Alfred Bader fonds

Correspondence

University College London (UCL) 1992-2001

Dr. Alfred Bader
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A Chemist Helping Chemists

August 21, 2000

Professor Anthony J. Deeming
University College London
Chemistry Department
Christopher Ingold Laboratories
20 Gordon Street
London WC1H 0AJ
ENGLAND

Dear Tony,

I have been delaying writing to you simply because I find it so difficult to write strongly to a man I like and respect, as I do you.

But the accounting supplied by your Finance people is totally unsatisfactory. The draft for the bursaries, which you gave me during my visit, is satisfactory, except for two changes:

1. The money is supplied by Isabel and myself personally and not by the Foundation, and;

2. Please consider for Paragraph 4:

   "The value of each award ranges from £1,000 to £3000 per year depending upon the financial circumstances of the student. The award is intended to encourage those who would not otherwise be able to consider the completion of a degree programme."

The Financial Statement given to you with the account code ZTX7 is unintelligible.

We have established many other bursaries, for instance, in Edinburgh and Glasgow, and from each University we receive an annual statement showing the beginning balance, which student received what amount, the interest earned on the capital, and the final balance.

According to my records, I gave the equivalent of 3 x £16,000 to The Friends of University College in 1997, so that if we continue, we should make another payment of the equivalent of £48,000 now.

But if your financial people do not find it worthwhile to keep and send us intelligible records, should we consider stopping the bursaries? Tony, I do not have to tell you that we don't really want to do that, but no other University except for Sheffield has treated us like UC. (The Sheffield experience is described on pp. 260-263 of my autobiography.)

Would it be advisable for us to speak directly to the financial person responsible?

I much look forward to hearing from you and remain with best personal regards

Yours sincerely,

Alfred Bader
www.alfredbader.com
AB/az

R. J. H. Clark FRS
Sir William Ramsay Professor

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Dr Alfred Bader
Milwaukee.

24/8/01

Dear Alfred,

Thank you for your letter of August 20. I'm sorry, indeed, that you felt unable to help Dr Greg Turner, who undoubtedly will go far in his applications of Science to Artwork. Unfortunately, the BL claim not to be able to support a scientist!

Thank you for your consideration of this matter.

I'm just leaving now for a week's holiday – please excuse the handwritten nature of this letter, done in haste.

Sincerely Robin

W. B. Motherwell
Alexander Williamson Professor of Chemistry

University College London
Chemistry Department
Christopher Ingold Laboratories
20 Gordon Street
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0171-380 7524

March 6th, 2000.

Dear Alfred,

Many thanks for your letter of February 28th and the enclosures. I have now "reminded" Tony Deeming who assured me that he had replied to you. In any event, he is certainly anticipating a visit from you on 23rd or 24th March.

My first reaction to your news of Mila was one of disappointment because he is of course, a brilliant scientist. On reflection however, I tend to agree with you that his influence in his new career may be even more beneficial for chemists in the Czech Republic.

If I were as intelligent as Mila, given the current situation in UK Universities and indeed elsewhere in Europe, I would also have no hesitation whatsoever in searching for something else to do.

With all good wishes from our home to yours,

Sincerely yours,

Willie

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R. J. H. Clark FRS
Sir William Ramsay Professor and
Head, Department of Chemistry

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

16 January 1997

Dear Alfred,

I wondered whether you might consider the following proposition. I have a girl doing a project with me on Raman microscopy of pigments on manuscripts. She is in her third year of a BSc honours course at UCL (in which she is expected to graduate with second class honours) and she is both very able and extremely keen to study with me for a PhD in this area, starting in September 1997. She is Miss Amanda Hardy, aged 21, and her family circumstances are such that she will not be able to support herself. Nor, unfortunately, do we have any suitable grants with which I would be able to support her. As you perhaps know, finance to support research at the Arts/Science borderline is ***extremely*** difficult to obtain, each discipline suggesting that the other should provide it! I would be very pleased to introduce her to you, should you wish to meet her.

I wondered whether you might consider supporting Miss Hardy for her PhD studies (currently this amounts to £7,250 p.a. for living expenses and £2,650 p.a. fees, each for 3 years).

Alfred, I hope that you do not mind my putting this proposition directly to you. But I would not have done so had it not been for the very great keenness of Miss Hardy to work in the area, her obvious abilities and deep interest therein, coupled with the unfortunate fact that neither she nor the Department is able to find a way to support her.

On another matter, as you will see from the attachment, I am giving a Friday evening discourse at the Royal Institution on March 7, and I wondered whether you and Isabel would like to come as my guests.

With best wishes for the New Year.

Yours sincerely,

Professor R.J.H. Clark

Enc.

RJHC/djm

Friday, February 28

J.J. Thomson, Discoverer of the Electron: The Man in His Setting

DAVID THOMSON

Former Board Member, Lazard Brothers Bankers and former Honorary Treasurer, The Royal Institution

J.J. Thomson's popular claim to fame rests on his "discovery" of the electron one hundred years ago. His belief that cathode rays were "corpuscles" (as he first called them) smaller than a hydrogen atom and a universal constituent of matter was first announced to a somewhat disbelieving audience at a Friday Evening Lecture at the Royal Institution in April 1897. His subsequent experiments made good his bold claim. It was one of the great discoveries that has helped to shape the twentieth century. J.J. was appointed Cavendish Professor at Cambridge at the early age of twenty-eight in 1884 and stayed there until he was succeeded in 1919 by his most famous pupil, Ernest Rutherford. Behind his achievements lay a forceful but modest personality. He was an intuitive scientist who used experiments to prove a theory or find a meaning rather than as ends in themselves. He had a strong visual imagery and was at heart as much a mathematician as a physicist.

The lecturer, who is J.J.'s grandson and not a scientist, looks at some of the forces that shaped his life and personality: the Manchester background, his teachers at Owens College, mathematics at Cambridge, his passion for original research, the influences of Faraday and Clark Maxwell, the interaction with the great German and French physicists, building up of the Cavendish reputation, his colleagues and pupils. The lecturer will explore J.J.'s personality, putting his life in the setting of his times and the places that meant most to him and his marriage, family and friends. To do so he has drawn on a family archive of letters and papers.

The Lecturer: born 1931 when his father, Sir George Thomson, was Professor of Physics at Imperial College and his grandfather, Sir J.J. Thomson, was Master of Trinity College, Cambridge. He went to Rugby School and from there won a scholarship to Trinity — as did his elder brother, father and grandfather before him. He graduated in Economics from Cambridge and, after National Service in the Navy, started a career with Lazard Brothers, merchant bankers in the City, from which he retired in 1986 after 21 years on the Board. He has served as Treasurer and Chairman of the Council of the Royal Institution. He is currently Chairman of an insurance company, two investment trusts and of the naval heritage attractions in Portsmouth Dockyard. He is also a Trustee of Lucy Cavendish College and the Fitzwilliam Museum in Cambridge. In 1959 he married Patience Bragg, then living in the Royal Institution, where her father, Sir Lawrence Bragg, was Director. He is Chairman of the Athenaeum.

