how easy it is to stack nouns in writing a research paper. Our innocent advice brought a heartfelt response from someone who sees chemistry publications from the inside.

## Well-stacked chemists

By **David Bradley** (Senior Assistant Editor on *Chemical Communications* and a science writer.)

Your guidance to writers in the creation of useful information-packed acronyms with which to fill the columns of illustrious journals and magazines has begun to bear fruit - at least among the pages of *Chem. Commun.* The benefits to the journal are obvious: bulkier issues at no extra cost to the authors. There is a darker side, however, which could result in an increase in repetitive strain injury (RSI) among editorial staff, as well as greater cost to the environment due to increased ink usage and the release of chlorocarbons from Tipp-Ex.

One recent submission caused a great deal of grief. It was littered liberally, and literally, with some excruciating examples. The main use was for nuclear magnetic resonance spectroscopic techniques (always good for an extra couple of lines in any article straining to achieve full-length status.) What is a lowly technical editor to do with 1-D NMR INADEQUATE? This trips off the tongue easily for the author, but leaves the editor feeling just that. Investigations revealed that it stands for one-dimensional nuclear magnetic resonance incredible natural abundance double quantum transfer experiment. By thus using a simple abbreviation the author manages to pad out his paper by forcing the editorial staff to define it in full - hence the RSI and optic stress.

## Lewd

A second abbreviation left the editor feeling rather like the word itself: INEPT NMR (insensitive nuclei enhanced by polarization transfer NMR) and still more with the lewd SLITDRESS (slice interleaved depth resolved surface coil spectroscopy). 2-D heteronuclear correlation spectroscopy is just a tame

HETEROCOR while the rather wonderful DOUBTFUL is one of those occasional acronyms that the editorial red pen hesitates over, before depriving the author of the glory of its extra two lines.

It is often worth an editor challenging the author's usage of acronyms for the sake of tendons, ligaments, ink and eyes. A recent suggestion, to devise a novel NMR technique known as TERMINAL NMR was immediately greeted with the ripost: "Total Editorial Rejection of Mildly Irritating NMR Acrymonal Language!" What an editor needs in such cases is a TERMINATOR: Tautology Extractor for Multiply Insidious Nouns and Adjectives Towards Opportunities of Respite. Or else a long holiday.

Thanks David for warning our readers not to go for acronyms that make a word. This is immediately spotted as a ruse by wily editors. Stick to acronyms with a maximum of five letters, and make sure they don't spell a word. But whatever you do - keep publishing!



A WOODLAND GLADE

**Science Museum**  
**Fun on our doorstep!**  
*Super events for October*

- Talks: **London under London** 24th  
**Working Women** on 28th  
 Music: **Industrial folk singing**  
 23, 24, 30, and 31st  
 Tour: **Plastic gallery** 25th  
 Films: **Industrial heritage films**  
 23, 25, 26, 27, 29, 30 and 31st.

You can get further details by phoning the Science Museum info desk on 071-938-8080  
**"It's not as boring as it sounds"**

*Useful phrases:* "I have never been taught so well, and now I love chemistry."



Dr. Alfred Bader  
2961 North Shepard Avenue  
Milwaukee, Wisconsin 53211

September 17, 1992

Dr. Paul Carton  
Elsevier  
Science Publishers Ltd.  
Crown House  
Linton Road  
Barking, Essex IG11 8JU  
England

Dear Dr. Carton:

Thank you for your letter of August 19, which was forwarded to me from my English home at 52 Wickham Avenue, Bexhill-on-Sea.

Since my discussions with Dr. Peter Pollak at Lonza, I have become involved in a great many matters, both chemical and in the fine arts, and I do not believe that I could become a co-editor of your journal, even though this would be a most interesting challenge.

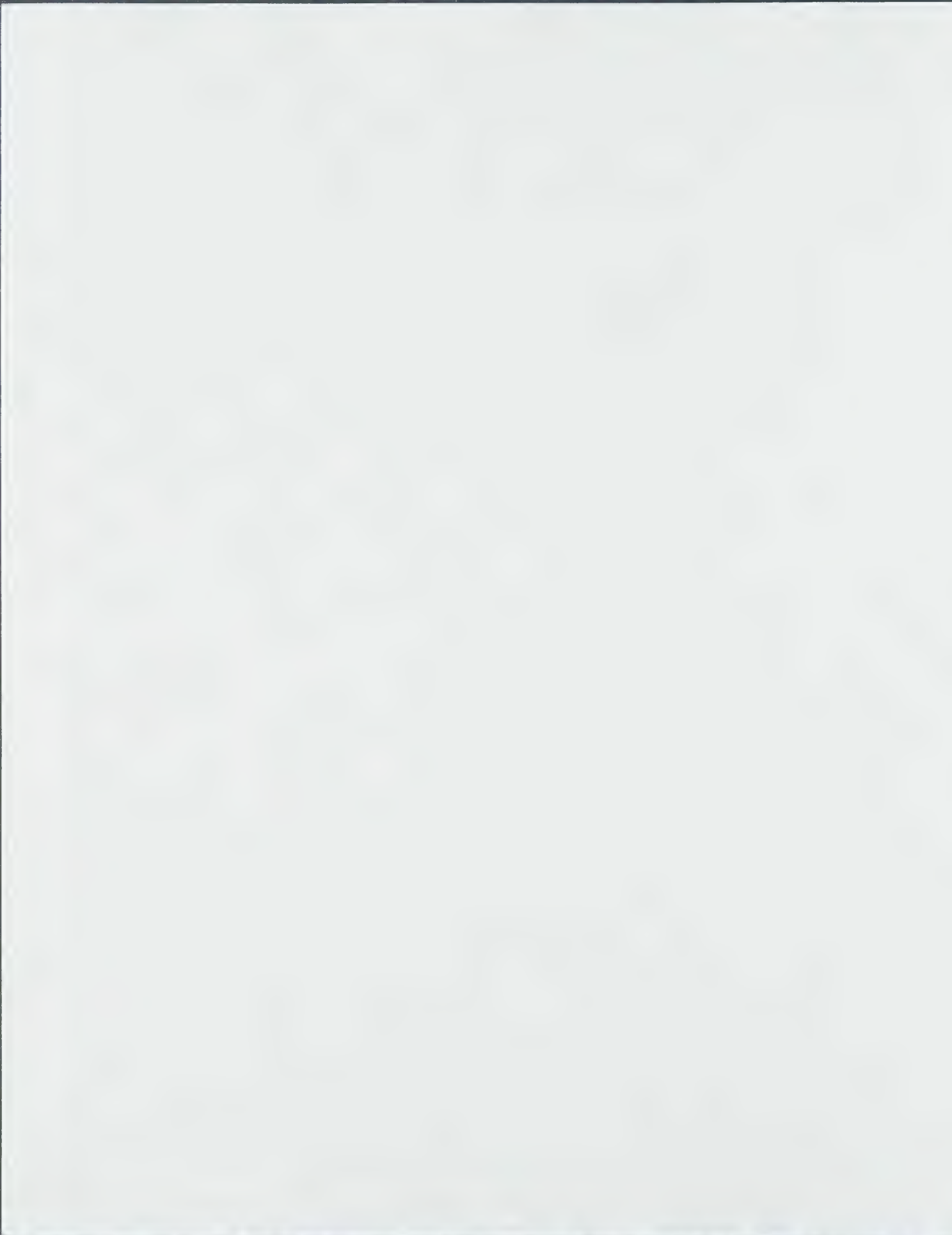
However, I might well be able to contribute in some lesser capacity, and I am wondering whether I might visit with you to discuss when next I am in England. I will be in Bexhill from November 16th through December 22nd, and perhaps we could meet in London at your convenience. My telephone number in Bexhill is 0424 222 223.

I look forward to hearing from you.

Sincerely,

(Dictated by Dr. Bader  
and signed in his absence)

c: Dr. Peter Pollak





# THE ROYAL INSTITUTION OF GREAT BRITAIN

21 ALBEMARLE STREET, LONDON, W1X 4BS

TELEPHONE: 071-409 2992

FAX: 071-629 3569

PROFESSOR P. DAY, M.A., D.Phil., F.R.S.  
DIRECTOR AND RESIDENT PROFESSOR OF CHEMISTRY  
TELEPHONES 071-409 2992, 071-493 2710

PROFESSOR C.R.A. CATLOW, M.A., D.Phil.  
WOLFSON PROFESSOR OF NATURAL PHILOSOPHY  
TELEPHONES: 071-409 2992, 071-491 1501

Dr Alfred R. Bader,  
2961 North Shepard Avenue,  
Milwaukee,  
Wisconsin 53211,  
U.S.A.

1st October, 1992

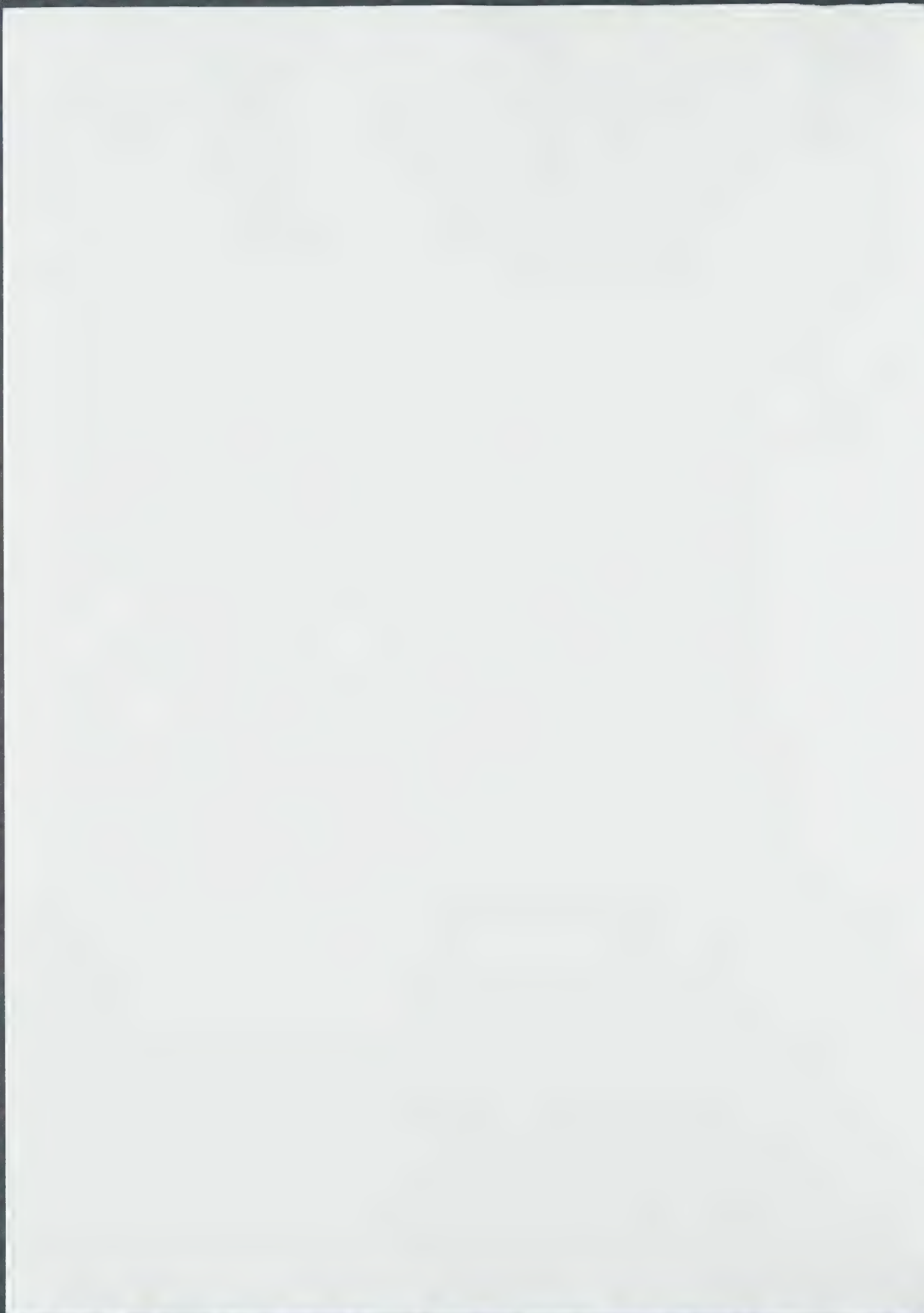
Dear Dr Bader,

I apologise for the delay in writing to thank you for illustrations for the text of your Discourse article. These have been sent to the publishers together with a copy of your letter giving your address and explaining the details about some of the figures. You will no doubt receive proofs in the not too distant future.

Best wishes.

Yours sincerely,

**Professor R. Catlow**



Dr. Alfred R. Bader  
2961 North Shepard Avenue  
Milwaukee, Wisconsin 53211

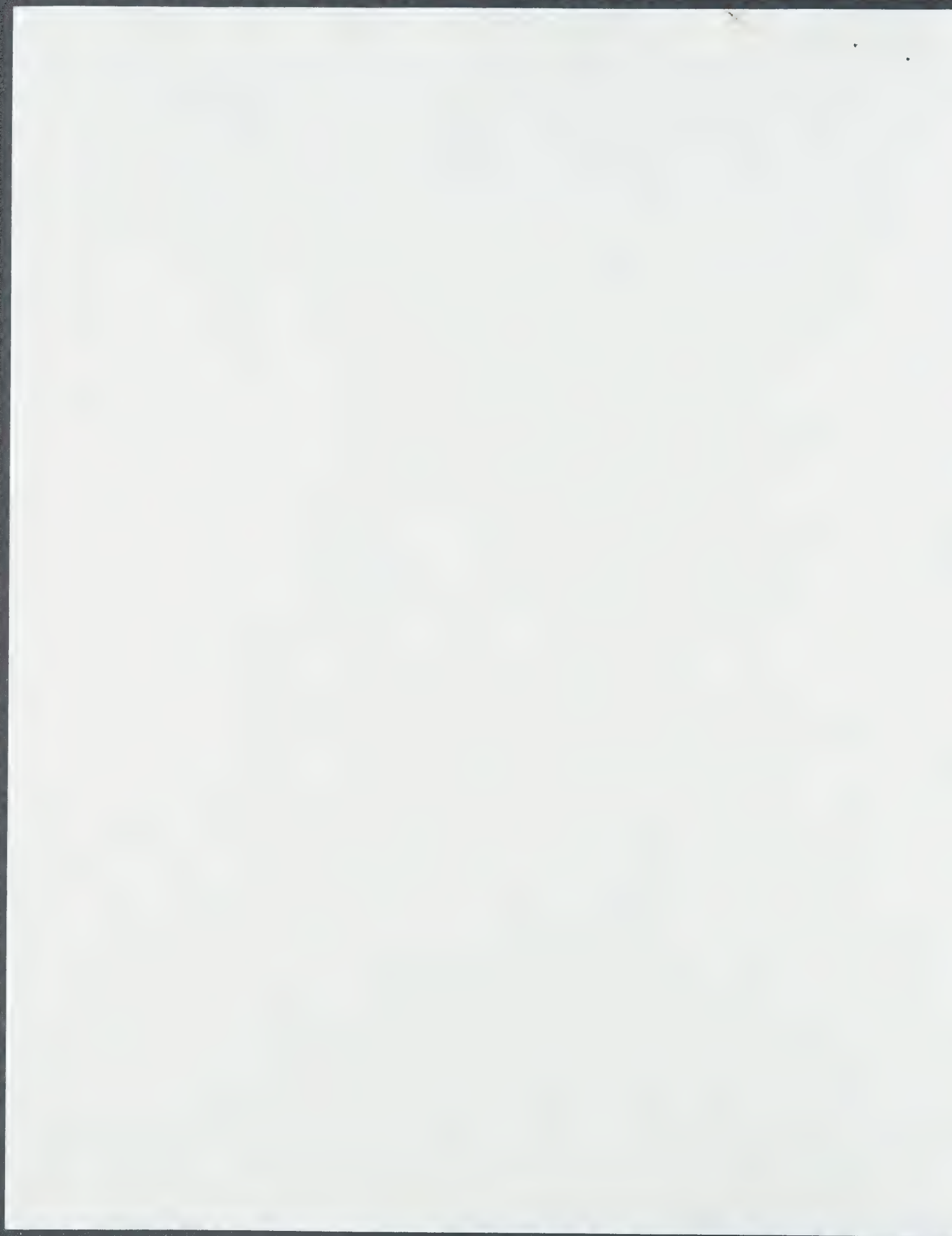
Professor C.P.A. Callow  
The Royal Institution of Great Britain  
London.

Dear Professor Callow:

I still remember with great pleasure  
my visit with you on May 15.

Last month I left with you my 12  
page MS for the Proceedings, and I hope  
that it is satisfactory.

Enclosed now are the six illustrations  
for the text. Figures 1, 2, 4 and 5  
will, I think be clear. Figures 3 and  
6 I am submitting both in German  
and with a free English translation;  
please decide which is more appropriate



for the Proceedings.

Also, on p. 5 of the m/s, may I ask you to add "fig. 4" to the end of the first paragraph, as indicated on the Xerox copy enclosed.

For the sake of my peace of mind, could you please acknowledge receipt of these figures, and let me know when I may expect galley. I'll be back in England in November and December.