Friday, March 7

An Arts/Science Interface: Mediaeval Manuscripts, Pigments and Spectroscopy

ROBIN J.H. CLARK FRS

Sir William Ramsay Professor of Chemistry, University College London

The identification of the pigments used on paintings, manuscripts, and ceramics is important in matters to do with restoration, conservation, dating and authentication. The subject is very much at the Arts/Science interface, attracting as much interest from art historians, curators, and museum scientists as from conservationists and research scientists. Many techniques have been employed for this purpose, some of which are specific to the elements present in the pigment, some to the chemical groups, some to the compounds, and some to the pigment material in bulk.

The most recent to be applied, Raman microscopy, is now considered to be the best single technique for this purpose, since it combines the required attributes of reliability and sensitivity, with those of being non-destructive and largely immune to interference from both other pigments and the binder. Moreover Raman microscopy is amenable to *in situ* studies, which makes it particularly important for the study of illuminated manuscripts, and it has high spatial resolution, a facility of obvious value for establishing the nature of pigment mixes. It is hoped that the technique can be demonstrated.

The Discourse begins with a survey of the pigments, inorganic and organic, responsible for the beautiful illuminations in many early manuscripts and paintings. Examples are taken from Italian, German, Icelandic, Persian, and other sources. The pigments present in Italian and Egyptian pottery have also been identified, and will be discussed, as will the nature of the degradation products arising from overexposure to light and atmospheric pollution.

***The Lecturer**: born 1935, he was educated at the Universities of Canterbury and Otago before being awarded a PhD in Inorganic Chemistry at University College London in 1961. He joined the academic staff at that Institution shortly thereafter, becoming a Professor in 1982, Dean of Science 1988-89, and Sir William Ramsay Professor and Head of Department in 1989. His research in inorganic chemistry and spectroscopy has led to the publication of nearly 400 scientific papers, 3 books and 33 edited books. He has held many visiting professorships and has lectured at some 250 universities and institutions in 28 countries throughout the world. He has given the Royal Society of Chemistry's Tilden, Nyholm, Thomas Graham and Harry Hallam Lectures and has served on many national and international committees, including the Royal Society Council. He was elected an Honorary Fellow of the Royal Society of New Zealand in 1989, a Fellow of the Royal Society and a Member of the Academia Europaea in 1990, and a Fellow of University College London in 1993.*

FRIDAY EVENING DISCOURSES

Addressed to Members and their guests, and Subscribers. An exhibition relating to the subject of the Discourse may be visited in the main library (first floor) between 8.00 pm and 11.00 pm. Refreshments are served after the Discourse. **The Discourse begins at 9.00 pm precisely and lasts for one hour. Members and guests are requested to be in their seats by 8.45 pm.**

Friday Evening Discourses are, by tradition, formal occasions and, while evening dress (dinner jacket) is not obligatory, the Council would like guests to know that it is customary. Members are asked to ensure that their guests are suitably attired. Admission of casually dressed Members or guests may be refused. Discourses are intended for an adult audience but well-behaved children will be admitted if they are suitably dressed. It has been customary to credit Members for tickets returned before 5.00 pm on the day before the Discourse. However, this courtesy has proved costly in time and labour and, in cases where inadequate notice has been given, has prevented the attendance of other Members. It is regretted that this practice is suspended and refunds will not be available for returned tickets.

DISCOURSE TICKETS

All seats, whether booked in advance or at the door, will be subject to a charge.
Members, Associate Subscribers and Schools Subscribers: Subscription to a single Discourse, including reservation charge, refreshments and admission to the library exhibition:

Main theatre (downstairs)	Members £11.00 (not transferable); Guests £12.00
Main theatre (gallery)	Members £5.00 (not transferable); Guests £6.00

DISCOURSE SUBSCRIPTION TICKETS

Members and Associate Subscribers may subscribe to the twenty Discourses of one calendar year, from January until December, as follows:

Main theatre (downstairs)	£120.00 (not transferable)
Main theatre (gallery)	£55.00 (not transferable)

A Discourse Subscription Ticket does not automatically reserve a seat unless a reservation has been made (see 'Reservation of Seats' below). Holders of Discourse Subscription Tickets cannot be guaranteed a seat on every occasion. Tickets are non-transferable.

RESERVING SEATS

Telephone bookings are accepted for CREDIT CARD HOLDERS ONLY (Mastercard or Visa). A 50p administration charge will be made if you require the tickets to be posted to you. Postal bookings must be accompanied by a blank cheque with an upper limit entered between the crossed lines; please enclose an SAE if you require your tickets to be posted to you. Unsold tickets will be available at the Ticket Office from **7.45 pm to 8.45 pm** on the evening of the Discourse at the above charges. If the theatre is full, the Discourse will be relayed to the Bernard Sunley Lecture Theatre and no charge will be made for seats in this theatre. Members who make advance reservations and are subsequently unable to use their ticket(s) are asked to notify the Ticket Office before 5.00 pm on the day preceding the Discourse. Tickets are not transferable and no refunds will be made.

INTRODUCING GUESTS

Members and Associate Subscribers may introduce guests at Evening Discourses. The first two guests will be at the normal rate (£12.00), and the third guest, complimentary; for each additional guest ticket purchased, one extra will be offered free. Corporates and College Corporates will be entitled to up to four tickets per Discourse, and School Subscribers may apply for additional tickets.

OPEN DISCOURSE

Friday, March 21 at 6.00 pm
SIR HAROLD KROTO, FRS
School of Chemistry and Molecular Sciences, University of Sussex

As part of the National Week of Science, Engineering and Technology, and in association with the Royal Society of Chemistry, an open discourse by the UK's most recent Nobel Laureate will be held at which all are welcome, no prior booking is necessary, and admission is free.

MEMBERS' MEETINGS IN 1997

Monday, February 3 at 6.00 pm
ORDINARY GENERAL MEETING OF MEMBERS

Monday, May 19 at 5.00 pm
ANNUAL GENERAL MEETING OF MEMBERS

Monday, July 7 at 6.00 pm
ORDINARY GENERAL MEETING OF MEMBERS

Monday, November 8 at 6.00 pm
ORDINARY GENERAL MEETING OF MEMBERS

DATES OF DISCOURSES SUMMER TERM 1997

Friday 9 May
Friday 16 May
Friday 23 May
Friday 30 May

UCL Development Office

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Dr Alfred Bader
924 East Juneau, Suite 622
Milwaukee
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USA

6 March 1997

Dear Dr Bader

I thought that I would write and add my thanks to those of the Department for your recent gift to support the bursaries scheme for the next three years. I am enclosing a formal UCL Friends & Alumni Inc. acknowledgement in case you should need this for tax purposes. It is kind, and extremely helpful, of you to let us know of your long-term provision for the bursaries. We very much appreciate this.

Also enclosed is a copy of the College's "Reports and Financial Statements" for the year ending 31 July 1996, in case this is of interest to you. It certainly covers some of the issues - endowment income and such like - that you raised with me when we met last year.

I hope that this letter finds you and Isabel in good health.

Thank you again, on behalf of UCL.

With best wishes.

Yours sincerely

Rachel Hall
Director of Development

Encs.

W. B. Motherwell
Alexander Williamson Professor of Chemistry

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20th January '97.

Dear Alfred and Isabel,

First of all, and most importantly, thank you both for the delightful day at Herstmonceux and Bexhill before Christmas. Robyn, Mary-Lynn and I were all very excited and it was great to see Professor Raphael and Prudence once again. Please keep me informed of your detective work on Faraday and Prussian Blue – it is going to develop into a fascinating story.