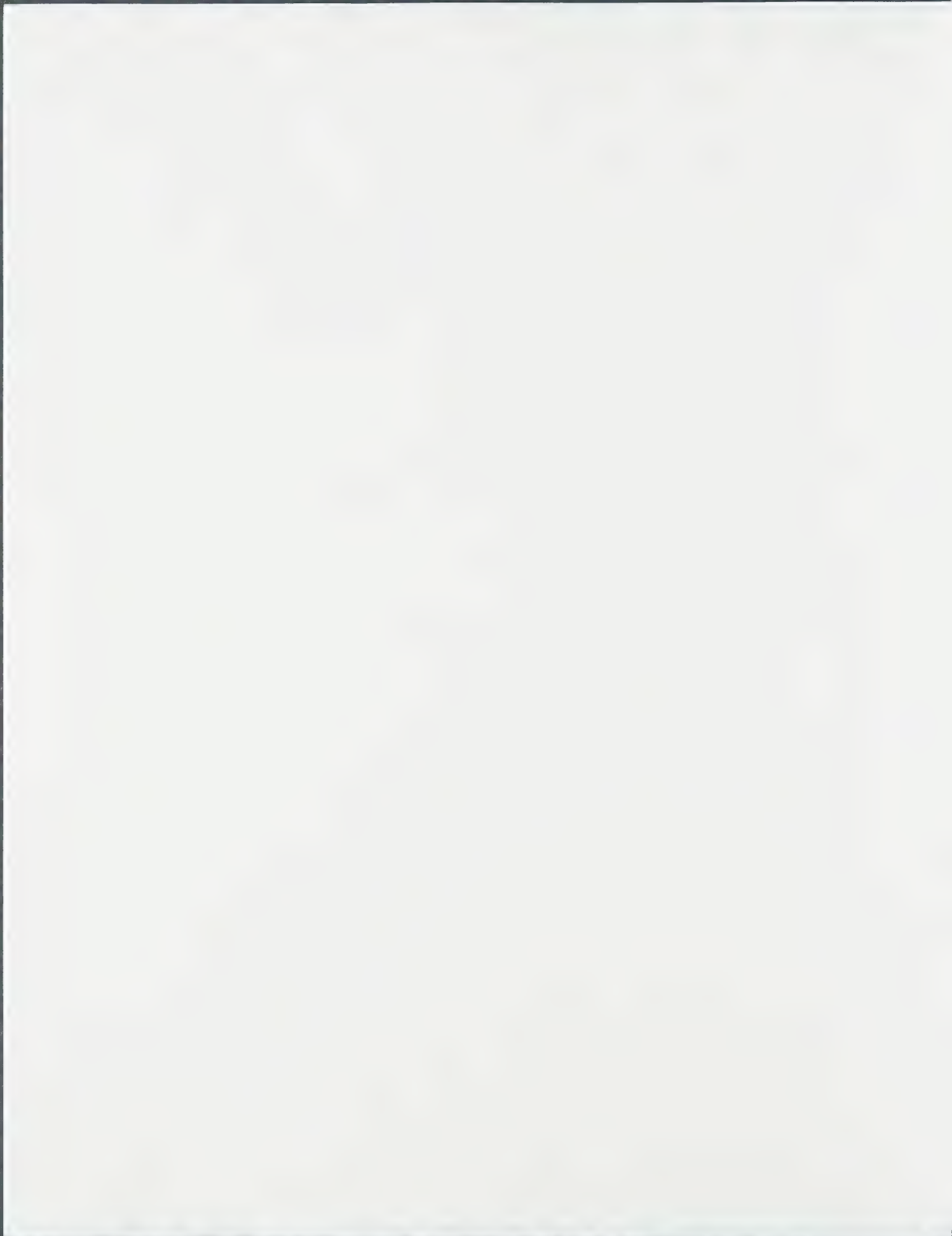
With all good wishes

I remain

Yours sincerely

Y. A. B. A.

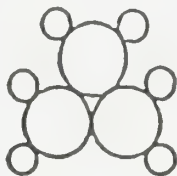
August 13 97





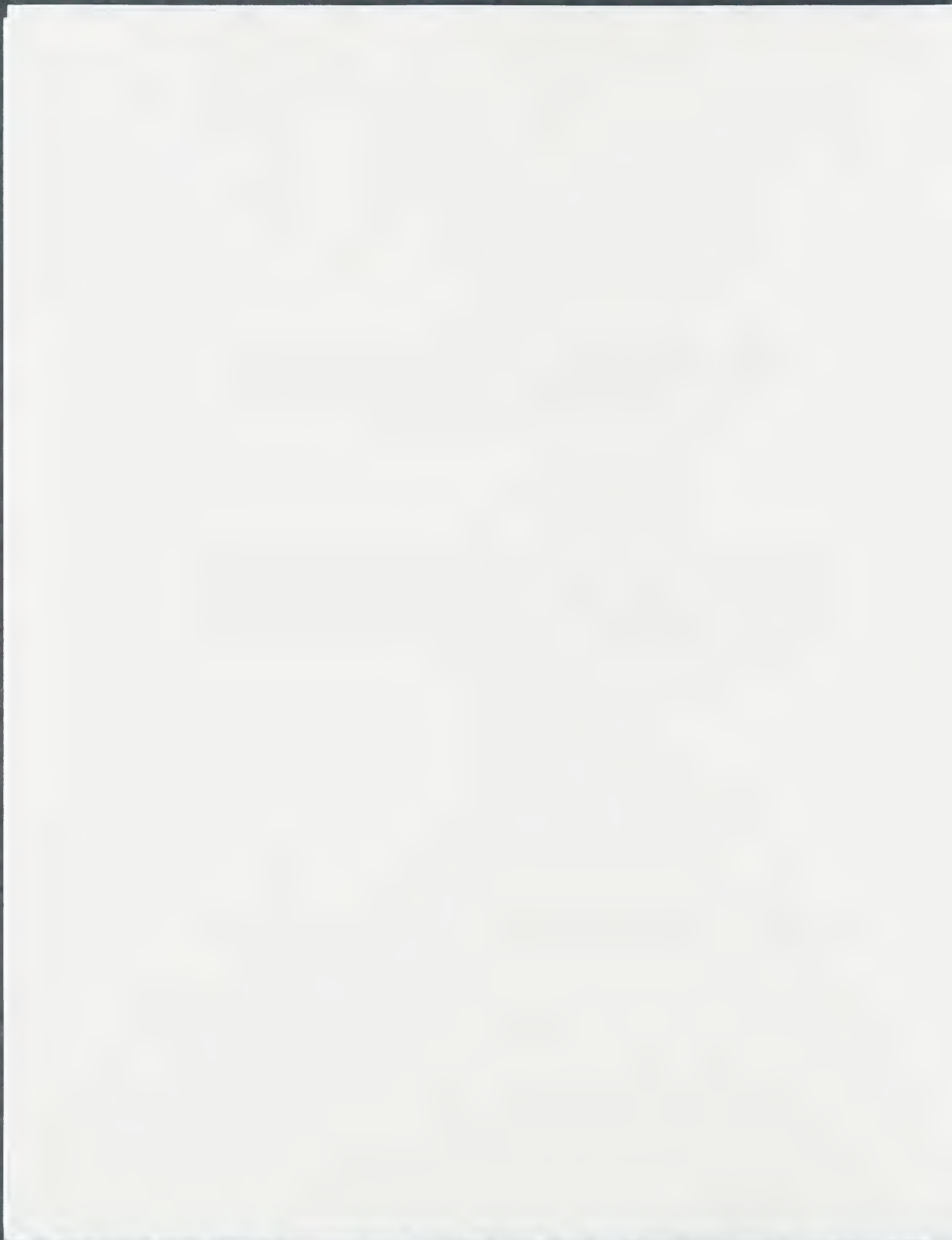
# RINGFÖRMIGE VERKNÜPFUNG VON KOHLENSTOFFEN

..... Der zweite Ausweg, der einer anderen Gestaltung des Kernes, ist im Sch. 68 für  $C_3H_6$  angedeutet. Diese Verkettung der Kohlenstoffatome hat, im Hinblick auf das gleiche Verhalten anderer mehrstelliger Atome, an sich nichts Unwahrscheinliches; sie drängt sich sogar, wie wir weiter unten beim Phenyl sehen werden, in manchen Fällen als die akzeptabelste Supposition auf. Die Frage wird sich übrigens für diese Kerne entscheiden lassen, wenn man untersuchen wird, ob es zwei verschiedene Kohlenwasserstoffe  $C_3H_6$  gebe, .....



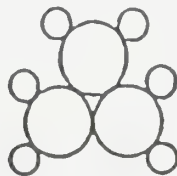
J. Loschmidt, KONSTITUTIONSFORMELN der organischen Chemie in graphischer Darstellung - Kern  $C_3$ . Propylen - und Allyl - Reihe (6, p. 28)

FIG. 3



## Carbon Rings

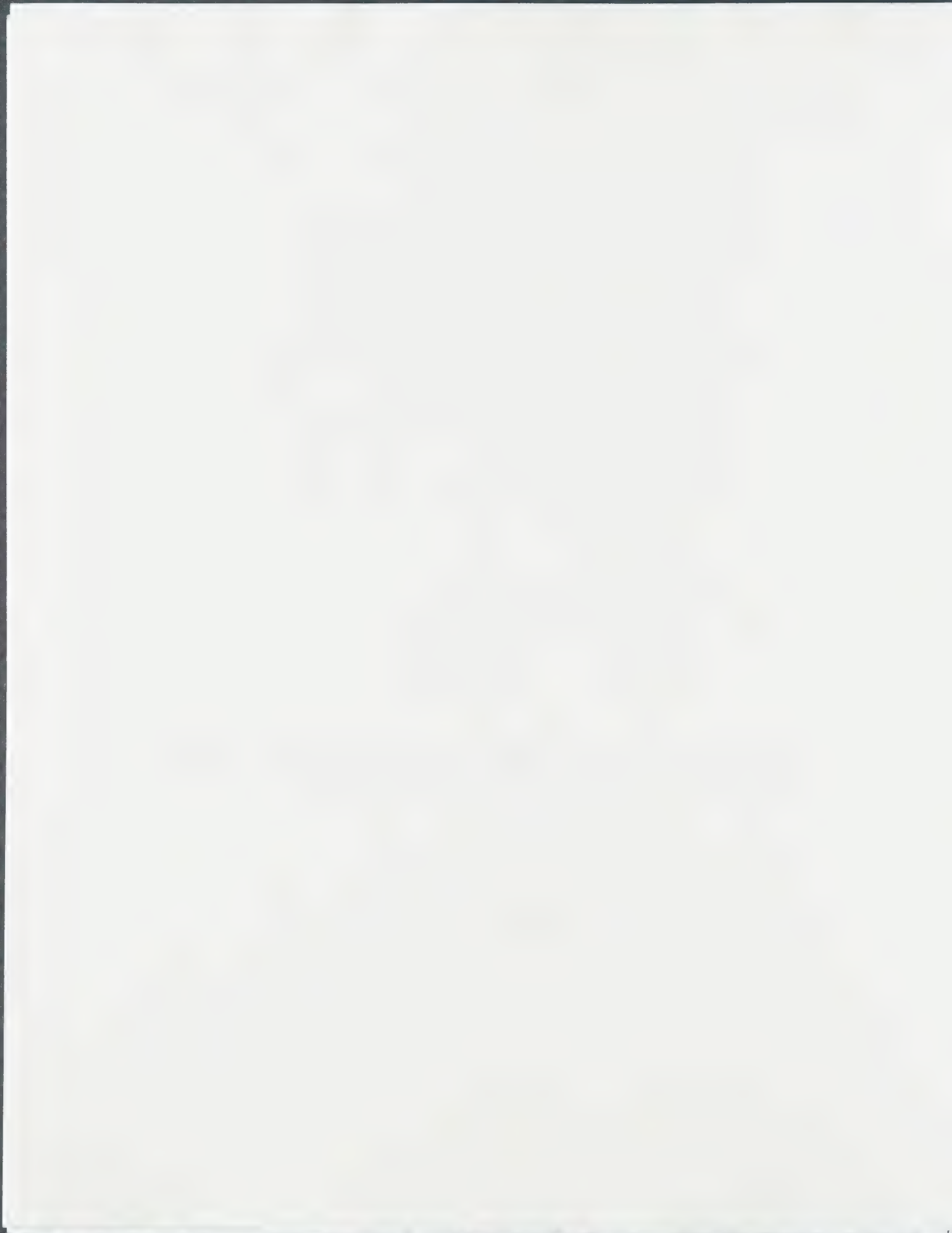
. . .The second possibility, that of another structure of the nucleus is shown in Figure 68 for  $C_3H_6$ . This linking of the carbon atoms is not unlikely, in view of the same linking with other polyvalent atoms; in fact, as we will see below with phenyl, it is in some cases the most acceptable supposition. One will be able to decide when we know whether there are two hydrocarbons,  $C_3H_6$ .



J. Loschmidt, KONSTITUTIONSFORMELN der organischen Chemie in graphischer Darstellung - Kern C<sub>3</sub>. Propylen - und Allyl - Reihe (6, p. 28)

ALTERNATE FIG. 3

~~SCANNED BY~~



Kern  $C_6^{VI}$ : Phenyl-Reihe.

-----Unter diesen Umständen könnte man fast versucht sein, die Unvollständigkeit dieser Kerne nicht sowohl durch Verdichtung, als vielmehr durch Schichtung der Kohlenstoffatome zu erklären, und dem Kerne  $C_6^{VI}$  ungefähr das Schema 182 beizulegen. Dies wäre demnach der doppelte Allylkern, nach der Variante Sch. 68, und man könnte zugleich den Kern der Naphthalinreihe  $C_{10}^{VIII}$ , den einzigen unvollständigen Kern von Bedeutung, dem nicht sechs Stellen fehlen [der Terpentinkern  $C_{10}^{XVI}$  dürfte eher ähnlich dem Vinylkerne anzunehmen sein], als einen verdreifachten Allylkern, mehr dem Methylkern  $C$  auffassen, und ihm das Sch. 183 geben. Dies Naphthalin würde dann eine dem Toluol analoge Constitution erhalten, welche letzteres wir als Methyl-Benzol betrachten werden. Jedenfalls ist es nach dem bis jetzt Vorliegenden unmöglich, hierüber zu einem definitiven Resultat zu gelangen, und wir können unsere Entscheidung um so mehr *in suspensa* halten, als unsere Constructionen davon völlig unabhängig sind. Wir nehmen für den Kern  $C_6^{VI}$  das Symbol Sch. 184 an, und behandeln denselben ganz so, als ob er ein sechsstelliges Element wäre.

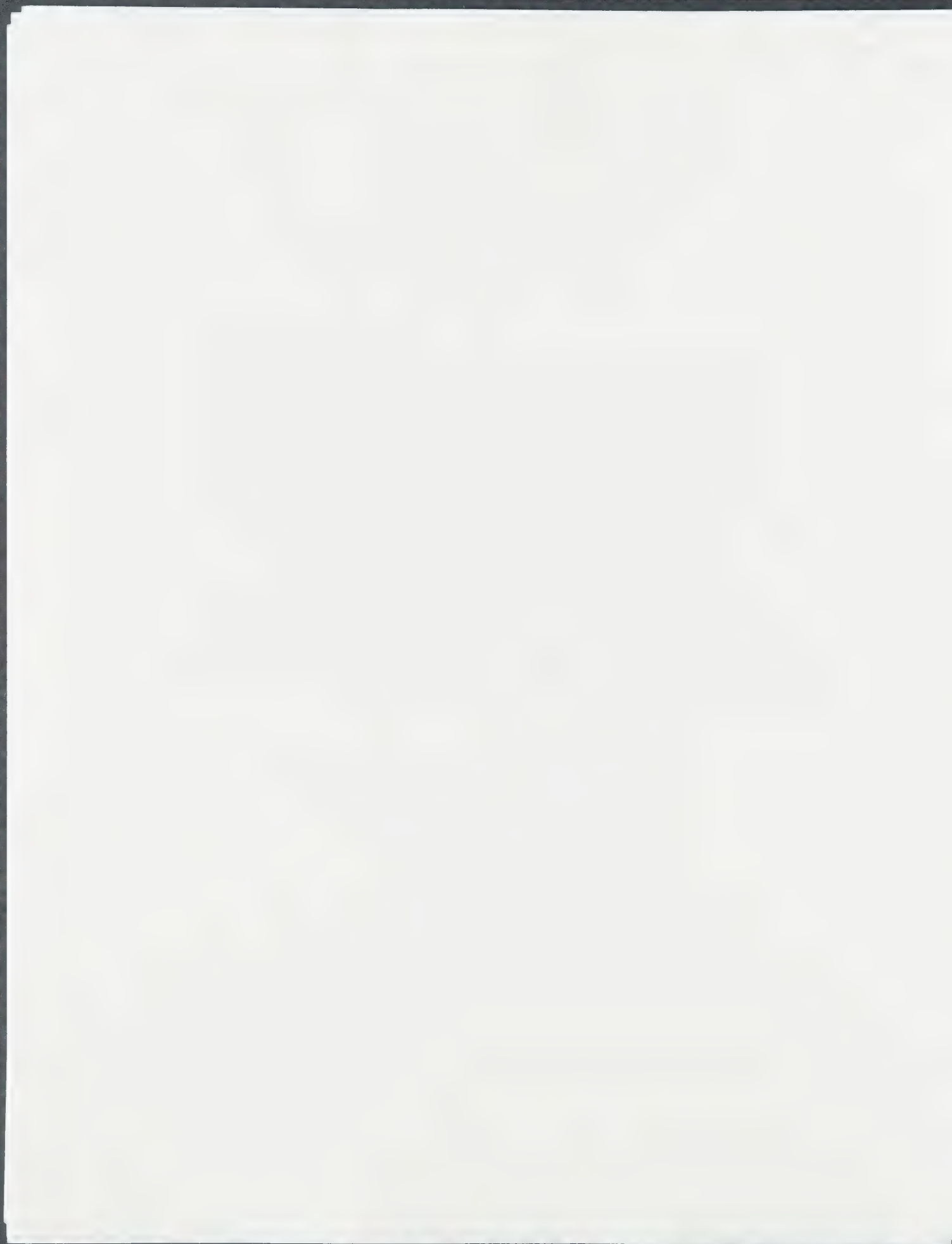


Schema 182, 183.



Schema 184, 185.

FIG. 6



Under these circumstances one might almost be tempted . . . to think of Figure 182.

From what we know so far, it is impossible to reach a definitive conclusion, and we can leave our decision in suspenso, particularly as our constructions are totally independent of this. We take for the  $C_6^{VI}$  nucleus Figure 184, and treat it as if it were a hexavalent element.



Schema 182, 183.

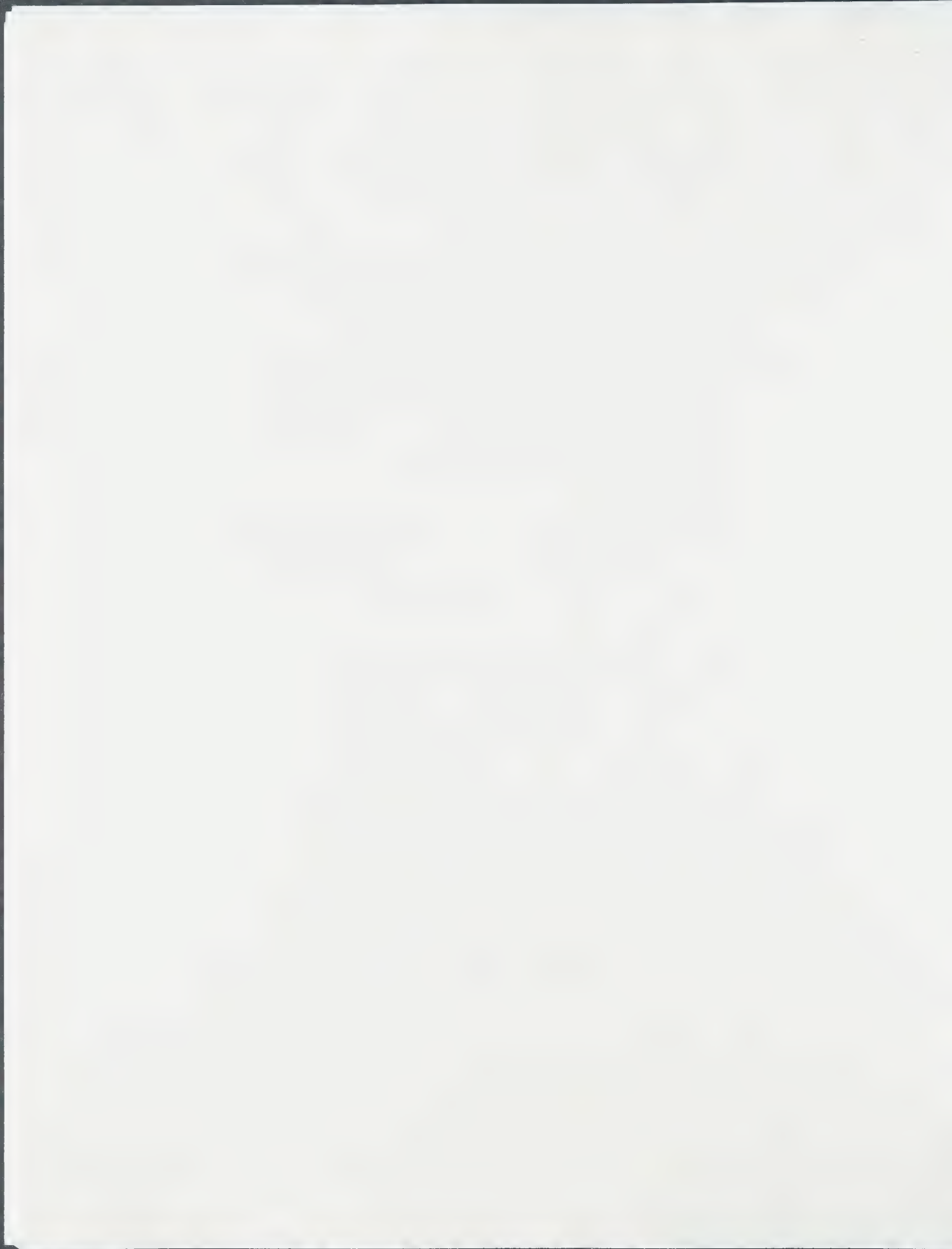


Schema 184, 185.

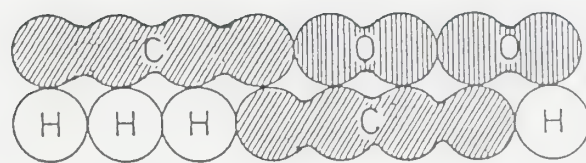
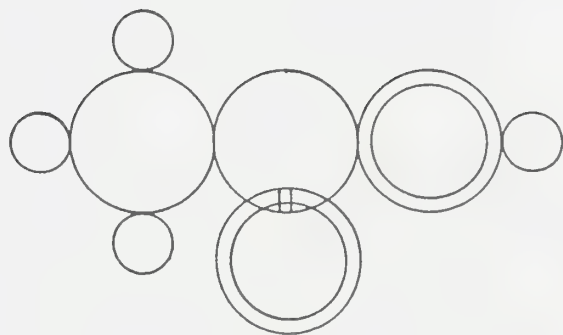
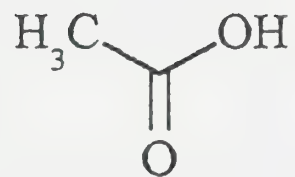
J. LOSCHMIDT, CHEMISCHE STUDIEN 1861

ALTERNATE FIG. 6

~~SSSNT~~ PCT





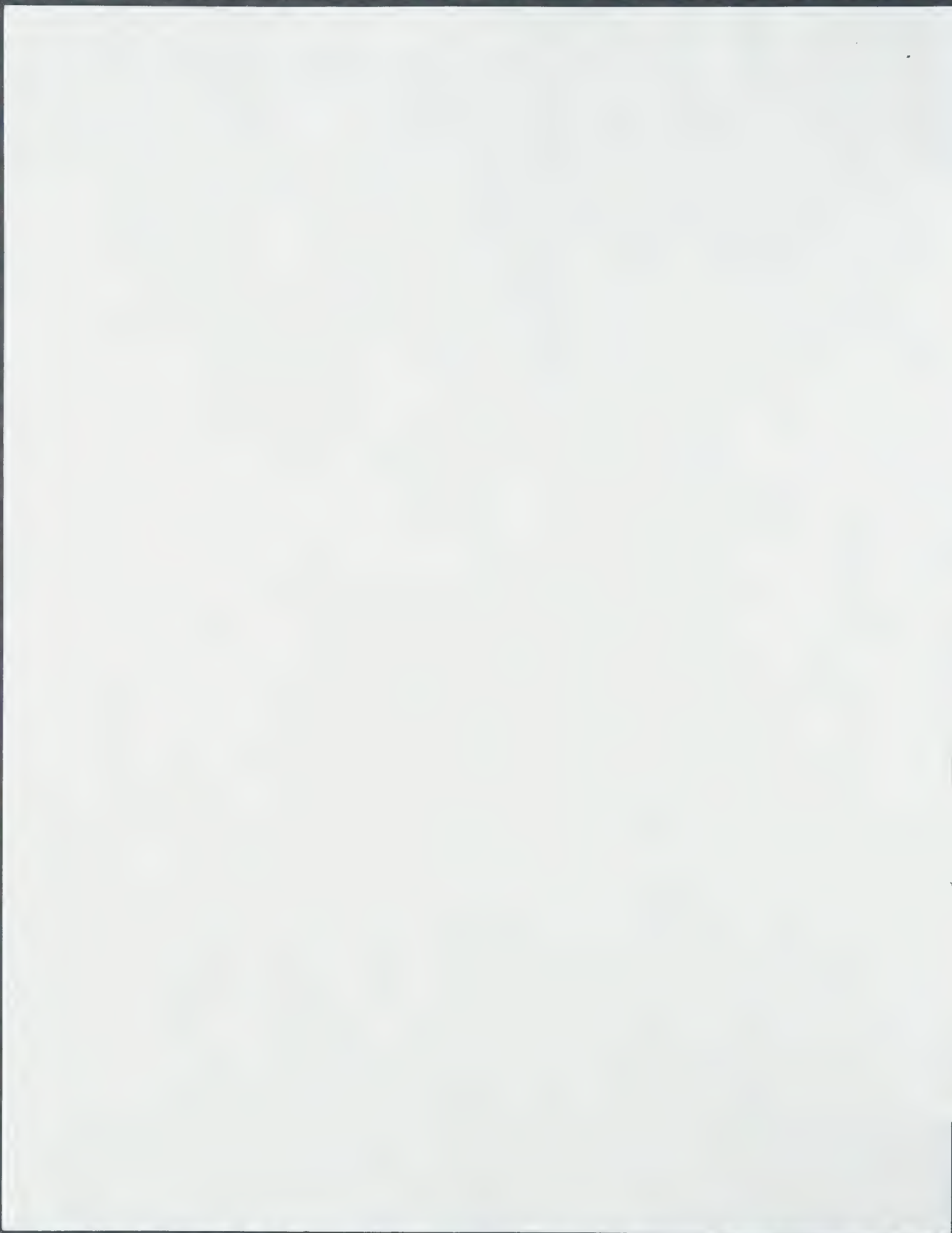


ACETIC ACID

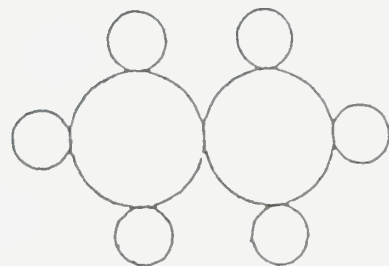
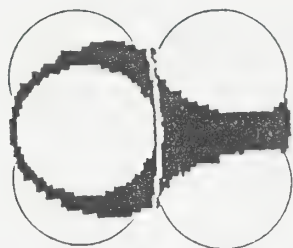
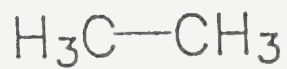
LOSCHMIDT 1861

KEKULÉ 1861

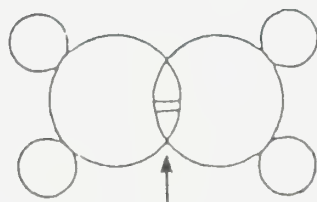
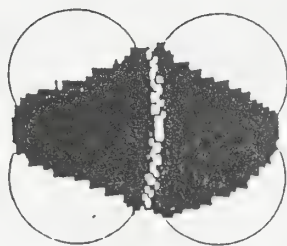
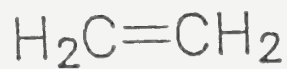
FIG 1



ETHANE

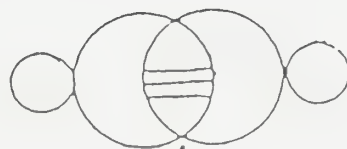
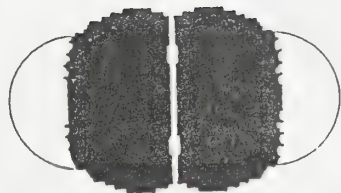


ETHYLENE ETHENE



Double bond

ETHYLENE ETHINE

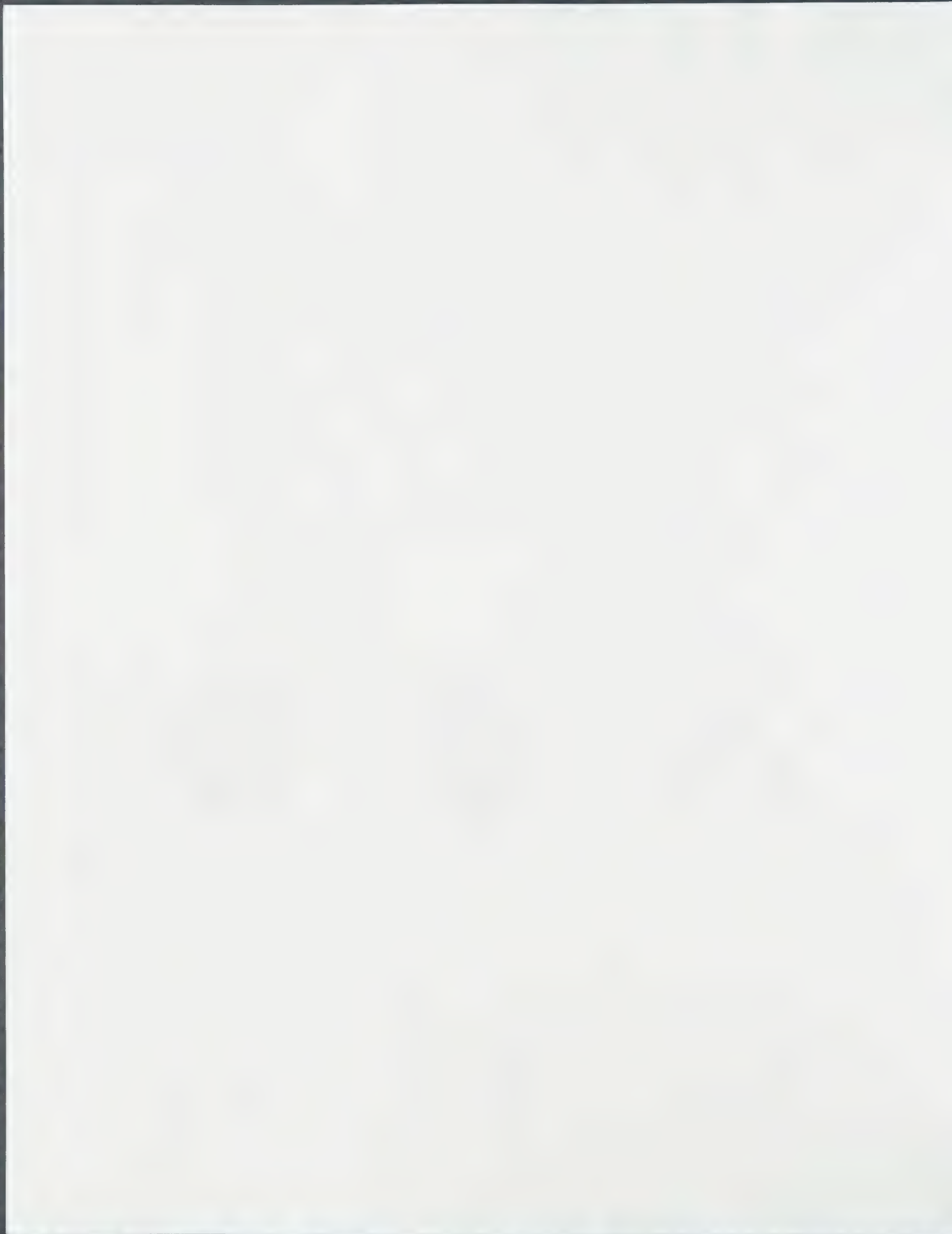


Triple bond

MOLECULAR MODELLING TODAY

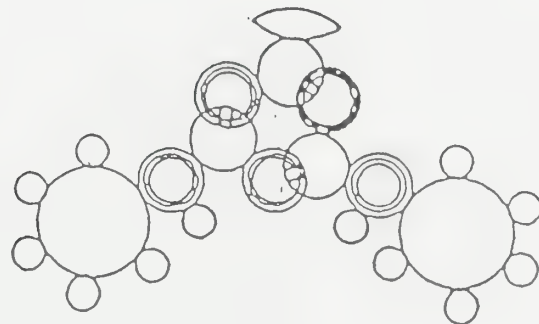
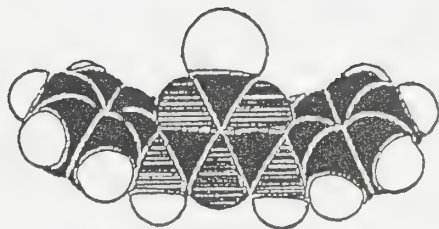
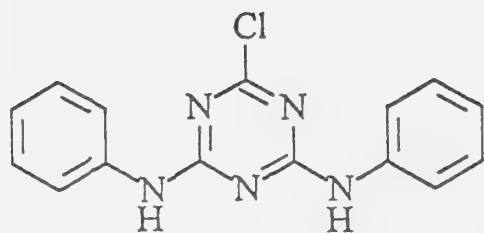
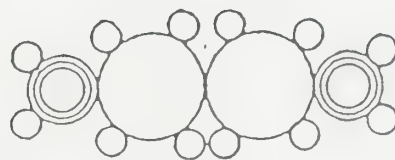
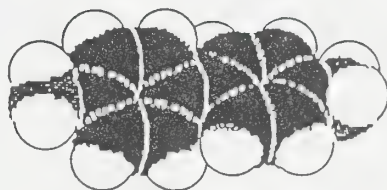
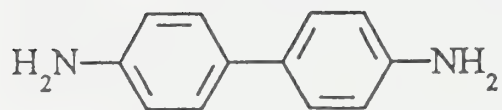
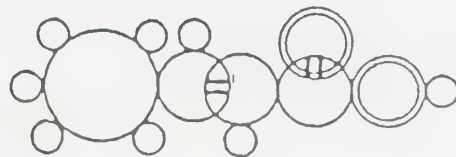
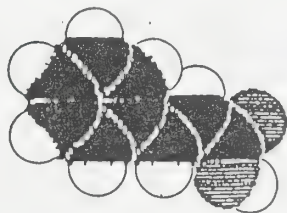
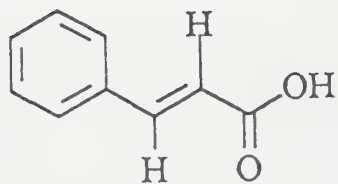
ASTHAWANA FIG. 2

LOSCHMIDT 1861



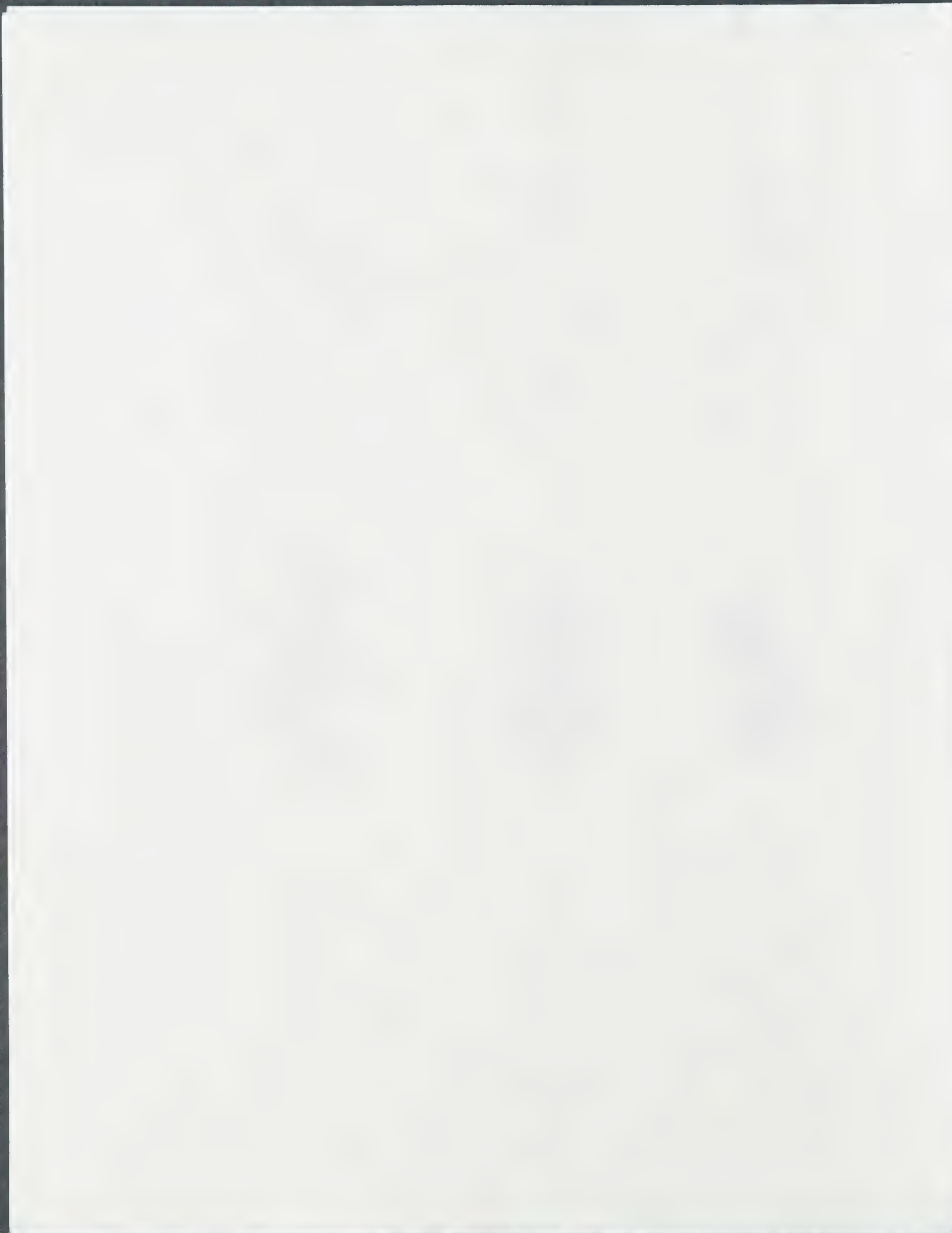
MOLECULAR MODELLING

Loschmidt 1861



AROMATICS

FIG. 4.