I have just received the copy of the letter which you have sent to Rachel Hall about the Bader Prize at UCL. I had already spoken to Dr Bob Cooper, and he seemed to know exactly what has been done and what should be done. I will now remind him that he promised me to write to you!

(Please excuse my poor writing. This note is being written on a train while on a journey to visit my Dad who has been taken into hospital.)

With very best wishes as always,

Willie

PTO

On arrival home Robyn reminded me to send off the photo which Mary Lynn took with her "toy" camera. Let me know if you have made yet another discovery. We were also delighted by the watercolour which shows a dramatic November sky over the south downs. It is now framed in our lounge and takes a prominent place alongside the beautiful scene of Mellich by Bath which you gave us some years earlier.

Very best wishes to both for a happy and healthy year in 1997

Willie

Dr. Alfred Bader
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A Chemist Helping Chemists

March 29, 1996

Professor Robin J.H. Clark, FRS
Head, Department of Chemistry
Christopher Ingold Laboratories
University College London
20 Gordon Street
London WC1H 0AJ
England

Dear Robin:

In response to your kind letter of March 19th, there appears to be a misunderstanding.

Of course, Isabel and I are happy about the way that the bursary scheme is being handled so very carefully, and I have already sent my check to cover the cost of the next year. But of course, we plan to continue the funding for more than just one year. It is just that at the moment, interest rates paid are so low that it makes better sense to pay for one or several years.

In any case, I look forward to being back in London at the end of May and most of July and will discuss all the details then. Please just don't think for a moment that we want to fund the scheme for just one further year.

With all good wishes, I remain,

Yours sincerely,

AB/cw

c: Professor Anthony Deeming

University College London
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R. J. H. Clark FRS
Sir William Ramsay Professor and
Head, Department of Chemistry

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Dr Alfred Bader
2961 North Shepard Avenue
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U S A

19 March 1996

Dear Alfred,

I understand from Dr Cooper that you have agreed to continue to fund your bursary scheme for disadvantaged students for a further year. I'm writing to thank you most sincerely for doing this. The scheme is a really good one, and Tony Deeming and others are working very hard indeed to make it successful.

Thank you again – we do appreciate your generosity, as do the students who derive the benefit.

Yours sincerely,

Professor R.J.H. Clark

cc. 52 Wickham Avenue, BEXHILL ON SEA, E Sussex
Dr R E Cooper

RJHC/djm

Dr. Alfred Bader
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A Chemist Helping Chemists

February 21, 1997

Dr. R. E. Cooper
University College London
Chemistry Department
Christopher Ingold Laboratories
20 Gordon Street
London WC1H 0AJ
England

Dear Bob:

I am sorry that my inquiry about the Bader prize has caused you such an enormous amount of work, described in your kind letter of February 11th.

When I gave University College the £10,000 interest rates were very much higher and you could purchase British government bonds maturing twenty or thirty years from now, yielding well over ten percent. I counselled that such bonds be bought, but clearly that would have caused some difficulties and the money was put into a general fund.

Of course I understand the difficulties of deviating from an accepted practice and I am happy that the prize will now revert to £1,000 per year.

With all good wishes, I remain,

Yours sincerely,

AB/nik

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Dr R E Cooper
Extn: 4600

Dr Alfred Bader
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USA

11 February 1997

Dear Alfred,

Willie Motherwell and Rachel Hall have both referred to me copies of your letter of January 15 concerning the reduction in the value of the Bader Prize to £700 pa. Until Willie mentioned it I was unaware that such a reduction had taken place, and I have not been able to find any information that the Department had requested or agreed to such a reduction. However, I did check the copy of the prize certificate in our files and it states thereon that the value of the prize is £700 so we should have picked this up before the award was made, and I can only apologise that this was not done.

In order to find out what had gone wrong I have made enquiries from the several college departments who help administer the prize funds, starting with the Finance Division, who have provided me with details as to how the original £10,000 invested in January 1991 has done, and these are attached. You will note that the average yield (interest + income + capital appreciation) over the last 6 years has been some 14.2%, and that although the income yield has been between £800-£900 per year only, the shortfall needed to make the prize up to £1000 has so far been met from the extra years interest (for 1990-91) as was intended by our Mr Ellis, who devised the scheme, and only now will we need to start using some of the capital appreciation, by selling some units annually to make up any shortfall from £1000 in the annual income received. The capital value is now nearly £15,000, so we may not have to do this at all if interest rates rise.

There is therefore no need to reduce the prize value on financial grounds. However, for most prizes the College pursues a much more conservative policy and regularly reviews the prize funds to ensure that the value of the prizes awarded does not exceed the income, except in special circumstances. For this review the capital gain is usually disregarded, as it is felt that increases here will maintain the real value of the fund and protect it from the effects of inflation. To this effect the Director of Student Finance tells me that such a review was held in summer 1995 and a letter sent to the Head of Department to the effect that the Bader fund income was approximately £815 pa, and that in consequence the prize should be reduced in value to £700 pa. I do not know why this letter was sent, as, although Mr Ellis has retired,

.../2

his successor is well aware of the circumstances of the setting up of the prize and its value. However, I cannot trace that Professor Clark ever received this letter and nothing appears on our files. Nor do the College have a record of a reply; but the letter was couched in such terms that absence of a reply indicated the Department's assent to the reduction, which was therefore implemented.

The Department even so should have picked this up, and indeed the Chairman of the Departmental Examination Board, who deals with the award of prizes, did notice the reduction, but did not realize its significance.

It is in all a sorry story, which does not reflect credit on the Department or on the College, and I can only apologise again that it has happened. I have however taken the following steps to redress the situation.

1. Professor Clark is writing to request that the value of the prize should revert to the original value of £1000.

2. I am asking the College to place a note on file to the effect that the prize value is to remain at £1000 and not be altered unless -
   (a) to increase the value if the investment does well enough or
   (b) to decrease it only if the investment does so badly that the original capital sum would be eroded below £10,000; and in either case to inform you of what is proposed before any action is taken.

3. I shall provide a schedule of the value of all Departmental Prizes for the use of the Departmental Tutor and Chairman of the Departmental Examination Board, so that in future any discrepancy might be picked up and dealt with before any prize is awarded.

I hope that in future this will prevent any further happenings of this nature. I am sorry that this has been such a long letter but I do feel that you should have as full an explanation as to what happened as possible.

Yours sincerely

R E Cooper

COPY OF EMAIL MESSAGE FROM COLIN READ (FINANCE DIVISION) TO BOB COOPER RE BADER PRIZE FUND INVESTMENT

Dear Bob,

Thanks for the information on the Bader Prize. The only change to your attached table was that the dividend income for 94-5 should be £782.17 and not £799.69 as estimated by you. Other than that the figures quoted are correct. However the balance will not be quite as bad as you state because you do not show the interest that is allocated to the fund (based on average balances). On this fund it amounts to an extra £30+ pa.