# CHEMIKER-ZEITUNG CHEMISCHE APPARATUR

17. SEPTEMBER 1965  
17. JAHRGANG

CHEMIEBORSE / UNFALLSCHUTZ IM CHEMIEBETRIEB

*Zu der GDCb-Hauptversammlung und Kekulé-Feier  
vom 13. bis 18. September 1965*

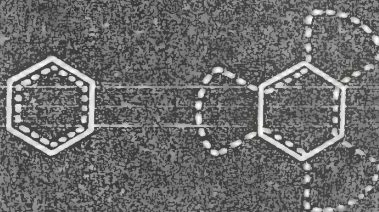
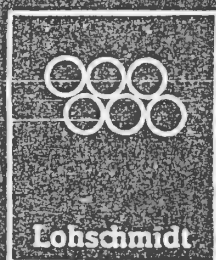
*übermitteln den in Bonn Versammelten die herzlichsten  
Grüße und Wünsche für einen ergebnisreichen Besuch*

REDAKTION UND VERLAG  
Chemiker-Zeitung / Chemische Apparatur

## 100 Jahre Benzoltheorie

### Friedrich August Kekulé von Stradonitz zum Gedächtnis

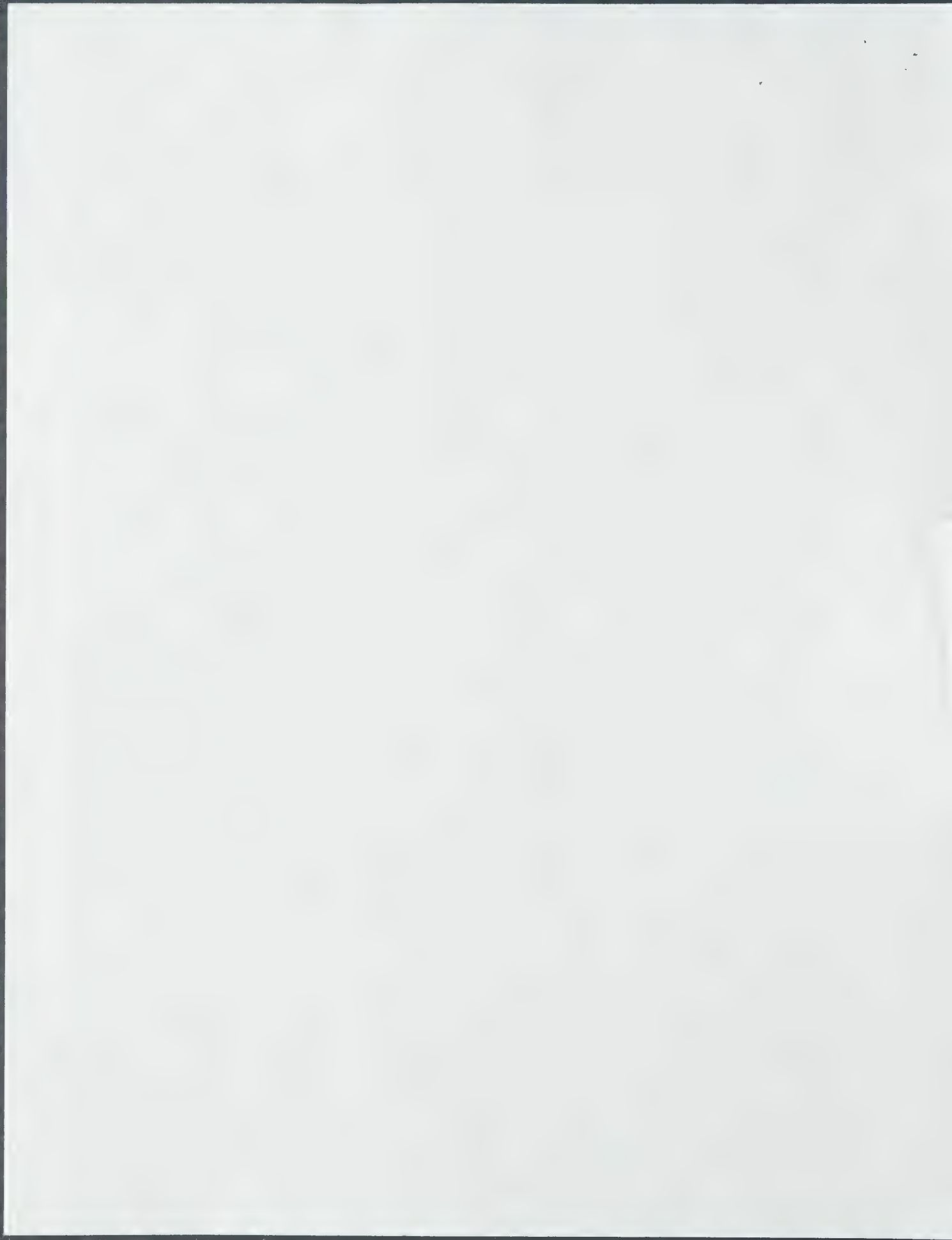
Von Richard Lepsius



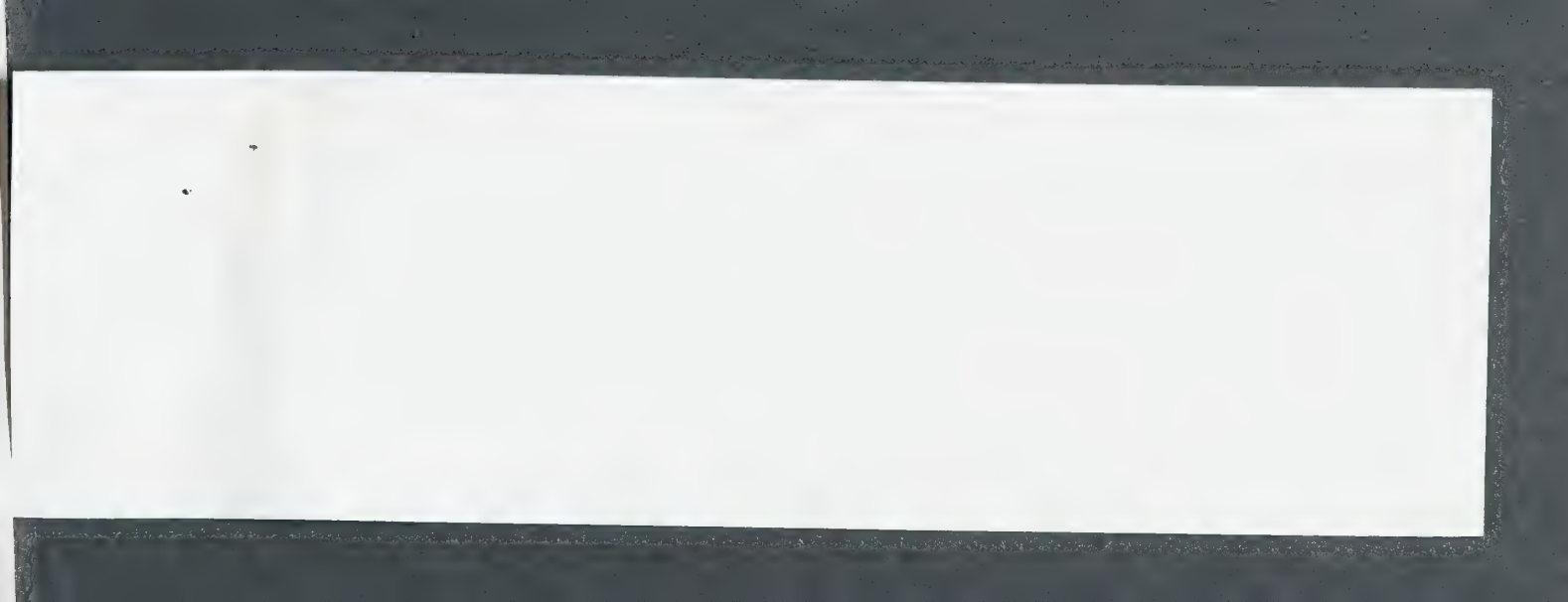
Die noch heute übliche Kekulé'sche Formel

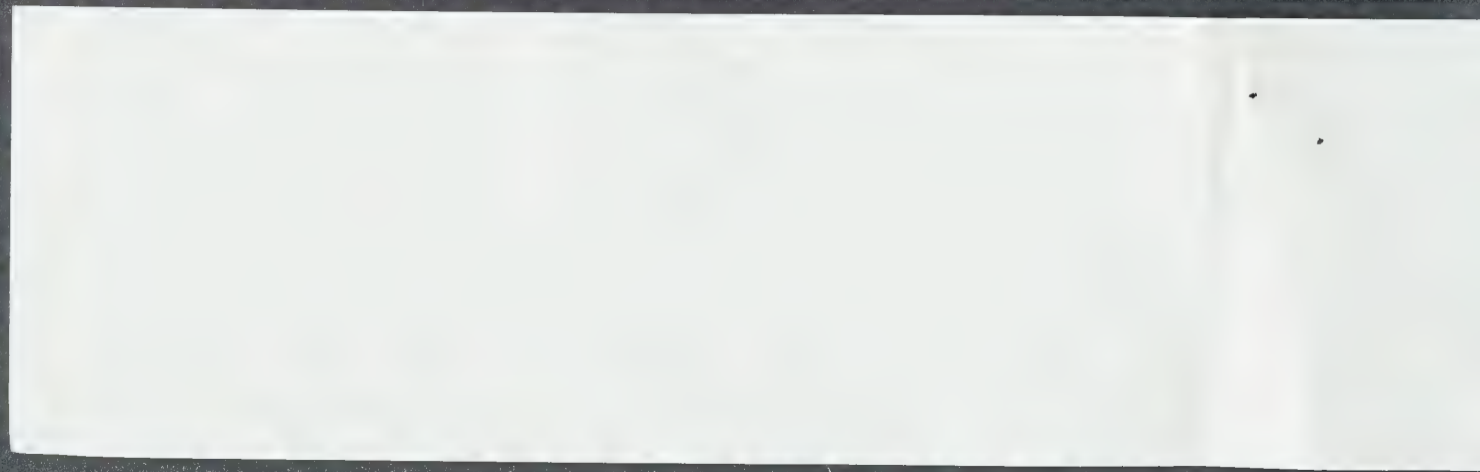


Fig. 45

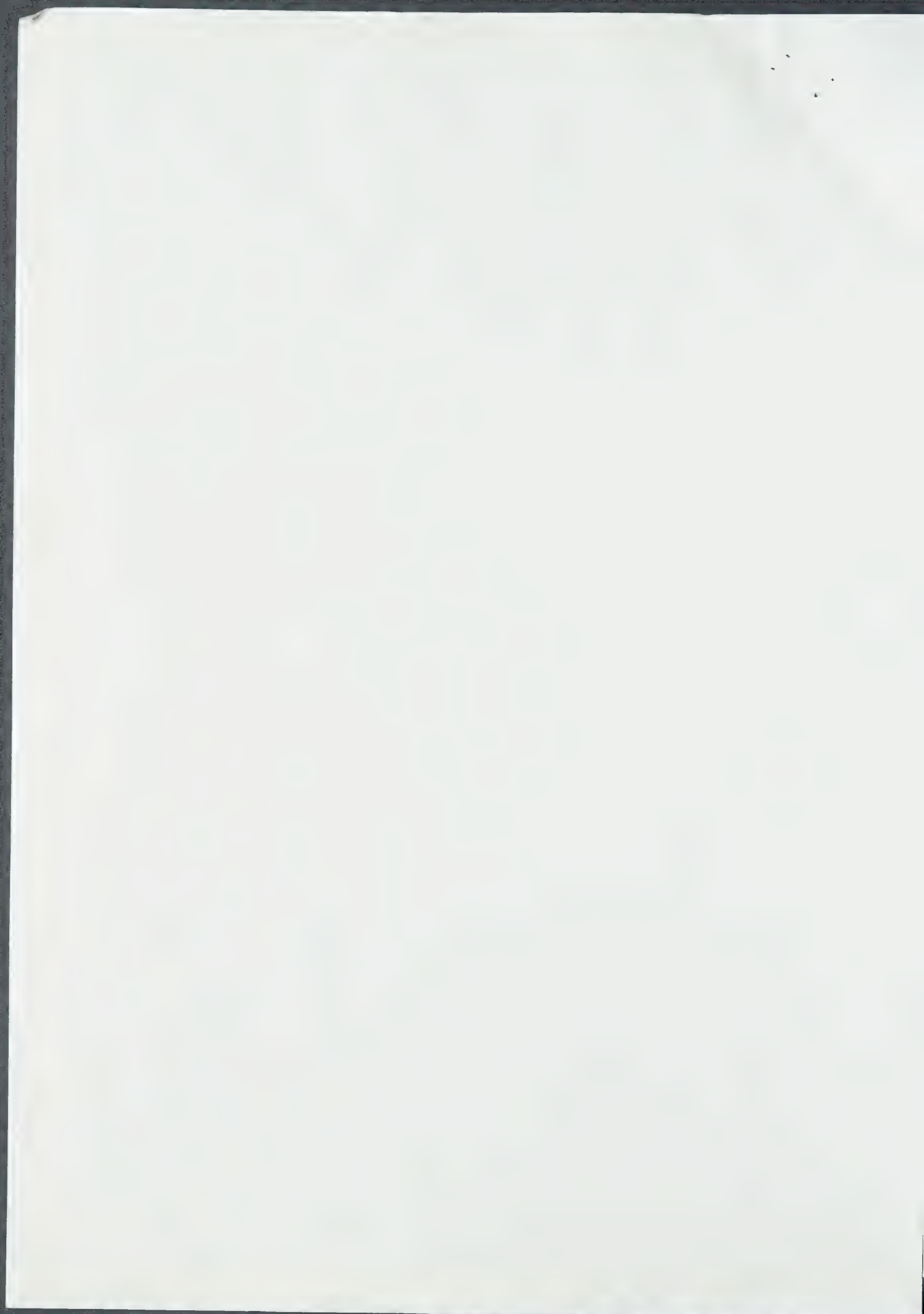








71 494 1134



FAX TRANSMITTAL SHEET

FROM: DR. ALFRED BADER  
2961 North Shepard Ave.  
Milwaukee, Wisconsin 53211

5.8.93

PHONE: (414) 962-5169

FAX: (414) 962-8322

TO:

TO:

Mr. Richard Steenson

FAX:

Chemistry in Britain

44 71 494 1134

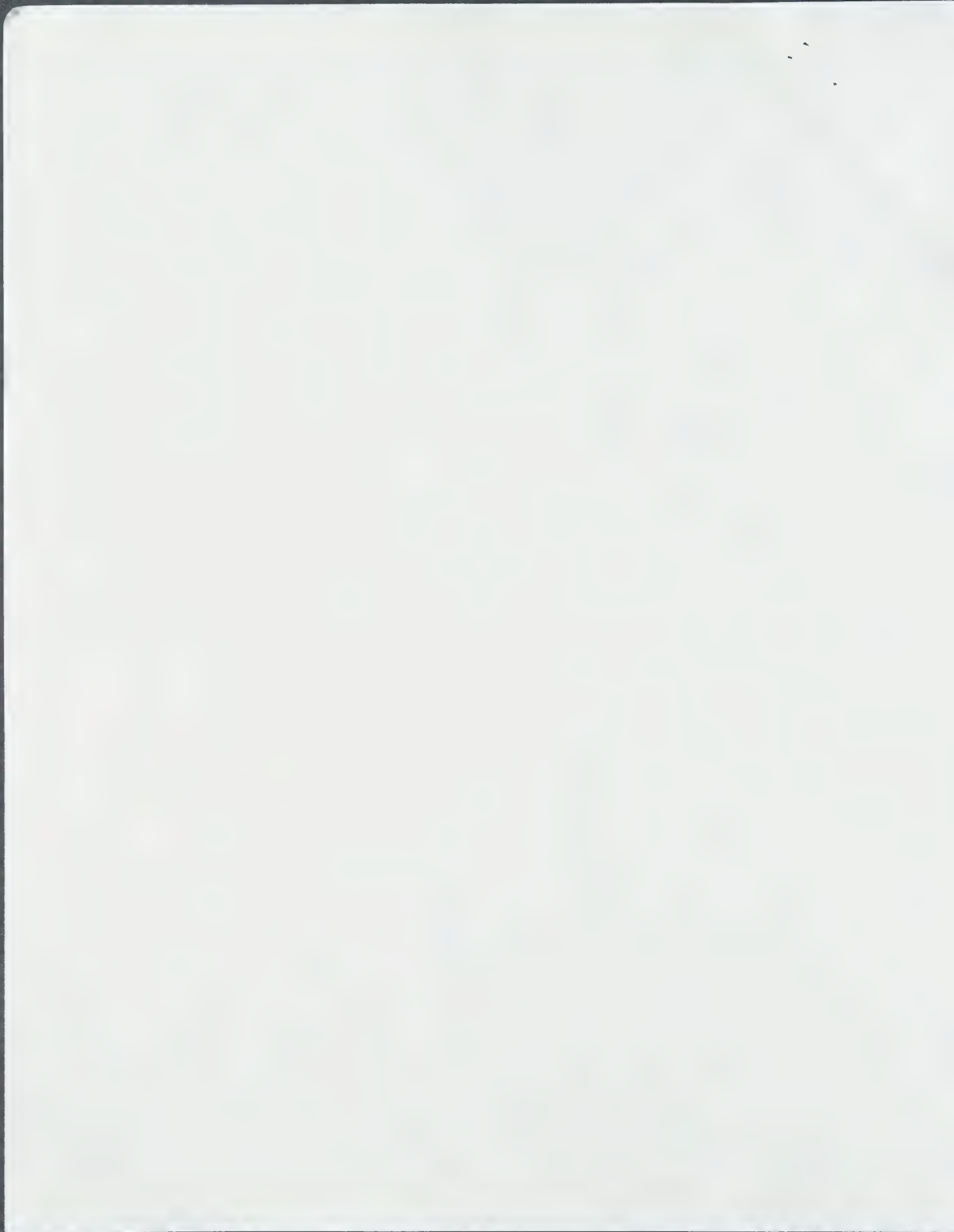
Dear Mr. Steenson

Thank you for your 20 page  
fax which arrived safely.

I will respond with minor  
corrections within two days.

Best wishes,

Alfred Bader



October 12, 1992

Prof. and Mrs. R. A. Raphael  
4 Ivy Field, Barton  
Cambridge CB3 7BJ, England

Dear Prudence and Ralph,

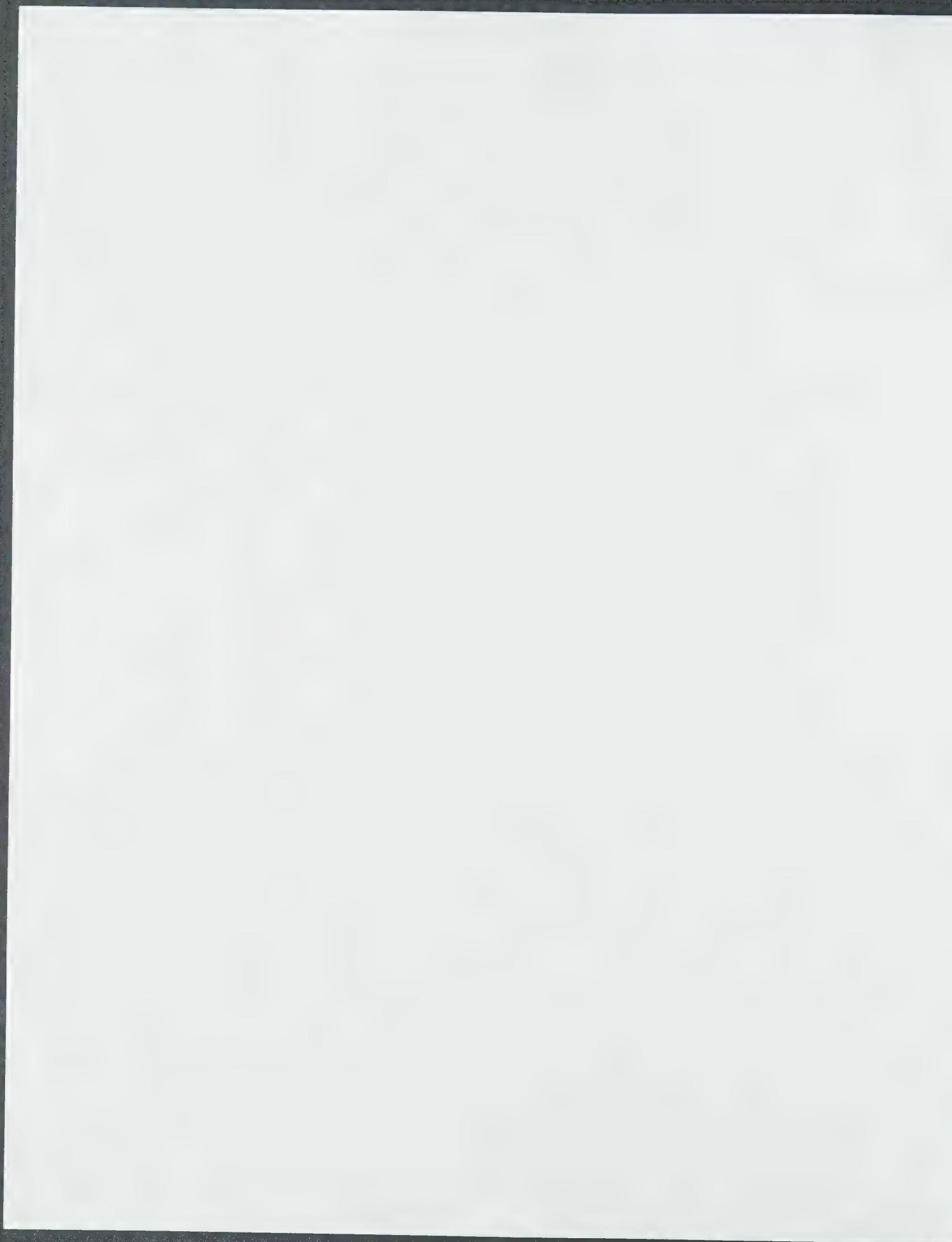
Time flies, and we are again planning our next trip to England, from November 16th to December 22nd, interrupted by a few days in Holland from the 25th to the 30th of November.

Of course, I would very much like to visit the Chemistry Department at Cambridge, particularly to chat with Chris Sporikou about new products and with Andy Holmes about his commercial venture.

Dr. Chris Hewitt at Aldrich Gillingham has said to me that he cannot come to Cambridge with me, but nothing can stop him from just happening to be at Cambridge on the same day that I will be there so that he can meet many of our old friends, particularly Chris Sporikou. Of course, it would give us special pleasure if we could thank Steven Ley for your and his help. I don't think that any letter or article written about the Sigma-Aldrich Affair has had as telling an effect as yours, published in Chemistry in Britain.

Many thanks, Prudence, for your enlightening comments about boys being castrated to keep their voices. What an inhuman practice!

Fond regards from house to house,





Dr. Alfred Bader  
2961 North Shepard Avenue  
Milwaukee, Wisconsin 53211

April 30, 1993

Prof. and Mrs. Ralph A. Raphael  
4 Ivy Field  
Barton  
Cambridge CB3 7BJ  
England

Dear Prudence and Ralph,

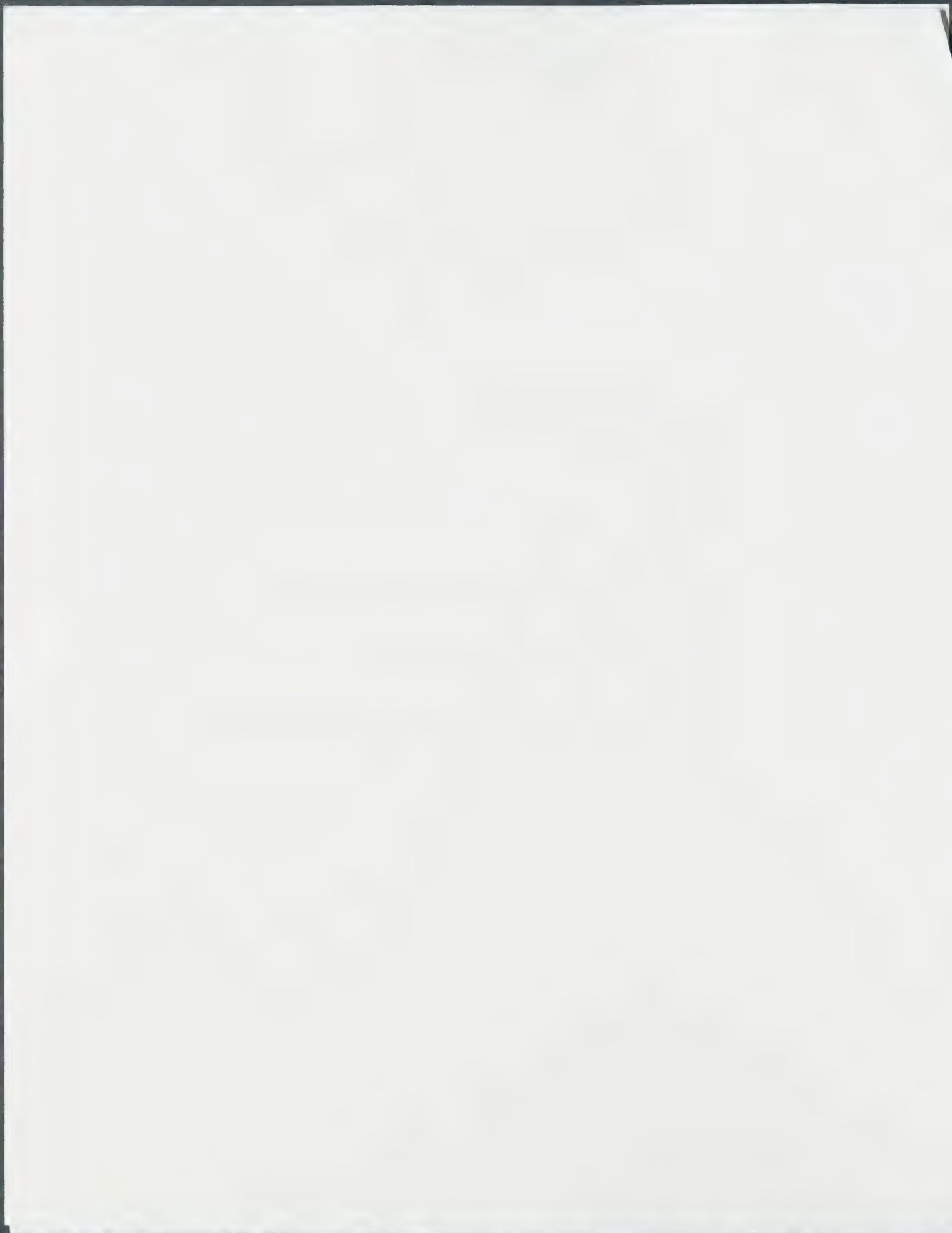
We very much look forward to being with you, Steve and Roger, and if possible also Andy Holmes and Prof. Battersby, on Wednesday, July 7th.

Isabel plans to be in Norwich on July 5th and 6th, and I will be in London from the 4th.

May we meet in Cambridge late Tuesday afternoon, July 6th, invite you to our Chinese dinner and then accept your kind hospitality in your home.

Fond regards.

As always,



Dr. Alfred R. Bader  
2961 North Shepard Avenue  
Milwaukee, Wisconsin 53211

May 11, 1993

Professor Steven V. Ley  
Department of Chemistry  
Cambridge University  
Lensfield Road  
Cambridge CB2 1EW, England

Dear Steven:

Isabel and I much look forward to visiting you on July 7th.

We very much want to help students, but if at all possible really bright youngsters who would not ordinarily be able to attend a university. That is the key thought behind the pilot scheme at University College, and if it works, we would like to expand the program to other universities.

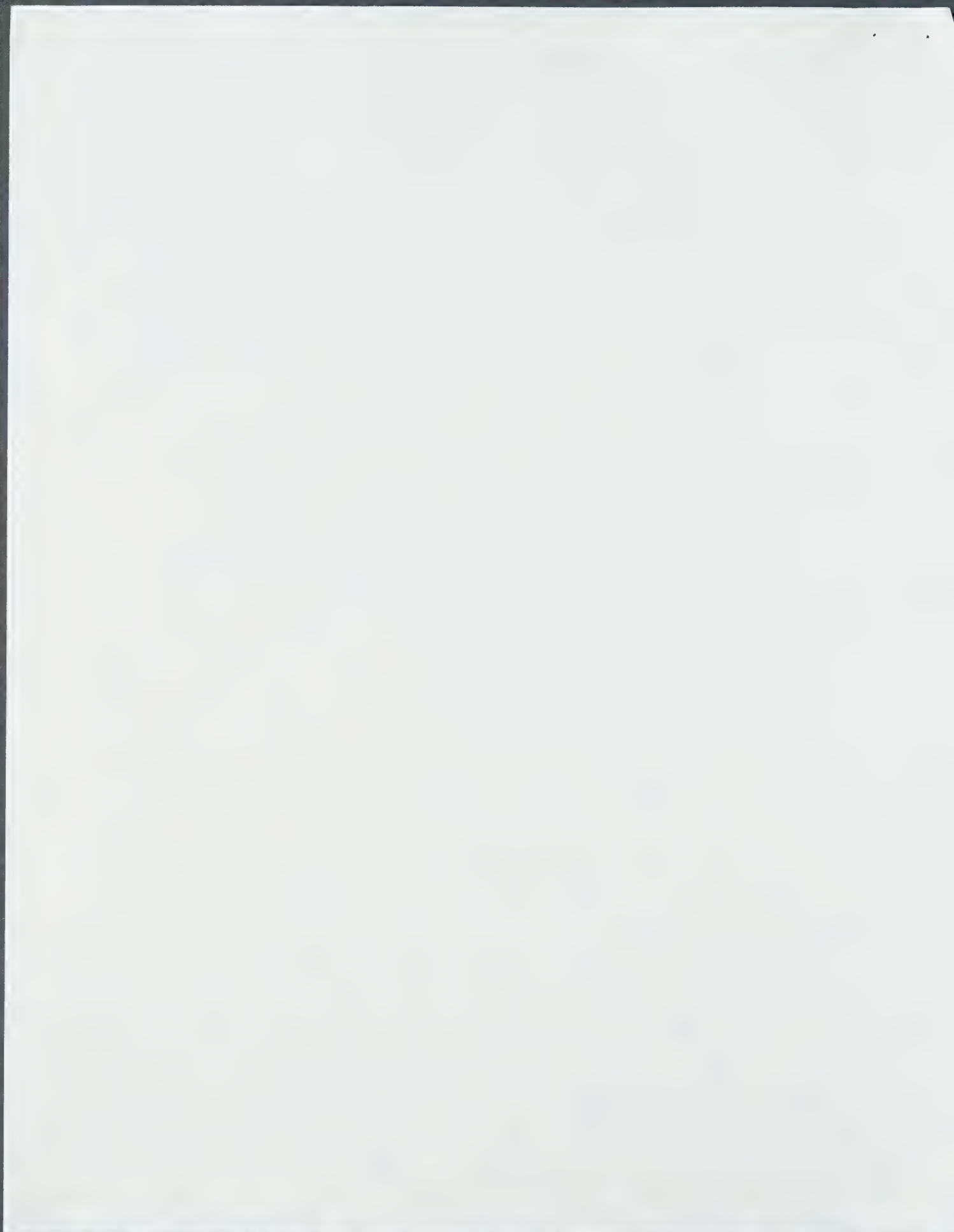
I am sure that a center for molecular modelling and computer graphics is a splendid idea for Cambridge as well as every other university, and I would like to discuss with you whether this should be one of our efforts. Knowing you, I am certain that you will understand.

Have you heard anything about the scheme at University College? When is Willie going to University College?

We are leaving Milwaukee on May 14th, will spend the last week of May in Scotland, and then be off to the Continent. We will return to Bexhill on June 22nd and will then be in Bexhill, London and Cambridge until July 26th.

Best wishes.

As always,





University Chemical Laboratory  
Lensfield Road  
Cambridge CB2 1EW

Steven V. Ley FRS  
BP 1702 Professor of Organic Chemistry

Telephone: (0223) 336398  
Fax: (0223) 336442

SVL/PRI

3 May 1993

Dr. A. Bader  
2961 North Shepard Avenue  
Milwaukee  
Wisconsin 53211  
USA

Dear Alfred,

I understand from Ralph you will visit us on 7 July. I'm looking forward to the occasion.

On another matter you indicated to me how you might be able to help us at Cambridge. I have given considerable thought to this and would like to suggest the following proposal.

The undergraduate and post graduate students at Cambridge are very poorly trained in the use of molecular modelling methods. I consider this to be a vital and important part of a student's education in chemistry to provide them with the proper basis of understanding for industry and research. I would like to set up a special centre to cater for this present deficiency. I am attracted by the idea of calling this "The Josef Löschmidt Centre for Molecular Modelling" at Cambridge.

What I have in mind is to set up a centre which will underpin teaching and research in molecular modelling and computer graphics. This would necessarily be fairly ambitious as we would need to appoint a new member of the lecturing staff, we need a system manager and appropriate space and equipment to make this a very special facility. We would also like to be able to offer studentships and special training courses and lectures in this topic to a wide range of people. My colleagues are very excited by these possibilities and we have already begun some work on the idea. We believe we can find some money to provide the space for this initiative. We also have an agreement from Silicon Graphics to provide the computers and other hardware at a very good discount as they wish to establish themselves in the teaching of molecular graphics at Universities and not just concern themselves with industry. We can also see a way of using our research grant applications to provide for some equipment and even pay for a system manager. What is more difficult for us is the rest of the infrastructure, we need to find an endowment to support the necessary lectureship and provide funds for studentships and training courses etc. I know many of my colleagues are keen to see this proposal fly and would all contribute from their small slush funds.



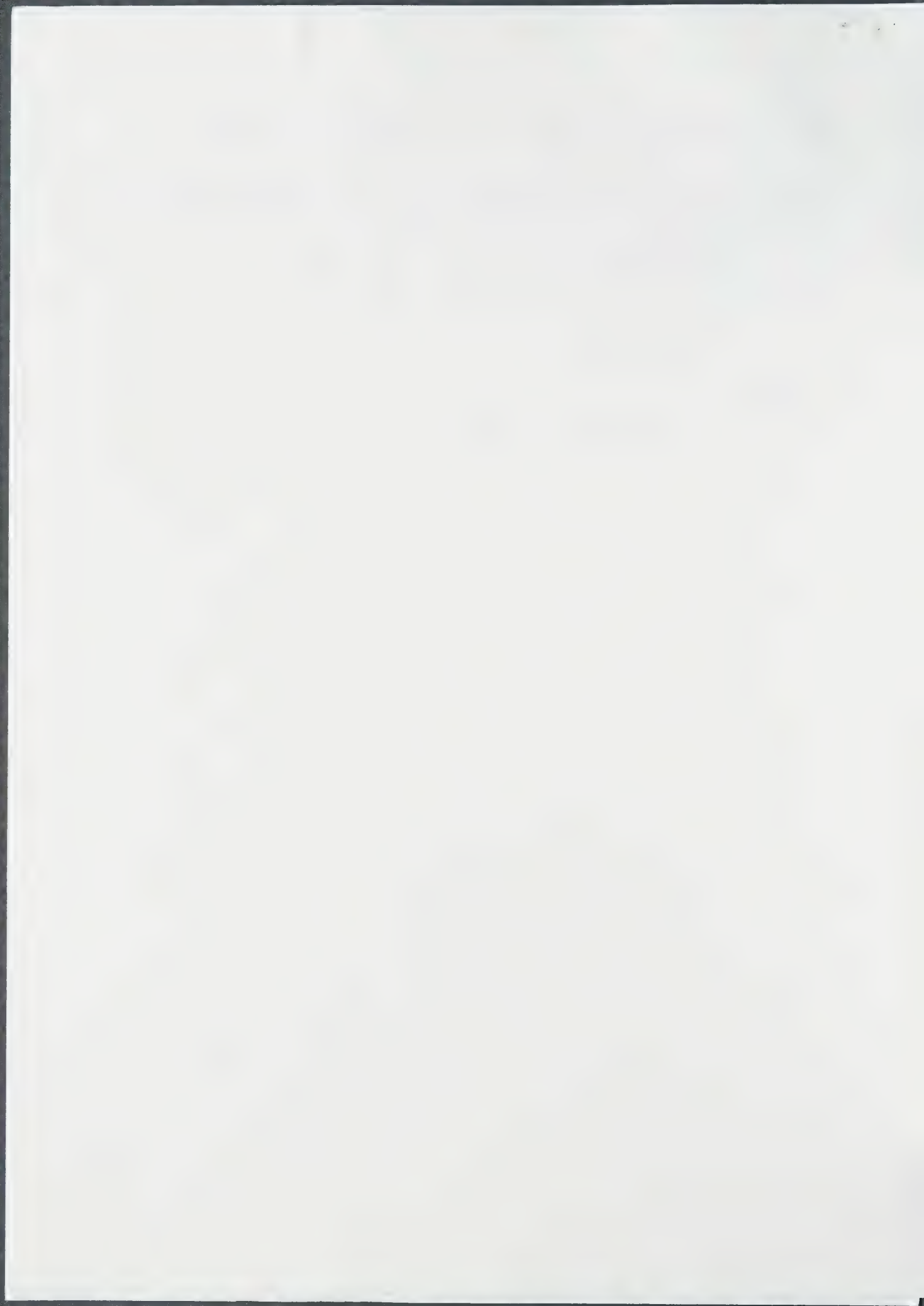
What we need now is more substantial funding to make this really work well to provide something special for our students. Can you help?

If you need more information please let me know. I hope you can give this idea some thought and look forward to hearing from you.

Warmest regards as usual.

Yours sincerely,

A handwritten signature in blue ink, appearing to read "Howe". The letter "H" is tall and thin, with a vertical line extending downwards. The "o" is a simple circle, and the "w" is written with two connected loops.





4 Ivy Field  
Barton  
Cambridge  
CB3 7BJ  
Telephone: 0223-263012

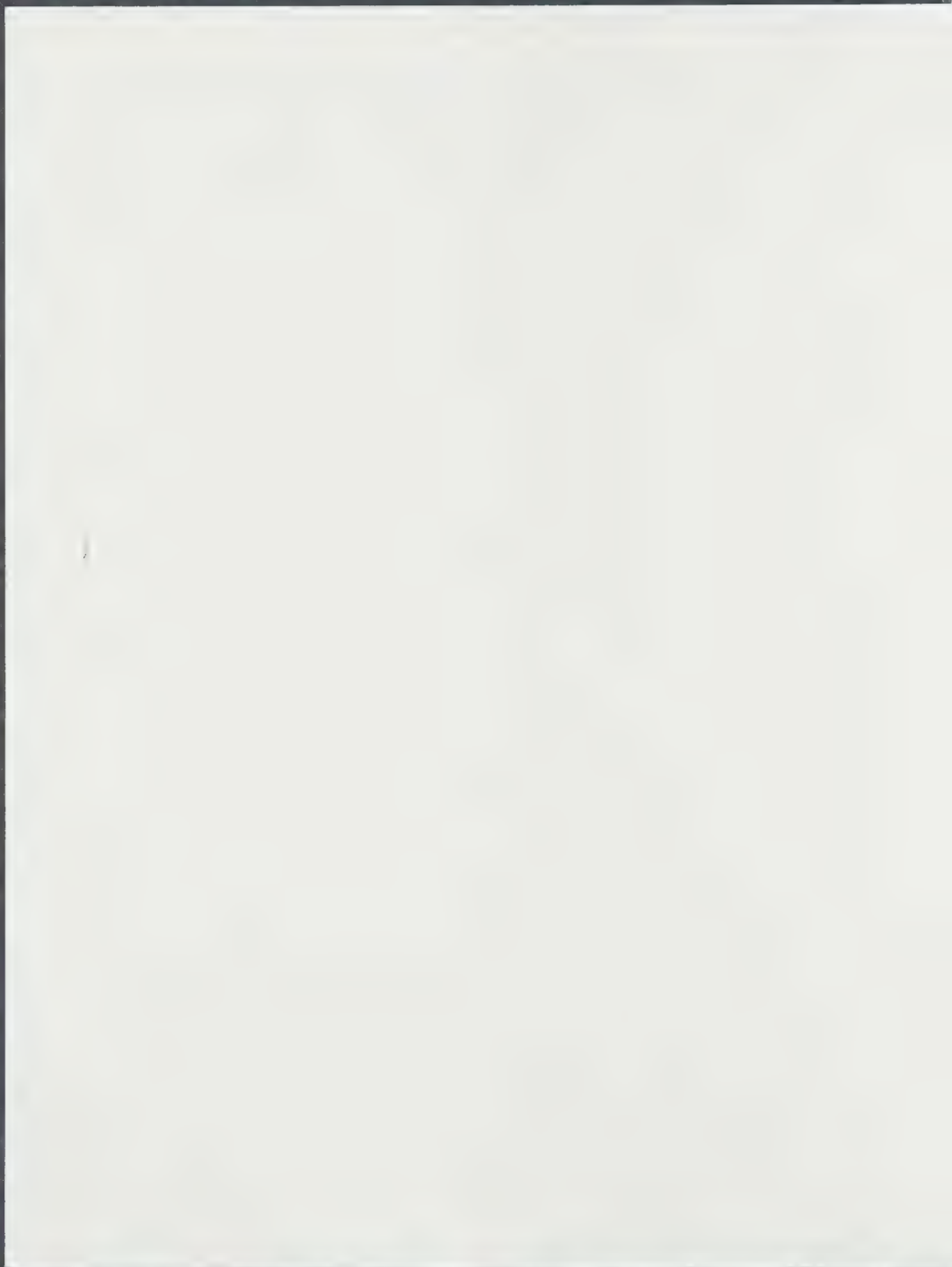
15 April 1993

Dear Alfred,

I've checked with Steve and Roger and Wednesday July 7th will be very convenient for all of us. Let me know if you and Isabel will need accommodation at the Raphael hotel.

Best regards to you both,

A handwritten signature in cursive script, appearing to read 'Raphael', with a long, sweeping horizontal stroke underneath.



7/25  
BER.