The capital is invested in the College's Unified Fund. The rate for buying in or selling is revalued each August and at the time of investment the rate was £1.90. The annual rates since then are 8/91 £2.02, 8/92 £2.01, 8/93 £2.32, 8/94 £2.37, 8/95 £2.62 and currently from 8/96 £2.79. This gives the fund a capital value of £14,708, which is just short of a 50% increase on the original investment.

The dividend income remains fairly steady at around £800 pa. Although we have been through a recession most companies try to maintain their annual dividends and, therefore, the income has not fallen as much as inflation. UCL also gives a nominal interest to each fund based on the average balance in the fund over the course of the year. Neither of these figures are based on actual percentages but the annual returns work out as follows:

YEAR	INCOME	INTEREST	TOTAL	%age	unit cost	GROWTH(%age)	INCREASE(%age)
90-1	£887	£34	£921	9.21	£1.90	nil	9.2
91-2	£856	£46	£902 =	9.02	£2.02	6.50	15.52
92-3	£779	£29	£807 =	8.07	£2.01	nil	8.07
93-4	£832	£27	£858 =	8.58	£2.32	14.80	23.38
94-5	£782	£27	£809 =	8.09	£2.37	2.20	10.29
95-6	£793	£30	£823 =	8.23	£2.62	10.50	18.73
96-7					£2.79		
			£5,121	51.21 total		34.00	85.19
	AVERAGE ANNUAL INCREASE			8.53		566.67	14.20

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R. J. H. Clark FRS
Sir William Ramsay Professor and
Head, Department of Chemistry

Dr Alfred Bader
924 East Juneau, Suite 622
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U S A

24 February 1997

Dear Alfred,

Thank you for your letter of 22 January. I understand your concerns about making the proper choice of students for any project — but, that, after all, is what we in academia specialise in. I would not have dreamt of having made the proposition without having been sure that the person concerned was highly appropriate.

I can only repeat that research at the Arts/Science frontier is, indeed, extremely difficult to finance — neither the EPSRC nor Arts-based funding bodies are very keen to do so in this country (they ***are*** in Italy!). If you have any suggestions as to how I might be able to obtain funding from any source for Miss Hardy, I'd be immensely grateful if you'd let me know.

With best wishes,

Yours sincerely,

Professor R.J.H. Clark

RJHC/djm

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A Chemist Helping Chemists

August 8, 1997

Ms. Rachel Hall
Director of Development
University College London
Gower Street
London WC1E 6BT
England

Dear Ms. Hall:

The U.S. Internal Revenue Service requires receipts from the organizations that receive donations.

In going through my records, I note that I have not received receipts from the Friends of University College for my last two donations. Could you please ask the Friends of University College to send these to me.

With all good wishes, I remain,

Yours sincerely,

AB/nik

Enclosure

The Chemical and Physical Society
University college London
122nd Session 1997-1998

The Christopher Ingold Laboratories
Department of Chemistry
University College London
20 Gordon Street
London WC1H OAJ

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Dr Alfred Bader
924 East Juneau
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Milwaukee
Wisconsin 53202
USA

7th July 1997

Dear Alfred

This year, I have been unable to escape my departmental duty of taking up the Presidency of the Chemical and Physical Society of University College. In the light of this I would like to invite you to speak at one of our meetings. As you may know, this is the first chemical society in England with a continuous history of over 120 years (but not in Scotland!).

Each Tuesday evening of term at around 5 o'clock, a lecture is given by a speaker on a topic based around their work. The talk is directed at a general audience which includes many undergraduates and postgraduates. I have enclosed a copy of last year's lecture timetable.

Each meeting is preceded by tea, and afterwards there is a dinner in the department for those who wish to talk with the speaker in a less formal atmosphere. Everyone is invited to the meal and about twenty staff and students usually attend.

If you wish to accept our invitation, please could you please supply me with a title for your talk. The society's secretary Matthew Popkin will then contact you to select a mutually convenient date.

While I appreciate that you have a very busy schedule we would be honoured if you helped to maintain our tradition and accepted our invitation. I look forward to hearing from you.

With best wishes,

Willie

Nov 18 or 25

William B Motherwell

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A Chemist Helping Chemists

August 18, 1997

Ms. Rachel Hall
Director of Development
University College London
Development Office
Gower Street
London WC1E 6BT
ENGLAND

Dear Ms. Hall:

Thank you for your fax of today and the two receipts for the IRS, much appreciated.

As you know, I will be in London during the week of November 17 and would then be happy to talk to Dr. Drucker.

Best regards,

Sincerely,

AB/nik

UCL Development Office

University College London

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Ms Rachel Hale
Director of Development
UCL

RE your fax of today

Dear Ms Hale

There is no need for Dr. Bruckner to come to Milwaukee: he can call me in Bexhill this afternoon

I was in your chemistry department on Monday & Prof. Mathewski invited me to speak on November 18 – I look forward to that. I am glad that the bursaries are going well – thanks to the efforts of Dr. Dalby Price and Prof. Deeming.

Best wishes

Alfred Bader

June 18 97

University College London
Development Office
Gower Street

UCL

Development Office

Following

particularly with regard

inform future strategy. The study

is, however, a window of opportunit

UCL

FAX MESSAGE

To: [illegible]

From: Rachel Hall [illegible]
[illegible]

No. Pages: [illegible]

Date: [illegible]

Time: [illegible]

VERY URGENT

AS ATTACHED

The Chemical and Physical Society
University college London
122nd Session 1997-1998

The Christopher Ingold Laboratories
Department of Chemistry
University College London
20 Gordon Street
London WC1H OAJ

0171 387 7050 7533

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

7th July 1997

Dear Alfred

This year, I have been unable to escape my departmental duty of taking up the Presidency of the Chemical and Physical Society of University College. In the light of this I would like to invite you to speak at one of our meetings. As you may know, this is the first chemical society in England with a continuous history of over 120 years (but not in Scotland!).

Each Tuesday evening of term at around 5 o'clock, a lecture is given by a speaker on a topic based around their work. The talk is directed at a general audience which includes many undergraduates and postgraduates. I have enclosed a copy of last year's lecture timetable.

Each meeting is preceded by tea, and afterwards there is a dinner in the department for those who wish to talk with the speaker in a less formal atmosphere. Everyone is invited to the meal and about twenty staff and students usually attend.

If you wish to accept our invitation, please could you please supply me with a title for your talk. The society's secretary Matthew Popkin will then contact you to select a mutually convenient date.

While I appreciate that you have a very busy schedule we would be honoured if you helped to maintain our tradition and accepted our invitation. I look forward to hearing from you.