4 Ivy Field  
Barton  
Cambridge  
CB3 7BJ  
Telephone: 0223-263012

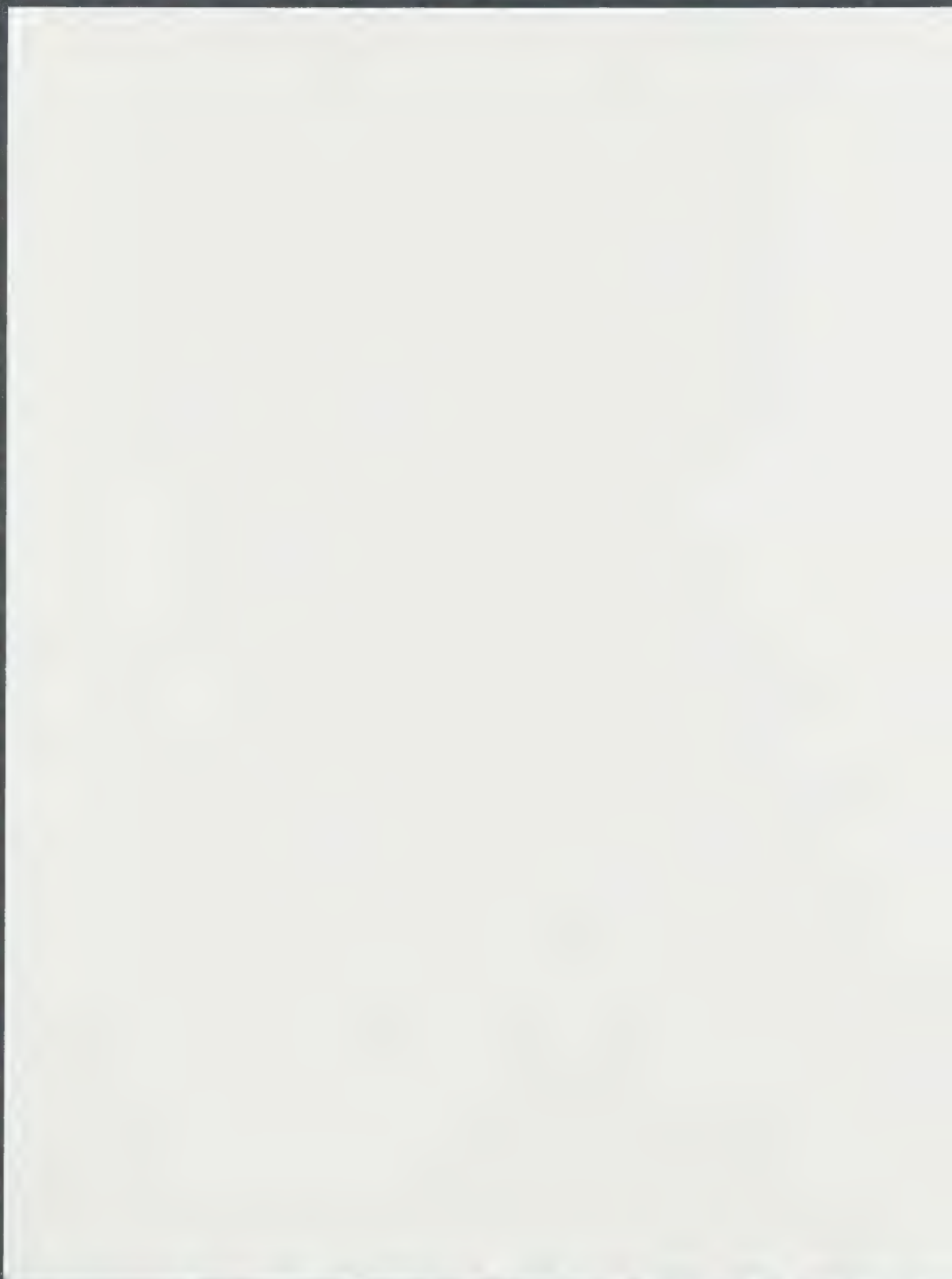
16 May 1993

Dear Alfred & Isabel,

Many thanks for your  
confirming letter. Let us  
know your train time  
arrival at Cambridge on  
6 July and we will meet  
you at the station. I trust  
your Harvard Symposium  
went off smoothly.

Best regards

Prudence and Ralph



Dr. Alfred Bader  
2961 North Shepard Avenue  
Milwaukee, Wisconsin 53211

May 6, 1994

Prof. and Mrs. Ralph A. Raphael  
4 Ivy Field  
Barton, Cambridge CB3 7BJ  
England

Dear Prudence and Ralph,

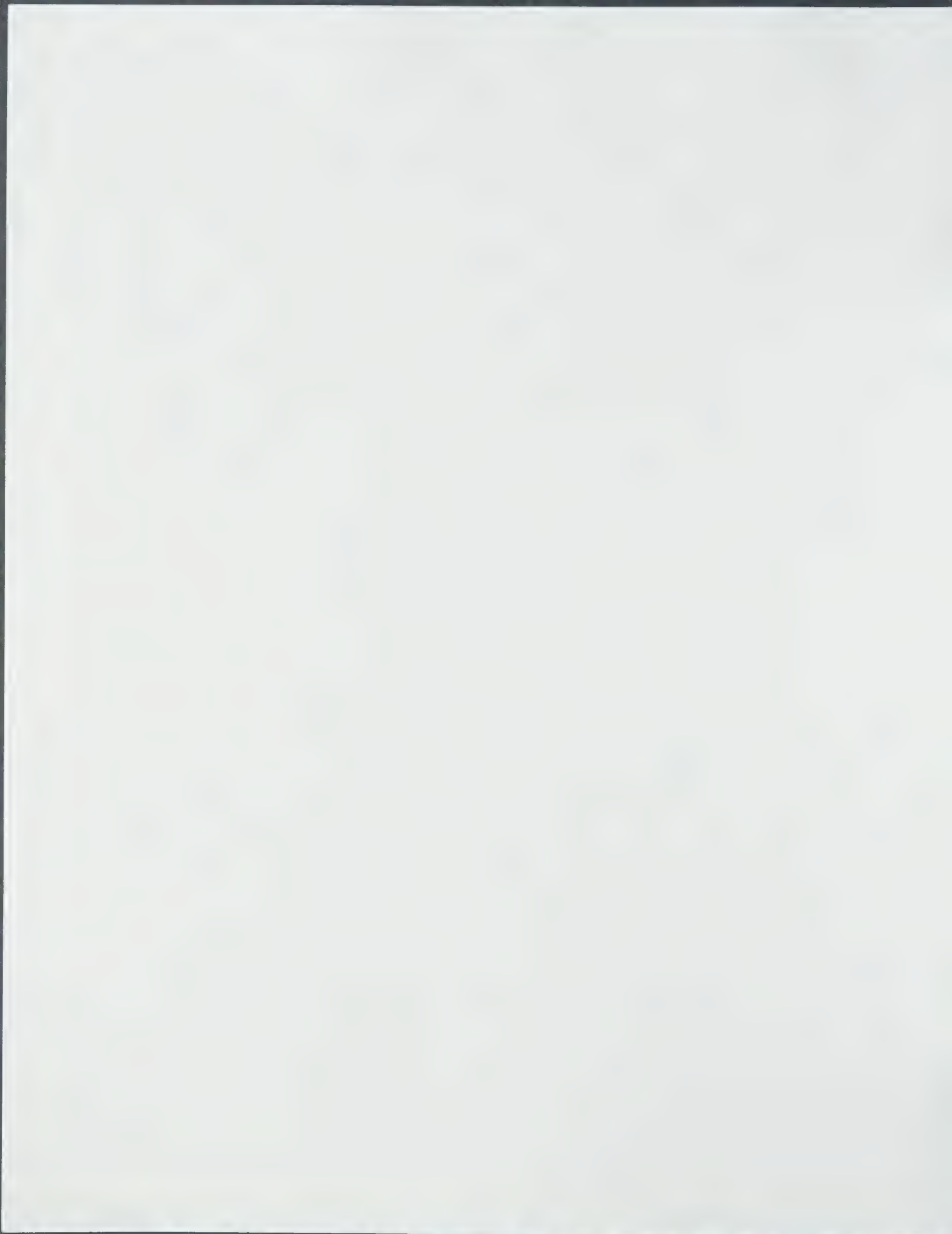
I sure wish that we could be at Cambridge when one of our best people from Gillingham, Dr. Chris Hewitt, comes to your department to pack the research samples of Professor Alan Battersby. That, I believe, will be next week, but we have no plans to be in Britain until summer, and then again in autumn, and hope to have a chance to visit with you sometime this year.

It has occurred to me that Professor Perutz may soon be running out of his antacid pills, but I have mislaid his address and cannot inquire. Could you please ask him, and if he is low ask him to send us just the cover of one of the boxes. When checking recently in Milwaukee drug stores, we could not find any and may have to write to the head office to obtain more.

Do you have any plans to travel to the U.S.? You must know how welcome you will be at our house.

Fond regards.

As always,



42, Sedley Taylor Rd  
Cambridge CB22 7PN  
Tel 0223-246041

19.6.94

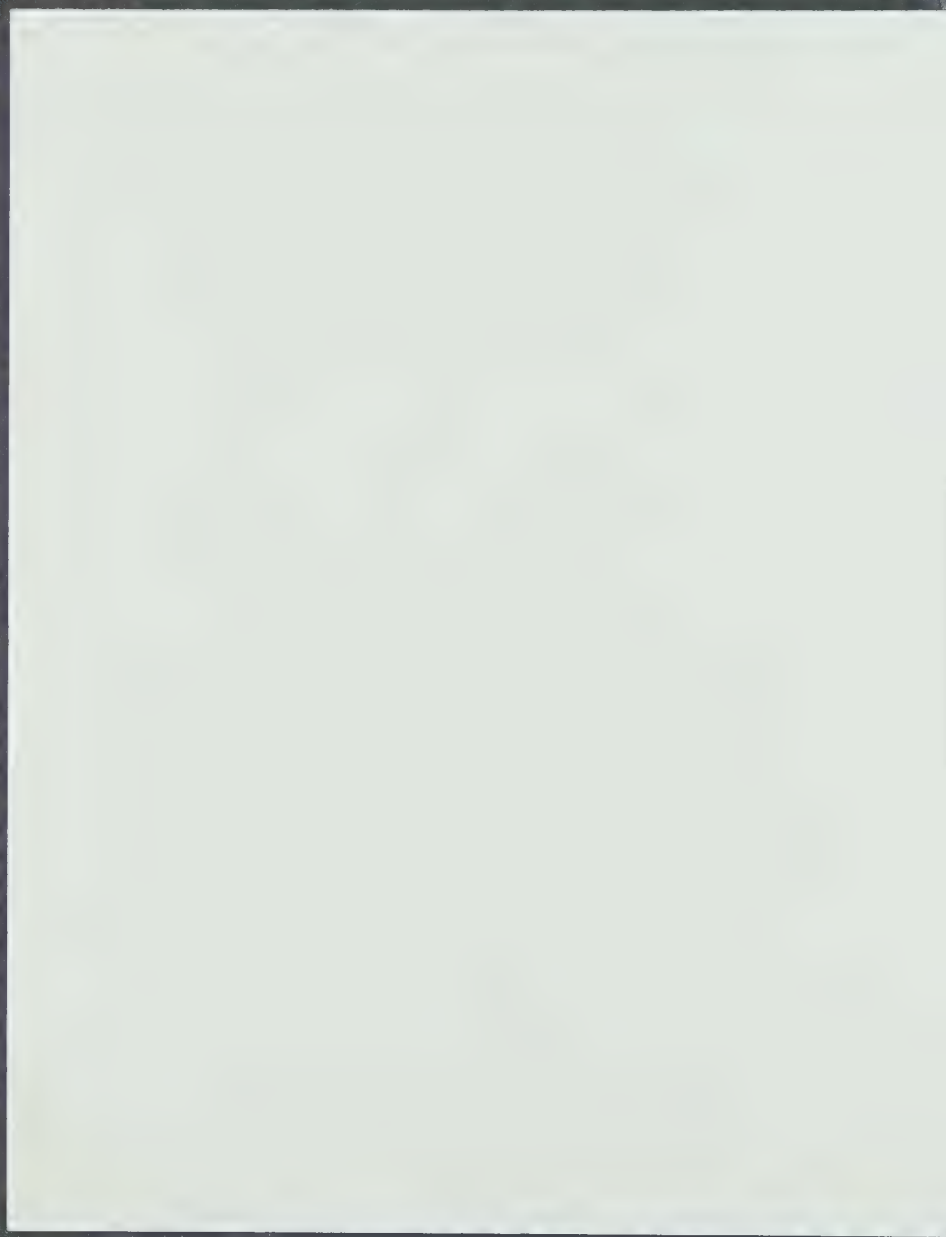
Dear Dr Bader,

Ralph Raphael tells me  
that you have brought me some Alphasider.  
How very kind of you. I shall be very pleased  
to receive it. Thanks you very much indeed.

Would you like to call me  
to talk about the Lab Annual Meeting  
next year?

Yours sincerely,

M F Perutz





Dr. Alfred Bader  
2961 North Shepard Avenue  
Milwaukee, Wisconsin 53211

November 8, 1993

Prof. and Mrs. Ralph Raphael  
4 Ivy Field  
Barton, Cambridge CB3 7BJ  
England

Dear Prudence and Ralph,

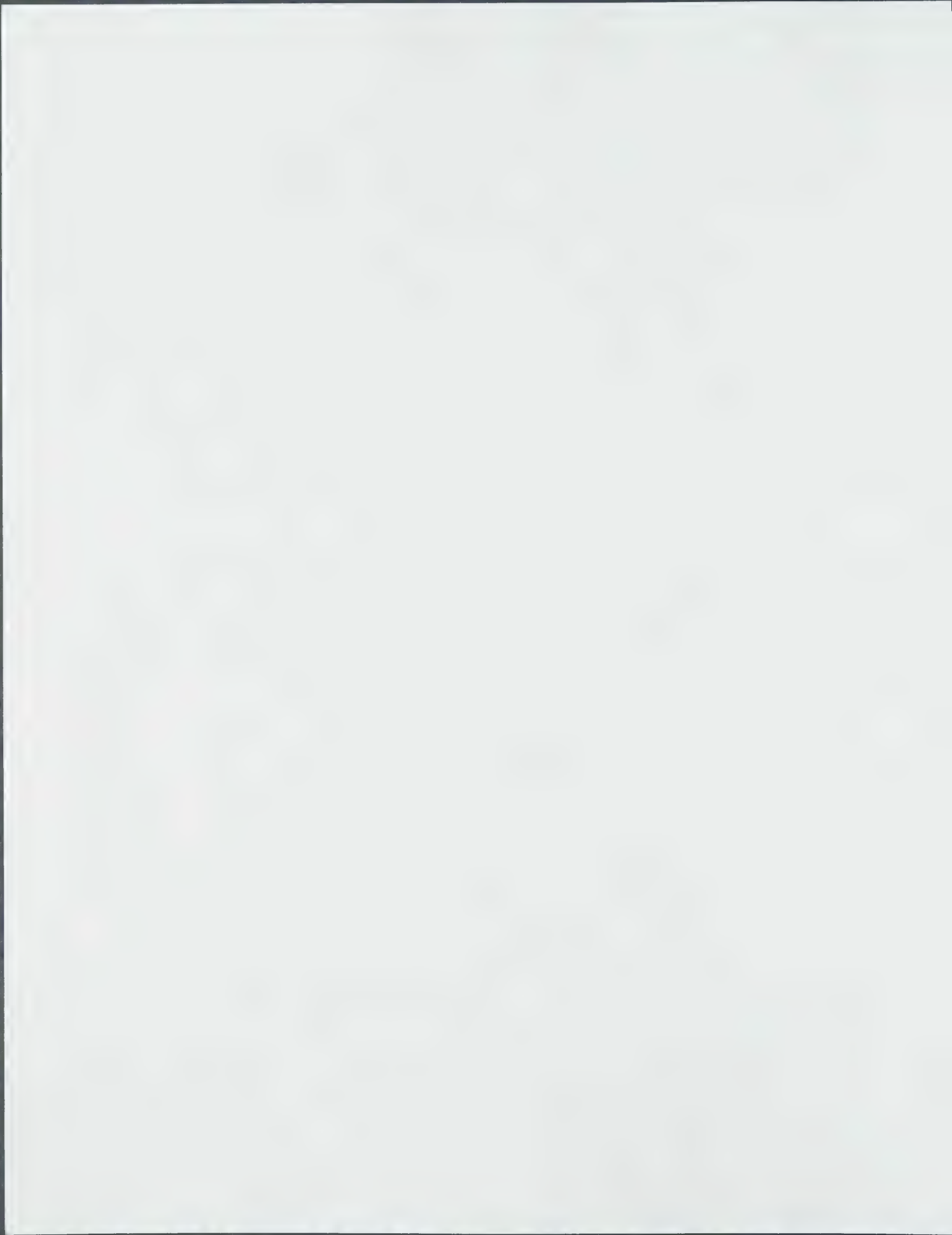
You will be able to imagine why I am sending you the enclosed article about a copy of a "Strad."

Recently, I acquired a beautifully painted study of a skull. It is 17th century, oil on paper, probably Dutch or perhaps German. Of course you will ask--who wants a skull? I do, particularly if I could figure out what the music is which is written on the back of the paper. Keep in mind that the music is handwritten, not printed, and so might pinpoint both the country of origin and the date.

Isabel and I fly to Gatwick on November 11th to stay at our home in Bexhill until December 26th. It would be great if we could at least talk to you by phone.

Fond regards from house to house,

Enclosures





Dr. Alfred Bader  
924 East Juneau, Suite 622  
Milwaukee, Wisconsin 53202  
Phone: 414/277-0730  
Fax: 414/277-0709

*A Chemist Helping Chemists*

January 24, 1996

Prof. and Mrs. Ralph A. Raphael  
4 Ivy Field  
Barton, Cambridge CB3 7BJ  
England

Dear Prudence and Ralph:

I am sure that you know how very much Isabel and I enjoyed our two days with you.

I have found *The Chemical Intelligencer* is very innovative magazine, and the enclosed article on violins will surely interest your friend.

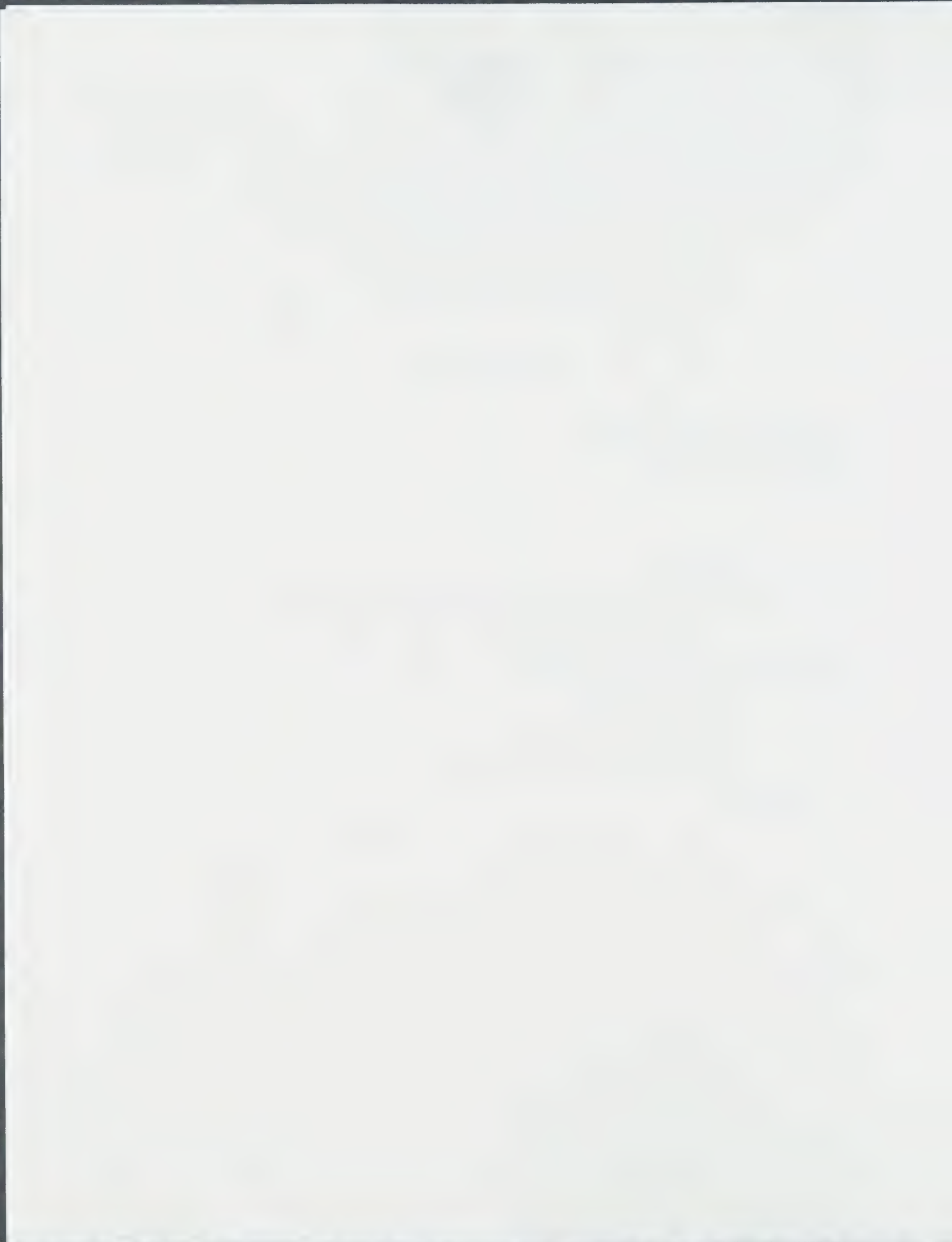
Has Menuhin ever had a Julio violin?

With fond regards from house to house, I remain,

Yours sincerely,

AB/cw

Enclosure



Dr. Alfred Bader  
2961 North Shepard Avenue  
Milwaukee, Wisconsin 53211

September 15, 1992

Professor M. F. Perutz  
MRC Laboratory of Molecular Biology  
Hills Road  
Cambridge CB2 2QH  
England

Dear Professor Perutz:

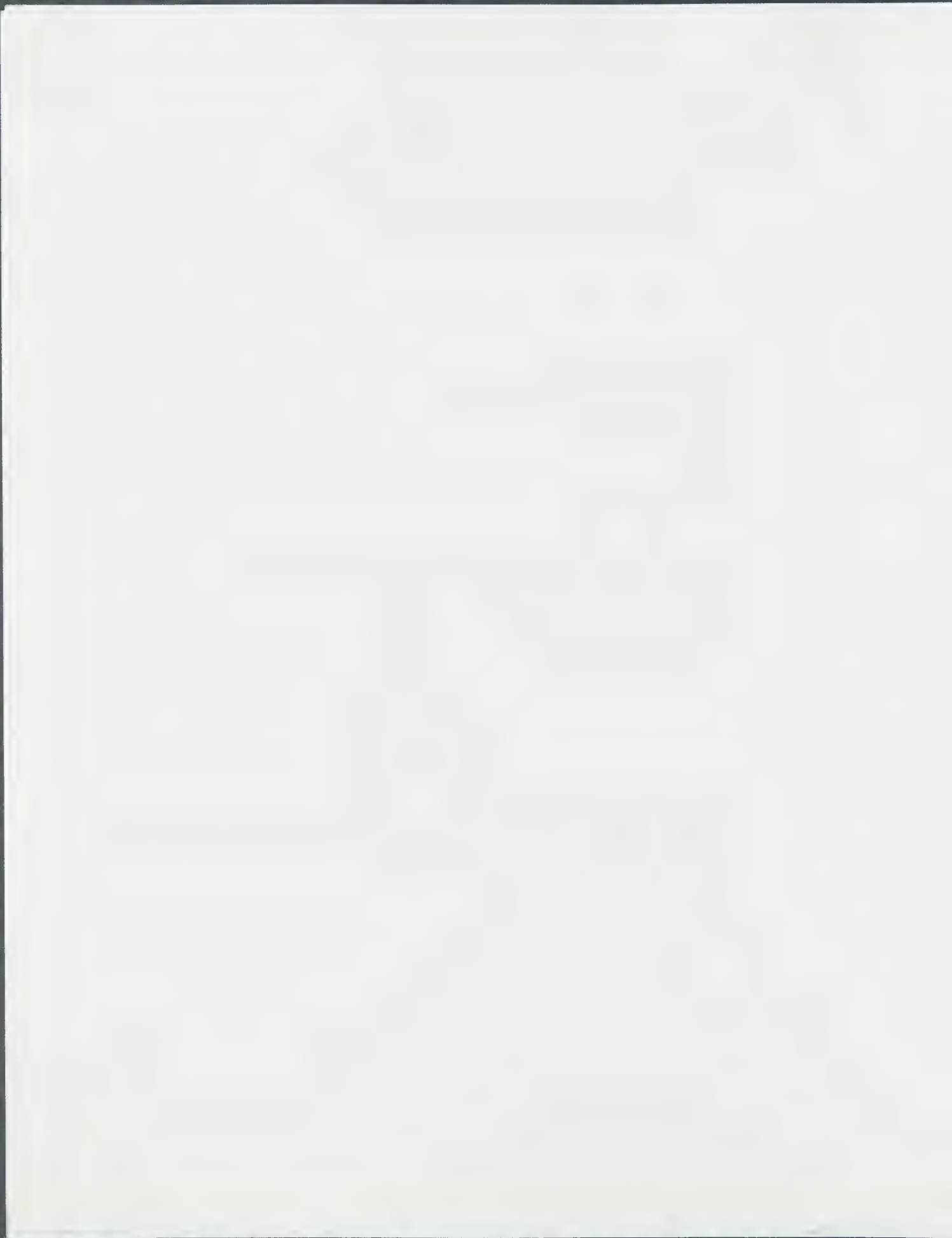
I am so happy to know from your letter of September 1 that the Alka-Seltzer Gold, of which we bought one package to mail to you, might be just what you want. Did that package actually arrive and is it satisfactory?

If so, we could certainly buy ten more boxes--or more if you wish--and bring them to England, where we will arrive on November 16. Our English address is:

52 Wickham Avenue  
Bexhill-on-Sea  
East Sussex TN39 3ER  
Telephone 0424 222 223

If urgent we could mail the packages on November 16 or deliver them to you personally during our visit to Cambridge, probably early in December. Please do not be bashful, and if you need more than ten boxes we will gladly acquire whatever you need.

Best regards from hosue to house,



# MRC

Medical Research Council

## MRC Laboratory of Molecular Biology

Hills Road  
Cambridge, CB2 2QH  
England

Tel (0223) 248011  
Fax (0223) 213556  
Telex 81532

**Dr. M. F. Perutz**  
telephone (0223) 402200 (direct)  
(0223) 402216 (secretary)

1.9.92

Dear Dr. Linder,

Thank you so much for your interest  
with video laboratories. I am delighted to hear that  
your machines to be manufactured. The pharmaceuticals  
my friend in Richmond, VA, that they have caused  
it to be done. Stoppages often do this. Instead of  
realizing that they have failed to do something, or could  
not be bothered to do so, or think that it not enough worth  
for it, they tell you that it is not being done.

Thank you also for offering to bring me some  
Five boxes of 20 would be wonderful if it is not too much  
later. Please let me know your English address - telephone  
numbers, I am not sure that I still have it, I hope that

you will soon see that is right.

With best wishes to you & Mrs. Jones

Yours

Allen Parsons

Remember you may count on me in any way



Dr. Alfred R. Bader  
2961 North Shepard Avenue  
Milwaukee, Wisconsin 53211

July 28, 1993

Professor R. D. Chambers  
Department of Chemistry  
University of Durham  
South Road  
Durham DH1 3LE  
Great Britain

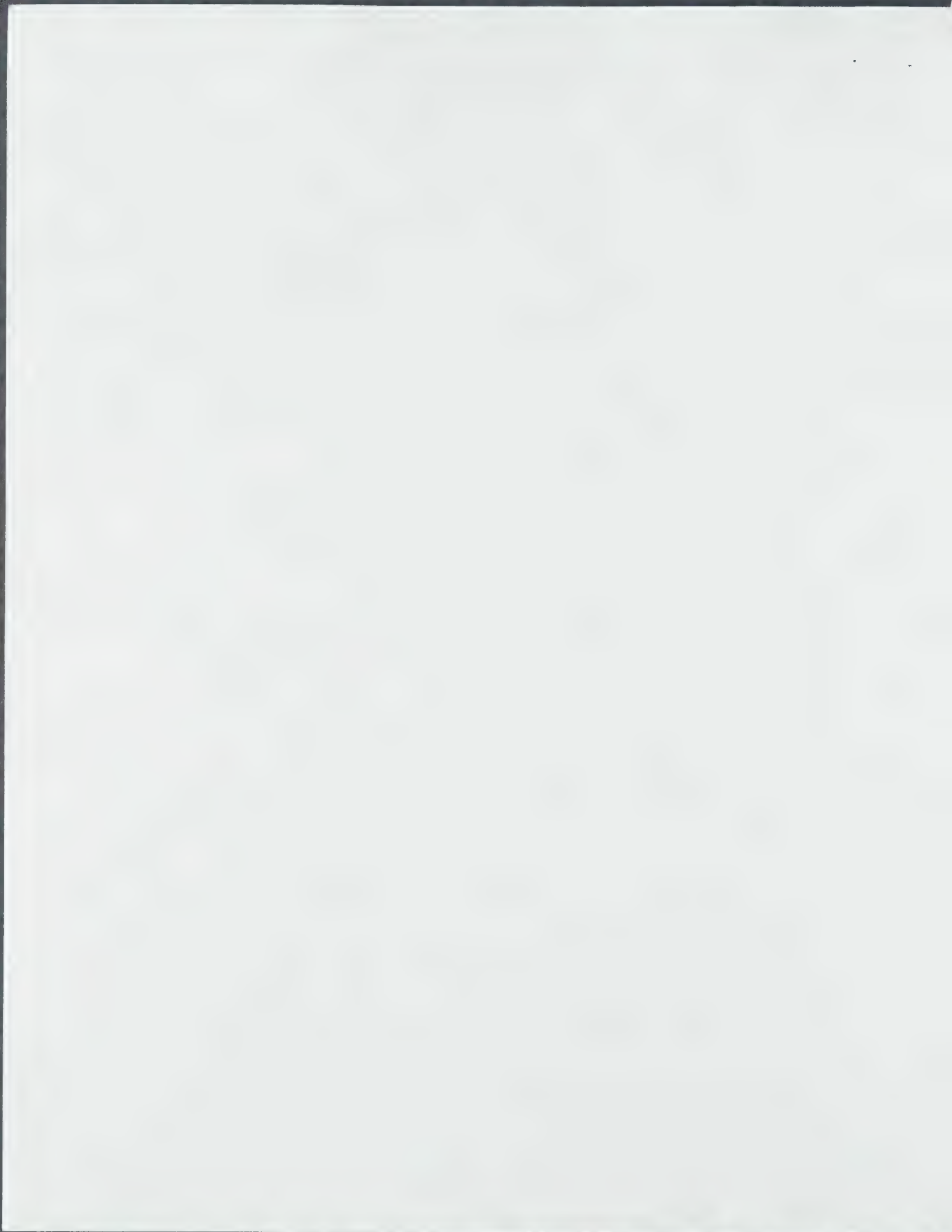
Dear Dick:

Isabel and I just returned from England, and one of our first letters must be to you to thank you and Ann for your wonderful hospitality in Durham.

Please thank Ann particularly for that delicious dinner and your associates for that interesting day.

Best wishes.

Sincerely,



# University of Durham

Department of Chemistry

Telex: 537351 DURLIB G

FAX: (091) 374 3745

JANET: R.D.CHAMBERS @ uk.ac.durham

BITNET: R.D.CHAMBERS @ durham.ac.uk

Science Laboratories, South Road, DURHAM,

GREAT BRITAIN, DH1 3LE

Telephone: Durham (091) 374 3120

*Professor of Chemistry:*

R D Chambers, PhD, DSc, CChem, FRSC

24th February, 1993.

Dr. A. Bader,  
2961 North Shepard Avenue,  
Milwaukee,  
Wisconsin 53211,  
U.S.A.

Dear Dr. Bader,

Thank you for your letter and we are pleased that you can accept our invitation.

We have reserved a room in the Royal County Hotel, in Durham, for the night of Sunday, 23rd May. I will pick you up at the hotel at 7.00, for dinner, but I will meet you from the Station etc. if you let me know your travel arrangements.

Journey times, London Kings Cross-Durham, 2 hrs. 50 mins.; Durham-Edinburgh ca. 2 hours.

I propose the following arrangements for Monday, 24th May:-

10.00 Lecture. The Adventures of a Chemist Collector.

Coffee

11.00 Lecture. Josef Loschmidt.

Lunch

The remaining time could include any of the following:-

- Meeting staff in the department etc.
- Visiting the Gulbenkian Museum of oriental art
- Touring Durham Castle

Please let me know what your preferences are.

Best wishes,

Yours sincerely,

David Chambers

*Richard T. Ann*

Dr. Alfred Bader  
2961 North Shepard Avenue  
Milwaukee, Wisconsin 53211

March 5, 1993

Professor R. D. Chambers  
Department of Chemistry  
University of Durham  
South Road  
Durham DH1 3LE  
Great Britain

Dear Professor Chambers:

Thank you so much for your letter of February 24th with the arrangements for Monday, May 24th.

You know what train schedules on Sundays can be. Could you please pick a train which we are to take early that Sunday afternoon from Kings Cross, and we will try to make certain that we catch it, going up to London from Bexhill that morning. But just in case something unforeseen happens, please do let me have your home telephone number.

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Best personal regards.

Sincerely,

February 11, 1993

Professor R. D. Chambers  
Department of Chemistry  
University of Durham  
Science Laboratories  
South Road  
Durham DH1 3LE  
Scotland

Dear Professor Chambers:

Thank you for your fax of February 9th.

Isabel and I would like to arrive in Durham later on Sunday afternoon, May 23rd, and then leave fairly early Monday evening so that we can still get a good night's sleep in Edinburgh.

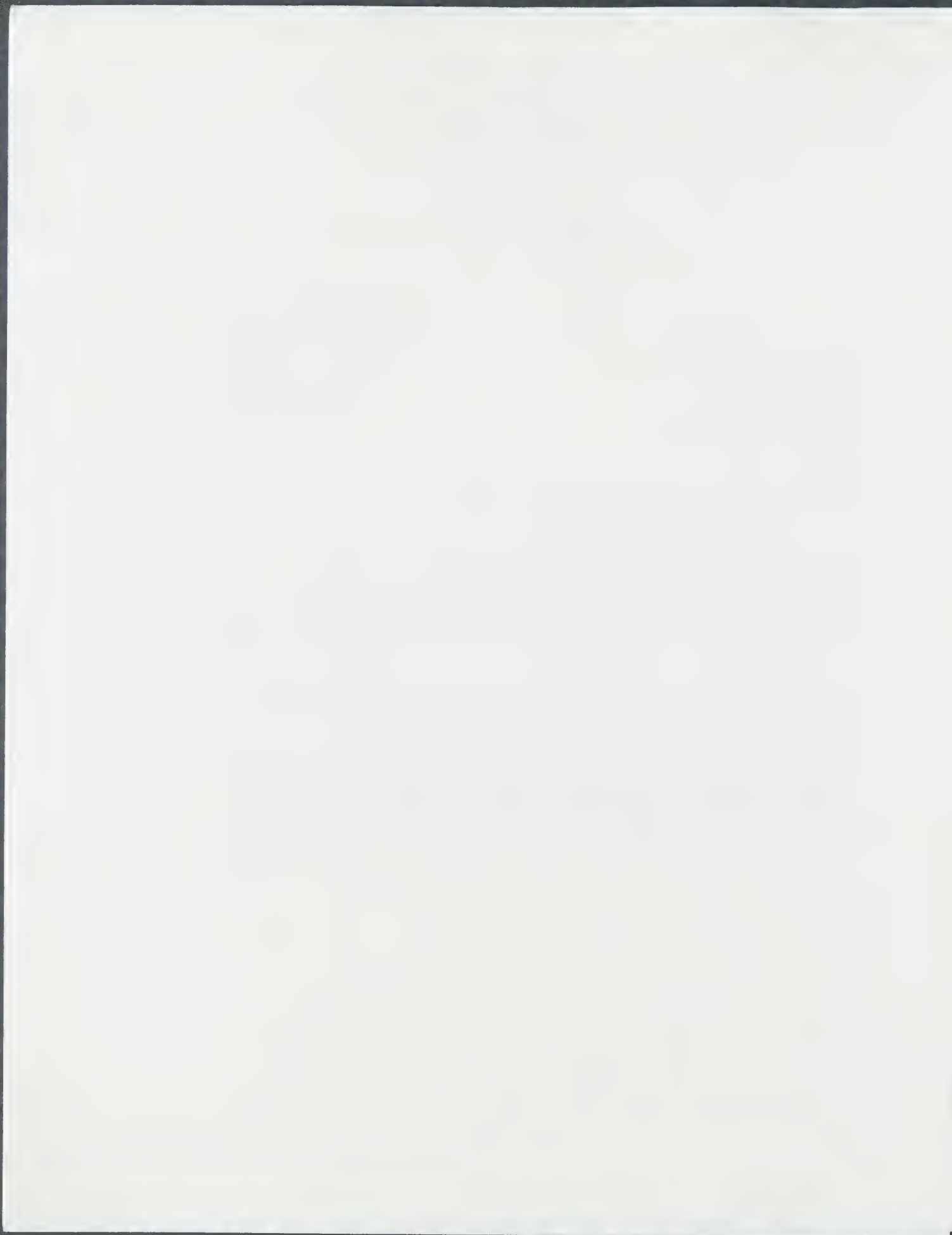
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Best regards.

Sincerely,

Enclosure



Dr. Alfred Bader  
2961 North Shepard Avenue  
Milwaukee, Wisconsin 53211

February 11, 1993

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Department of Chemistry  
University of Durham  
Science Laboratories  
South Road  
Durham DH1 3LE  
Scotland

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Best regards.

Sincerely,

Enclosure

# University of Durham

Department of Chemistry

Telex: 537351 DURLIB G

FAX: (091) 374 3745 ←

JANET: R.D.CHAMBERS @ uk.ac.durham  
BITNET: R.D.CHAMBERS @ durham.ac.uk

Science Laboratories, South Road, DURHAM,  
GREAT BRITAIN, DH1 3LE  
Telephone: Durham (091) 374 3120

Professor of Chemistry:  
R D Chambers, PhD, DSc, CChem, FRSC

9th February, 1993.

FAX No. 0101-414-9628322

Dr. A. Bader

Dear Dr. Bader,

You will recall our conversation in St. Petersburg and, since my return from the U.S.A. last Friday, I have made enquiries about your visit to the U.K. and learn from Professor Connolly in Glasgow, that you are scheduled to visit in the "last week in May, 1993".

I recall that you preferred to visit Durham on Monday of the week of your visit to Edinburgh/Glasgow and so that would make it the 24th May. You indicated that you would wish to arrive in Durham on Sunday (23rd) and leave on the Monday (early evening?) for Edinburgh. I will schedule your lectures for the morning of Monday, 24th May, if that is O.K. and I would be grateful if you could let me have titles, so that I can do some advertising.

If you could indicate your requirements, then I will arrange accommodation for you in Durham and if you are available on the evening of the 23rd, we would be pleased if you could come to our home for dinner?