With best wishes,

William B Motherwell

The Chemical and Physical Society 121st Session 1996-1997

September

23	Mon	Term Starts	

October

1	Tue	Dr. L.Turin (UCL)	"Is Smell a Spectroscopic Sense?"
8	Tue	Prof. M.Henchman (Brandeis)	"How to Design an Invisible Missile"
15	Tue	RSC Young Chemists Meeting	Lecture followed by party in Engineering Dept. bar
22	Tue	Dr. W.G.Richards (Oxford)	"Computer-Aided Drug Discovery"

November

5	Tue	Dr. D.O'Hare (Oxford)	"Making and Studying Organometallic Sandwiches"
12	Tue	RSC Symposium at UCL	All day, Includes Ingold Lecture
19	Tue	Dr. C.Sell (Quest Int'nal)	"Chemistry and Perfume"
26	Tue	Sir John Mason (Centre for Environmental Technology)	"The Latest Developments in the Global Warming Debate"
30	Fri	Neil Sharp Memorial Ball	

December

3	Tue	Dr. D.Cowan (Drug Control Centre)	"The Dope in Sport"
10	Tue	Xmas Quiz	
13	Fri	Term Ends	

January

6	Mon	Term Starts	
7	Tue	Prof. J.K.M.Sanders (Cambridge)	"Biodegradable Plastics"
14	Tue	Prof. D.A.Williams (UCL)	"Gas, Dust, and Star Formation in the Galaxy"
21	Tue	Prof. J.Mann (Reading)	"The Elusive Magic Bullet"
28	Tue	Dr. J.E.Anderson (UCL)	"A Spectrum of Wines"

February

4	Tue	Dr. M.Bonell (UNESCO)	Title to be arranged
11	Tue	RSC Chilterns & Middlesex Meeting Dr. M.Anstice (Eastman Dental Institute)	"Chemistry and Dental Materials" *n.b.* tea 5pm, lecture 5.30
18	Tue	Prof. S.E.V.Phillips (Leeds)	"Nature's Mystic Book; The Structure of DNA and Proteins"
25	Tue	Student Papers	

March

4	Tue	Prof. Sir John Meurig Thomas (Cambridge)	"Designed Solid Catalysis"
11	Tue	Presidential Address	
18	Tue	Annual Dinner & Revue	
21	Fri	Term ends	

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

A Chemist Helping Chemists

January 15, 1997

Ms. Rachel Hall
Director of Development
University College London
Development Office
Gower Street
London WC1E 6BT
England

Dear Ms. Hall:

Isabel and I so enjoyed our dinner at University College and particularly the good fortune of being seated beside you so that we could discuss a number of subjects about University funding.

As you know, the funding of the Bader bursaries is proceeding smoothly and I am happy to be able to tell you that the Chemistry department of the University of Edinburgh was able to use the material prepared by Professor Deeming and four similar bursaries are likely to begin at Edinburgh this summer.

At such a happy occasion as the Annual Dinner I did not want to bother you with one vexing question.

Some years ago Isabel and I established scholarships at various British universities such as, for instance, University College, Imperial College, Glasgow, etc. These are for senior students to begin Graduate work in Organic Chemistry at these universities.

In every case, we gave each University £10,000. At the time, interest rates were high and I urged each University to invest the money in long-term bonds so that a scholarship of £1,000 could be given for at least 30 years.

I was surprised to learn that University College has unilaterally reduced the award to £700. Checking with Imperial College, I find that it has maintained the award at £1,000 and, as you will see from the enclosed, I have just received a thank you note from the student in Glasgow who also received the £1,000 award.

Does it really seem right to you to reduce the award? I much look forward to hearing from you and remain with best personal regards,

Yours sincerely,

AB/nik

encl.

cc: Professor Robin Clark
Professor W. Motherwell

The Henderson Laboratory
The Joseph Black Building
Glasgow University
University Avenue
G12 8QQ
Monday 6 January 1997

Dear Dr Bader,

I am writing to thank you most sincerely for the prize of £1000 donated by you and accepted by me with a great deal of pride and gratitude.

It was most unfortunate that you were unable to present the cheque in person but I would wish you to be aware of my appreciation of your sponsorship.

Yours sincerely

Vikki C. Pearson.

Development Office

University College London
Development Office
Gower Street
London WC1E 6BT

Tel: 0171-391 1635
Fax: 0171-209 0117

Dr Alfred Bader
2A Holmesdale Road
Bexhill on Sea
East Sussex
TN39 3QE

10 December 1996

Dear Dr Bader

It was a pleasure to meet you just recently at the Chemistry Department's annual Lab Dinner. I know that you and Isobel are regular guests and I hope that you both enjoyed the evening as much as you obviously have in the past. I also hope that you found your way home to Bexhill without too much trouble, after staying rather longer than planned to hear the speeches in their entirety.

During the course of dinner you asked a couple of questions to which I promised answers, and raised a number of issues about which I promised to send further details. With everything now to hand I am very pleased to enclose all of this information for you.

I shall begin with the question of endowments - both for UCL as a whole and for the Chemistry Department in particular. The College's total endowment (investments with specific trusts attaching to the monies) currently stands at just under £50 million. Last year these endowments generated £6.3 million income, of which £2.8 million was spent on the requisite purposes. You may also be interested to know that UCL's turnover currently stands at just over £200 million p.a.

It transpires that the Chemistry Department itself is not well endowed. Aside from your generous support for the Bader Bursaries and Prize, the Department has two small endowed funds, the A G Davis Travel Bursary fund and the Lady Durning Lawrence fund, generating £350 and £1,000 p.a. respectively, and a fifth share of the Le Rossignol fund which provides the Department with annual income of the order of £4,000, to further research in Chemistry.

The Department does have one block of more significant support, the SmithKline & French Chair which is held by Professor Robin Ganellin, but unfortunately this funding is short-term rather than an endowment and is due to come to an end in the Autumn of 1999. As I mentioned when we met, the true cost of a fully endowed Chair in a science department is now over £2 million (although the endowment of salary costs alone is nearer to £1.25 million), which makes it increasingly difficult to attract this type of long-term support.

Cont.../2

We talked a little about the wider UCL and about your interest in Flemish art. Here I am pleased to have some very positive news. I have spoken with Professor David Bindman, Head of the History of Art Department, and we seem to have a number of connections with your field of interest. In particular, understand that we have two seventeenth-century Dutch and Flemish specialists, Mr Charles Ford and Ms Tarnya Cooper, that we have a number of prints of this type and age in our Strang Print Room Collection, and that we have a specialist Painting Analysis Unit (which examines paintings for both private collectors and the sale rooms) which has seen some notable works, including paintings by Claude and Teniers, during the last year.

I have also uncovered an interesting link between History of Art and Chemistry! Just this year, the History of Art Department introduced a new degree programme entitled History of Art with Material Studies. The degree offers students the opportunity to combine an interest in close scientific observation and the analysis of material objects (in this case works of art) with a full programme of study in the History of Art. This is a modular programme involving the History of Art, Archaeology and Chemistry Departments.

I would be very happy to arrange for you to meet some of our art historians, and perhaps even to take a look at the College's art collections, if that would be of interest.

In closing, I have discussed the Bader Prize with Professor Robin Clark, who is delighted that you would like to meet his year's recipient. Since I know that the Provost, Sir Derek Roberts, is also very keen to meet with you and Isobel we would very much like to arrange a small lunch or dinner at UCL, perhaps sometime early in the New Year? I am conscious that you spend much of your time outside of the UK so if you are agreeable to our suggestion I wonder whether you could suggest some dates which would be convenient for you? We would then work around these to make the necessary arrangements.

With kind regards

Yours sincerely

Rachel Hall
Director of Development

cc. Professor Robin Clark

UCL

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

A Chemist Helping Chemists

January 22, 1997

Professor Robin J.H. Clark, FRS
Head, Department of Chemistry
Christopher Ingold Laboratories
University College London
20 Gordon Street
London WC1H 0AJ
England

Dear Robin:

Thank you for your letter of January 16th regarding financial help for Miss Amanda Hardy.

Robin, there must be hundreds of worthy students around Britain who need financial help. How do we pick these intelligently? Hence, Isabel and I have refrained from helping individuals but rather set up scholarships for very able students and bursaries for disadvantaged ones.

You know how hard Tony Deeming and Sally Price have worked to establish the bursaries at UCL and that we want to continue in perpetuity. Also their help has allowed us to go ahead and establish similar bursaries at Edinburgh University and we hope to move to other urban universities shortly.

Regarding the scholarships, I was puzzled why University College is the only one among many that has reduced the amount of the scholarship on which we agreed initially. I much look forward to hearing about that and hopefully to have the matter corrected.

I am a life member of the Royal Institution but unfortunately cannot be at your lecture on March the 7th.

With all good wishes, I remain,

Yours sincerely,

AB/nik

University College London
Chemistry Department
Christopher Ingold Laboratories
20 Gordon Street
London WC1H 0AJ

Tel: 0171-387 7050
Fax: 0171-380 7463

Dr Alfred Bader
2961 North Shepard Avenue
Milwaukee
Wisconsin 53211
USA

19 March 1996

Dear Alfred,

Thank you very much for the cheque for $15,000 for the bursary scheme for 1996/97 which I have passed on. Sally and I are very happy to explain what we are doing to people in the Universities of Edinburgh, Glasgow and Birmingham. We will produce a few pages to decribe the scheme including the summer school and the costs involved. We look forward to your visit in May or July. The summer school will be on the 4th and 5th of July and of course we will be very busy on those two days but please feel free to come whenever it suits you best.

Yours sincerely,

Tony

Professor A J Deeming

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

A Chemist Helping Chemists

March 29, 1996

Professor Robin J.H. Clark, FRS
Head, Department of Chemistry
Christopher Ingold Laboratories
University College London
20 Gordon Street
London WC1H 0AJ
England

Dear Robin:

In response to your kind letter of March 19th, there appears to be a misunderstanding.

Of course, Isabel and I are happy about the way that the bursary scheme is being handled so very carefully, and I have already sent my check to cover the cost of the next year. But of course, we plan to continue the funding for more than just one year. It is just that at the moment, interest rates paid are so low that it makes better sense to pay for one or several years.

In any case, I look forward to being back in London at the end of May and most of July and will discuss all the details then. Please just don't think for a moment that we want to fund the scheme for just one further year.

With all good wishes, I remain,

Yours sincerely,

AB/cw

c: Professor Anthony Deeming

University College London
Christopher Ingold Laboratories
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R. J. H. Clark FRS
Sir William Ramsay Professor and
Head, Department of Chemistry

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

19 March 1996

Dear Alfred,

I understand from Dr Cooper that you have agreed to continue to fund your bursary scheme for disadvantaged students for a further year. I'm writing to thank you most sincerely for doing this. The scheme is a really good one, and Tony Deeming and others are working very hard indeed to make it successful.

Thank you again – we do appreciate your generosity, as do the students who derive the benefit.

Yours sincerely,

Professor R.J.H. Clark

cc. 52 Wickham Avenue, BEXHILL ON SEA, E Sussex
Dr R E Cooper

RJHC/djm

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20 Gordon Street
London WC1H 0AJ

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Dr Alfred Bader
2961 North Shepard Avenue
Milwaukee
Wisconsin 53211
USA

19 March 1996

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Yours sincerely,

Tony

Professor A J Deeming

Bader Bursaries in Chemistry
The UCL Scheme

These notes were prepared by Tony Deeming to whom enquiries about the UCL Scheme should be directed.

Professor Tony Deeming
Department of Chemistry
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20 Gordon Street
London WC1H 0AJ

Tel: 0171-387-7050 X 4705
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e-mail: a.j.deeming@ucl.ac.uk

1. INTRODUCTION

The UCL Scheme was initiated in 1993 school with the financial support of Dr Alfred Bader when we ran the first summer school. The first students to receive bursaries were registered for degree courses in 1994 and the first Bader Bursary students will be graduating in 1997.

Many state schools in poorer districts have difficulties in encouraging students from certain home backgrounds to take A-levels and to opt for higher education in science, including some students with obvious talent. The Deering report to come out next year will address the problem of encouraging young people from poor backgrounds into higher education. State comprehensive schools in inner city areas commonly have poor records of sending students on to university. There are various reasons for this including low individual expectations, poor encouragement from parents and friends and, increasingly, financial problems. The UCL Chemistry Department is trying, with the help of sponsorship by Dr Alfred Bader, to support promising students with various disadvantages of background that do not encourage them to study chemistry. As well as supporting particular students we hope that disadvantaged schools feel we are offering them some encouragement by supporting their students and this may have a knock-on effect with other students not directly supported.

The Scheme is to award four bursaries each year to incoming students. These awards are £1000 for each year of the three-year BSc or four-year MSci degree. The bursaries are awarded to students coming from state comprehensive schools, generally in city areas and in communities with low traditions of higher education. Students are nominated by teachers and selected after a visit by the sixth-former to UCL to talk with tutors. We put considerable weight in selecting suitable students on the confidential reference from the schoolteacher and on our interview with the students.

2. OPERATION OF SCHEME

The major challenge in running the Scheme is to identify and select suitable students of appropriate background for the award. Clearly students from poor schools are unlikely to be well qualified in terms of A-level grades and therefore we need to assess potential carefully. This part of the operation is very time-consuming and although, this is closely linked with our other recruitment efforts, we would not

recommend any department to consider operating a scheme of this kind solely for the purposes of increasing recruitment. We attempt to identify appropriate students in the following ways:

a. Mailing to Schools

We have produced a mailing list of schools, mainly within 50 miles of UCL, that we know from experience and from our personal contact with teachers do have low traditions of sending students to university. Nearly all schools on our mailing list are state comprehensives and not grant-maintained, grammar or independant schools. The latter schools will, no doubt, have the occassional suitable student from a poor family background, but in general the very fact that the student is in such a school will be a sufficient inducement to consider higher education. We explain the UCL Scheme to teachers and ask them to nominate students for an award.

Comments on this approach: Teachers are very busy and get bombarded by mail. As a result we only get about 8 nominations by this methods. Nominated students are invited to come to UCL to talk with us, either at the Summer School or on an UCAS afternoon. As we talk face-to-face with teachers from disadvantaged schools, we get considerable encouragement for what we are doing and we believe that we are slowly building up interest in the awards.

b. Summer School (AIMS, Adventures in Molecular Science)

We also mail the same group of disadvantaged schools to advertise AIMS, a two-day residential summer school at UCL, specifically designed to encourage and enthuse students at the end of their first year in the sixth form (normally 17-year olds). The school runs at the beginning of July for about 50 participants and contains an afternoon of laboratory work, lecture-demonstrations, visits to research laboratories, tutorials in groups of four or five, talks and presentations and discussion sessions. Students are accommodated for one night in a hall of residence. Because unfortunately we cannot run a summer school in term-time when undergraduates are around, we encourage contact between participants and our postgraduate students who were first-degree students at UCL. Our students take the sixth-formers to lunch and dinner, demonstrate to them in the teaching laboratories and are involved in demonstrating their research. It is important to talk individually with the participants during the two days to assess their suitability. We subsequently follow up with letters to teachers of the summer school participants.