Best wishes,

Yours sincerely,

Dick Chambers





# UNIVERSITY OF DURHAM

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**Prof. Richard D. Chambers**  
Professor of Chemistry

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Department of Chemistry

South Road  
Durham, DH1 3LE

Tel: (091) 374 3120

Fax: (091) 374 3745

Email: R.D.CHAMBERS@durham.ac.uk

5 AYKLEY GREEN,  
WHITESMOCKS,  
DURHAM, DH1 4LN,  
U.K.

Tel. (091) 386 5791



# aldrich chemical company, inc.

## CONTACT REPORT

Copies to:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Report No. \_\_\_\_\_

By \_\_\_\_\_

Date 5/24/93

Department \_\_\_\_\_

Other Persons Accompanying:

ILB

Persons Interviewed and Position

1. P. J. Richards

2. \_\_\_\_\_

3. John Macchini

4. \_\_\_\_\_

5. \_\_\_\_\_

Company Name and Address:

Send catalog to: 1 2 3 4 5

Add to mailing list: 1 2 3 4 5

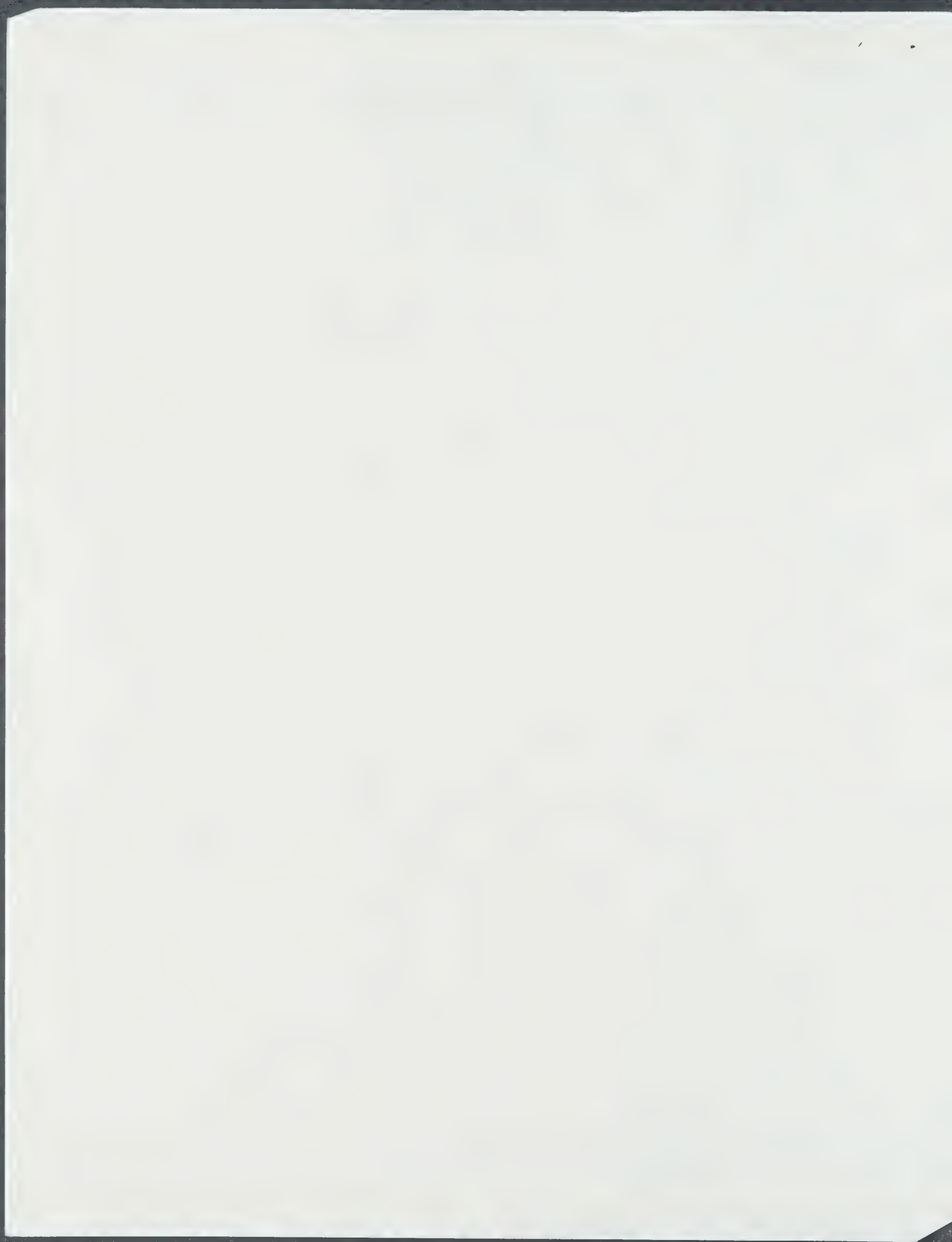
### REPORT:

*Robert T. Williams, Ph.D. Director, Product Development  
part area specialties  
to provide the chemical*

*Open report to...*

*(2) ex. ICT  
Ph.D. Williams, Director  
ca. 53  
BNI Foundation Ltd.*

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



# University of Durham

Department of Chemistry

Telex: 537351 DURLIB G

FAX: (091) 374 3745

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BITNET: R.D.CHAMBERS @ durham.ac.uk

Science Laboratories, South Road, DURHAM,  
GREAT BRITAIN, DH1 3LE  
Telephone: Durham (091) 374 3120

*Professor of Chemistry:*  
R D Chambers, PhD, DSc, CChem, FRSC

13th May, 1993.

FAX No. 010 1 414 9628322

Dr. A. Bader,  
2961 North Shepard Avenue,  
Milwaukee,  
Wisconsin 53211,  
U.S.A.

Dear Dr. Bader,

I am writing to confirm your visit, with your wife, on 23-24 May. The programme is as follows:-

## Sunday, 23rd May

Train Leave Kings Cross 14.00 - Arrive Durham 17.32

The Sunday train service is not very good (rail repairs) and if you would prefer to travel by air, I would be happy to meet you at Newcastle Airport. Suitable flights might be:

Leave Heathrow 12.40 - Arrive Newcastle 13.50

Leave Heathrow 16.25 - Arrive Newcastle 17.35

I will meet you from the train or plane but if something goes wrong, then your accommodation is reserved at the Royal County Hotel. I will pick you up at 7.00, at your hotel, for dinner at home with some colleagues.

## Monday, 24th May

10.00 Lecture. The Adventures of a Chemist Collector

Coffee

11.30 Lecture. Josef Loschmidt

Lunch

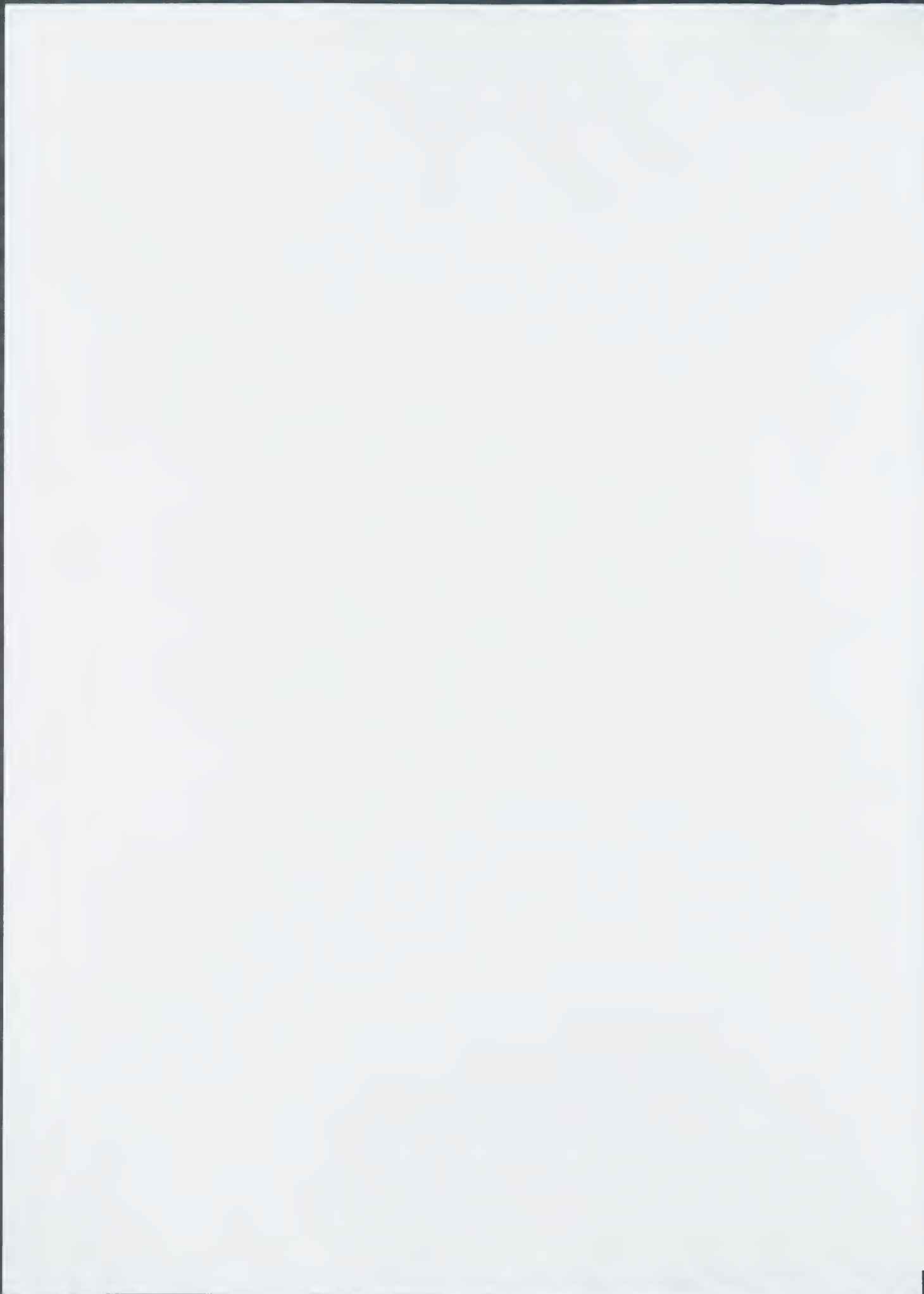
Afternoon Meetings with colleagues etc.

We are looking forward to your visit.

Best wishes,

Yours sincerely,

*Dick Clark*



Dr. Alfred Bader  
2961 North Shepard Avenue  
Milwaukee, Wisconsin 53211

March 5, 1993

Professor R. D. Chambers  
Department of Chemistry  
University of Durham  
South Road  
Durham DH1 3LE  
Great Britain

Dear Professor Chambers:

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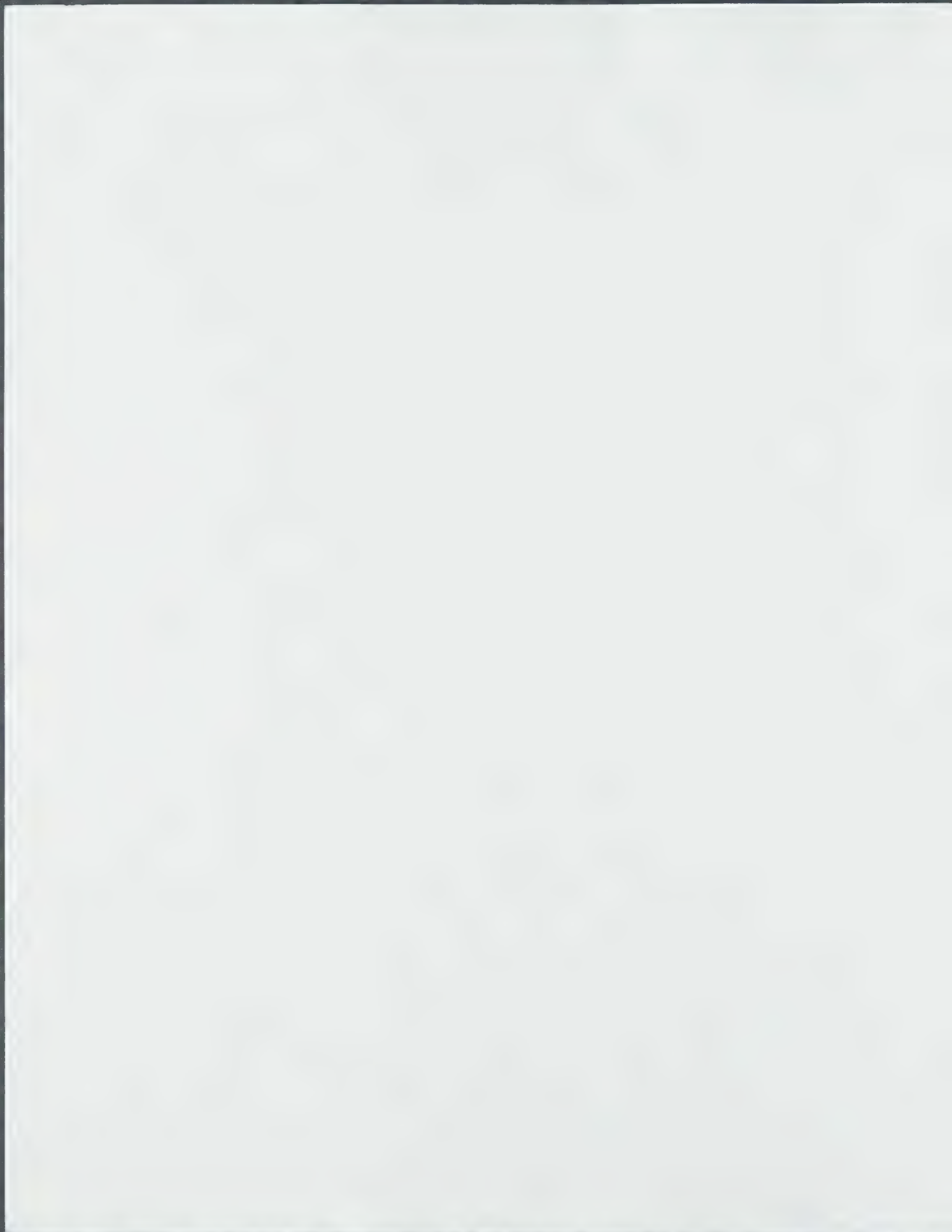
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Science Laboratories, South Road, DURHAM,  
GREAT BRITAIN, DH1 3LE

Telephone: Durham (091) 374 3120

*Professor of Chemistry:*

R D Chambers, PhD, DSc, CChem, FRSC

24th February, 1993.

Dr. A. Bader,  
2961 North Shepard Avenue,  
Milwaukee,  
Wisconsin 53211,  
U.S.A.

Dear Dr. Bader,

Thank you for your letter and we are pleased that you can accept our invitation.

We have reserved a room in the Royal County Hotel, in Durham, for the night of Sunday, 23rd May. I will pick you up at the hotel at 7.00, for dinner, but I will meet you from the Station etc. if you let me know your travel arrangements.

Journey times, London Kings Cross-Durham, 2 hrs. 50 mins.; Durham-Edinburgh ca. 2 hours.

I propose the following arrangements for Monday, 24th May:-

10.00 Lecture. The Adventures of a Chemist Collector.

Coffee

11.00 Lecture. Josef Loschmidt.

Lunch

The remaining time could include any of the following:-

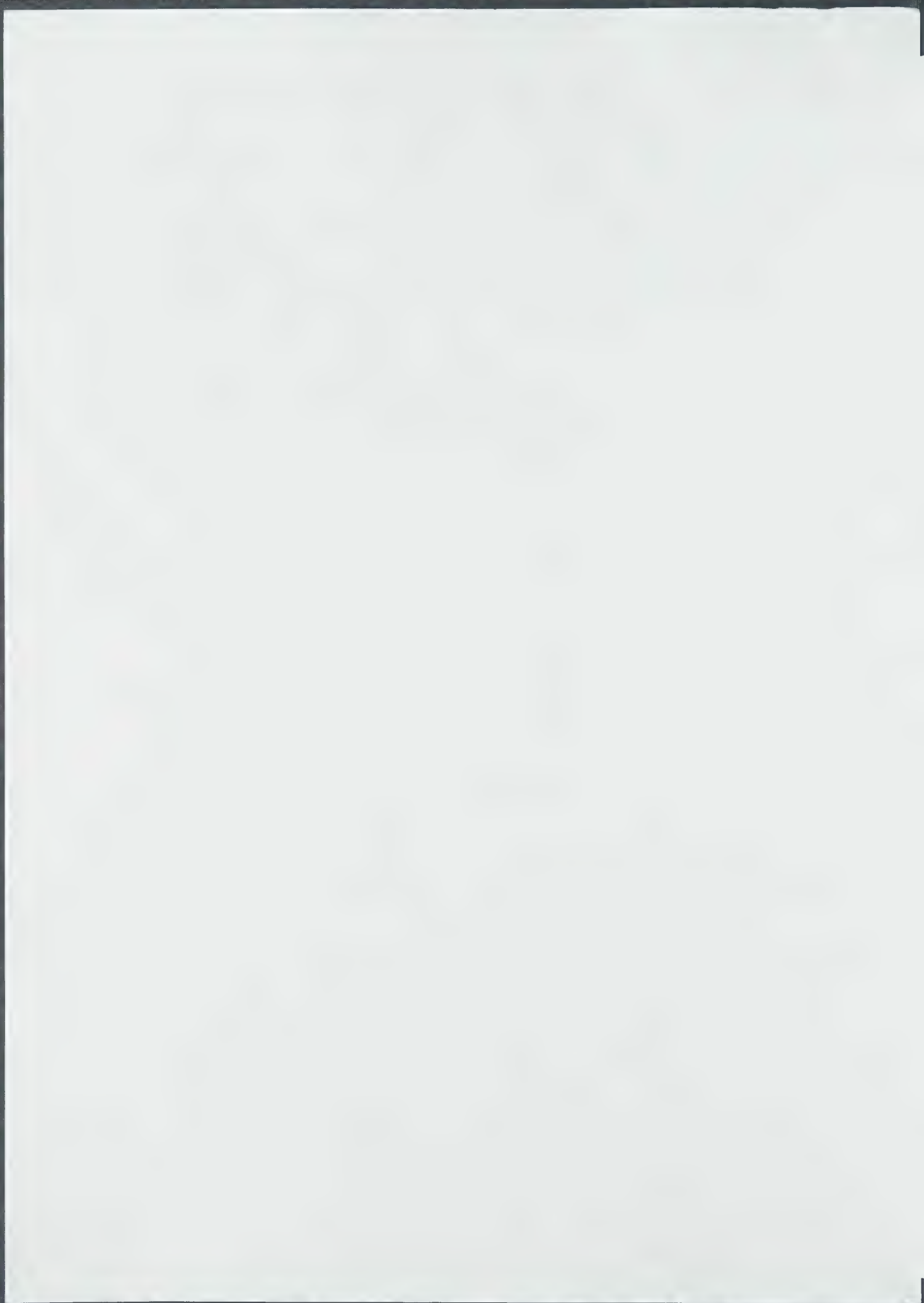
- Meeting staff in the department etc.
- Visiting the Gulbenkian Museum of oriental art
- Touring Durham Castle

Please let me know what your preferences are.

Best wishes,

Yours sincerely,





Dr. Alfred Bader  
2961 North Shepard Avenue  
Milwaukee, Wisconsin 53211

February 11, 1993

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Department of Chemistry  
University of Durham  
Science Laboratories  
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Enclosure



# University of Durham

Department of Chemistry

Department of Chemistry, University of Durham

Leazes Road, Durham, Co. Durham, UK

Telephone: 0191 374 3745

Telex: 330000

Facsimile: 0191 374 3745

Internet: [chem@durham.ac.uk](mailto:chem@durham.ac.uk)

WWW: <http://www.durham.ac.uk/chem>

Chemistry Department, University of Durham

Leazes Road, Durham, Co. Durham, UK

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