Comments on this approach:
a. Response from students and their teachers is very positive. Most students say in a questionnaire that they have a much better appreciation of chemistry as a degree subject following the school. Some students become very enthusiastic but go eventually to other universities but a significant number have applied to UCL and a few have entered with bursaries and some without.

b. A problem is to get the right students attending. We strongly emphasise to teachers that we do not want them to send us students who are inclined towards engineering, medicine, pharmacy etc. Capable students who are keen on chemistry or are genuinely still making up their minds about their future are encouraged to attend. However, ever year we get some attending who have no real intention of studying chemistry beyond A-level.

c. Most particpants comment on the helpful and friendly manner of UCL staff and students and this is very important. In setting up the school we rely on a core of dedicated people in the department who are prepared to give their time and efforts and without this the summer schools would fail. The time required

to design, administer and run a summer school should not be underestimated. Purely as a recruitment method it is not cost-effective, but schools become aware of the efforts of UCL on their behalf and this leads to building relations between schools and UCL, and a high degree of mutual trust.

d. Teachers are enthusiastic about what we are doing and generally encourage their students to attend.

c. UCAS Days at UCL

All intending students at UCL are required to spend a day with us and are invited to come in groups of 24. All students identified by methods **a** and **b** above are encouraged to apply to study chemistry at UCL and are invited along with normal UCAS applicants for interview. We also pick out a few additional students from those who apply who would seem from school reports and students statements to be potential Badar Bursary students. All potential Bader Bursary students are then carefully interviewed for 30 minutes by the same few UCL staff involved in the Scheme to assess the suitability of the students.

Following the interview successful students are offered bursaries by mail. To accept a bursary the student must firmly accept our offer of a place on a chemistry BSc or MSci degree course and about 80% of students offered a bursary do this.

Comments on this approach: Sensitive interviewing is essential since we need to touch on rather private areas relating to family background. Sometimes we are unable to appraise the student properly because he/she is not forthcoming.

3. FINANCIAL REQUIREMENTS

Our initial costings were based on the award of four new bursaries annually. We assumed that there would be four suitable students each year to be made awards, that there would be no drop-out, and that the awards would be for three years.

Summer School: We budgetted for 50 students at £50 for each, i.e. £2500 each year. This estimate was based on £1000 for overnight accommodation, £700 for food and drinks, £300 for student demonstrators, £200 for mailshots, £300 for course manual, laboratory consummables etc. There is no provision for the cost of secretarial and staff time and overheads.

Projected costs:

	Year 1	Year 2	Year 3	Year 4	Year 5
Bursaries:	£4000	£8000	£12000	£12000	£12000
Summer School:	£2500	£2500	£2500	£2500	£2500
Total costs:	£6500	£10500	£14500	£14500	£14500

Actual Costs we have incurred

	Year 1	Year 2	Year 3 (estimate)	Year 4 (estimate)	Year 5 (estimate)
New awards	3	4	4	4	4
Total awards	3	7	10	12	12
Bursaries	£3000	£7000	£10000	£12000	£12000
Summer School	£2650	£2664	£2500	£2500	£2500
Total costs:	£5650	£9664	£12500	£14500	£14500

The cost of the summer school over the last three years has been around £2600 and we believe we will be able to continue with this level of support over the next few years. The cost of the bursaries was below estimate because we did not made the estimated number of awards in Year 1.

4. PROGRESS OF OUR BURSARY STUDENTS

All students have progressed through the course without mishap except for one student who is taking a year out for health reasons. Her award will continue when she rejoins the course. The continuation of awards after the first year are dependant upon satisfactory academic progress. So far all bursary students have progressed satisfactorilly. One of our final-year students last year was in serious financial difficulties and was about to drop out. We awarded him an exceptional Bader Bursary for one year and he has now graduated with BSc (2i). Since the original planning we have gone over to running four-year MSci as well as three-year BSc degrees. How many bursary students will progress to the fourth year is still unknown but we would like to extend the awards to the fourth year.

5. GENERAL COMMENTS AND NOTES

- We are making contact with 17-year olds, but attitudes to science develop at an earlier age. I doubt if we could have much effect through the Scheme to encourage students into chemistry who had not already developed some interest in it. The department has a recruitment programme directed at sixth-forms but does often involve 13 or 14 year olds in our visits to schools. However, the UCL Scheme does not formally involve young students prior to A-levels.

- Since we are contacting schools in poorer city areas, a significant proportion of students coming forward are from ethnic minorities. We are seeking ways to make better contact with a representive section of the whole community.

- Several of the applicants we consider have had particular problems. We come across students from one-parent families with financial problems, students with unemployed parents, students with sibblings or parents with serious health problems, refugees, young students with dependants of their own and are therefore forced to work while doing A-levels. We believe the Scheme should be flexible enough to take into account all the particular circumstances of students.

- Although the UCL Scheme formally administered by the Departmental Recruitment Committee, we feel that it would be misguided to consider the Scheme as an effective recruitment method. The work involved in making contact with schools, in organising and running summer schools, in communicating with and assessing potential students, *etc* is not justified in straight recuitment terms. The value of the Scheme must lie in the personal development and achievements of those supported by the Scheme.

- The UCL Scheme is managed by Professor Tony Deeming, but the awards are made by a small panel including Tony Deeming (Chairman of the Recruitment Committee), Sally Price (Admissions Tutor, now replaced by Derek Tocher), Fred Pearce (Departmental Tutor). Fred Pearce as Departmental Tutor monitors the academic progress of each bursary student who also has a personal tutor to follow their progress and give guidance.

R. J. H. Clark FRS
Sir William Ramsay Professor and
Head, Department of Chemistry

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

19 March 1996

Dear Alfred,

I understand from Dr Cooper that you have agreed to continue to fund your bursary scheme for disadvantaged students for a further year. I'm writing to thank you most sincerely for doing this. The scheme is a really good one, and Tony Deeming and others are working very hard indeed to make it successful.

Thank you again – we do appreciate your generosity, as do the students who derive the benefit.

Yours sincerely,

Professor R.J.H. Clark

cc. 52 Wickham Avenue, BEXHILL ON SEA, E Sussex
Dr R E Cooper

RJHC/djm

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

A Chemist Helping Chemists
March 14, 1996

Professor Anthony J. Deeming
Department of Chemistry/Christopher Ingood Laboratories
University College London
20 Gordon Street
London WC1H 0AJ
England

Dear Tony:

Thank you so much for your letter of March 4th and the details of the bursaries fund. I am glad to note that you are keeping track so carefully, and I enclose my check for U.S. $15,000, made out to the Friends of University College, to cover the 1996-7 requirements.

At the moment, interest rates are so low that it does not make sense to capitalize the fund. However, I note that you are receiving interest and even some capital gain, and so I would like to discuss with you during our next visit paying for the bursaries for some time in advance.

As I have explained to you, we would like to consider this fund at University College as a sort of pilot scheme and then to suggest to other British universities to consider a similar scheme. The next schools we would like to approach are the universities in Edinburgh, Glasgow and Birmingham, and I hope that you will not mind if I suggest to the academics there that they may like to contact you and Sally to discuss the details.

Also, during my next visit, I would like to put together a few pages showing the details of your summer school and of the costs involved.

We plan to be in England during the last week of May and most of July, and of course I will telephone you to inquire when might be a good time for a visit. Actually, I will be in London the entire week of July 1st, but that being the time of the summer school, it may not be a good time for a visit.

With all good wishes to you, Sally, Willie, and all our friends at University College, I remain,

Yours sincerely,

AB/cw

University College London
Chemistry Department
Christopher Ingold Laboratories
20 Gordon Street
London WC1H 0AJ

Tel: 0171-387 7050
Fax: 0171-380 7463

Dr Alfred Bader
2961 North Shepard Avenue
Milwaukee
Wisconsin 53211
USA

4 March, 1996

Dear Alfred,

I enclose an estimate of our requirements for 1996/97 which will be necessary to continue the scheme as in previous years, together with a statement of the expenditure incurred on past summer schools and on bursaries provided by our accounts section. As you will see we would like to be able to make awards of four new bursaries to students arriving in September and we have based the estimate for 1996/97 on this. We would like ten students to receive bursaries next year: six students continuing from this academic year and four students starting in September.

Sally and I have looked at your autobiography with much interest and have made this available to other people in department through the departmental library.

Plans are going ahead for a summer school on July 3 and 4 and we are at present assessing students for bursaries in the coming year.

My very best wishes,
Yours sincerely,

Tony Leaming

Department of Chemistry, University College London
Statement on Bader Bursaries Fund
January 1996

(Figures in £sterling)

	1993/94	1994/95	1995/96	ESTIMATE FOR 1996/97
Balance b/f		6549.29	1652.26	4489.06
Income	6690.77		11322.12	9000.00
Interest		465.57	457.21	450.00
Capital gain (est)		146.98	721.25	
	6690.77	7161.84	14152.84	13939.06
Summer School				
Student demonstrators	141.48	495.38	450.84	
Laboratory Supplies		304.10	303.88	
Food and Accommodation		1590.10	1803.06	
Teas and coffees		120.00	90.00	
Miscellaneous			16.00	
	141.48	2509.58	2663.78	2500.00
Bursaries	0	3000.00	7000.00	10000.00
TOTAL SPEND	141.48	5509.58	9663.78	12500.00
Contingency				1250.00
BALANCE IN HAND	6549.29	1652.26	4489.06	189.06
	6690.77	7161.84	14152.84	13939.06

Requirement for 1996/97 = £9000 ($14400)

University College London
Development Office
Gower Street
London WC1E 6BT

Tel: 0171-391 1624
Fax: 0171-209 0117
E-mail: m.freeman@ucl.ac.uk

c 4123
Dec 27

Director, Alumni Relations: Michael Freeman

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

31st January 1995

Dear Dr Bader,

The cheque that you drew in favour of Friends of UCL and sent to Tony Deeming, has been forwarded to me (as were the previous donations) for processing.

I am writing in the first instance to add my thanks to those of Tony Deeming on behalf of College.

I think I should advise you that our bank in New York may not credit us with the money because the cheque was not drawn in the way the previous two were in favour of the UCL Friends and Alumni Association Inc. but rather in favour of the Friends of UCL. If that is the case I hope you won't mind if I return the cheque to be redrawn. As soon as it is cleared I will arrange for the full amount to be transferred for the benefit of the Chemistry Department.

Thank you very much again for your continued support.

Yours sincerely

Michael Freeman

Michael Freeman

cc Professor Anthony J. Deeming
Mr R E Cooper
Professor Robin Clark,
Mr I Bartlett

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

December 30, 1994

Professor Anthony J. Deeming
Chemistry Department
University College London
20 Gordon Street
London WC1H 0AJ
England

Dear Tony,

Thank you so much for all the time which you spent with us, explaining your progress in the summer school in chemistry. I found the description and accounting very understandable.

To continue for another year, you will require approximately $18,000, and my check in that amount is enclosed.

Next year, we will be in a better position to decide whether this scheme is really productive. Please don't think for a moment we have to continue simply because we have started. It may well be that you and your colleagues will feel that some other approach to help disadvantaged students may be more productive. We can discuss that next year.

Surely you know that Isabel and I want to help both University College and disadvantaged students in Britain.

All good wishes to you and your colleagues for 1995.

Sincerely,

Enclosure

BADER BURSARIES

Department of Chemistry
University College London

Review 1994

The scheme started with an AIMS summer school in July 1993. This targetted students at the age of 16/17 who might be seeking entry at university in October 1994. Thus we have had experience of the first round of the process. The outcome is that of the students that applied for bursaries as a result of the 1993 summer school, none were able to reach the rquired entry standards. During the period October 1993 to March 1994 students were interviewed and five offers were made to four British students and one Ugandan student who were identified to be within the appropriate category. These came from widely different bachgrounds, each in their own way perceived to be markedly disadvantaged. Of these five students, three have joined us with a bursary.

1. Catherine Kane.

School: William Ellis Comprehensive School. An inner London state comrehensive school with a restricted record of sending students to higher education.

Background: Her father is a milkman and her family is one which would not easily consider university for their children.

Interview: She is a pleasant girl with a very positive attitude but academically not a high-flyer at first encounter. However, we felt that she did have potential given the right encouragement.

failed

Outcome: Although she was predicted by her school to get grades C, C and D in her three A-levels, we offered her a place in the department and a bursary, conditional on her qualifying for entry. She accepted the offer but unfortunately she performed very poorly in her examinations and failed in two subjects. We were therefore not in a position to admit her.

2. Francesca Caraffini.

Declined

An only child from a family whose father was unemployed. She was at a state school in Streatham and showed great talent in chemistry. She declined our offer choosing to study elsewhere. We hope she will do very well.

3. Steven Komakech.

School: He came to the UK from Uganda and studied at Hounslow Borough College (a state education college with 150 out of 4700 going on to higher education each year) from Sept 1990 till June 1992.

Background: He was a refugee from Uganda and applied to

enter UCL in October 1993. His A-level grades are quite poor (Chemistry D, Physics E and Biology D) and barely reach our minimum entry standards. Unfortunately he was unable to find the finance to study so withdrew and spent a year working to try to raise money. In the meantime he has achieved the residence qualifications in the UK to receive a local education authority grant. He is now 22 years old, four years older than normal for entry. He lives in Hounslow with his sister who has also settled in this country.

Interview: He is very keen on chemistry and is prepared to work hard to succeed in chemistry. His very positive attitude was considered sufficient to override his basically poor academic qualifications.

Outcome: He is now in our first year and has been awarded a bursary which will help considerably in removing his financial problems. Our impressions of him up to now are good. He is working hard and shows considerable promise and enthusiasm but it is still to be seen whether he can make up the deficiencies in his background.

4. Lyndsey Molkenthin.

School: Peterborough Regional College (state education). She chose to study beyond 16 at this college which has large numbers of students, only some of whom study A-levels and get to university.

Background: Fairly typical working family.

Interview: She appeared to be very shy and lacking in confidence, but on getting to know her in interview, she appears to have strengths and resilience.

Outcome: She is now in her first year with a bursary, although her A-level grades were lower than predicted (Biology A, Chemistry D and Mathematics D). She seem to be settling in and starting to open up and respond to our teaching.

5. Alan Wong.

School: Irlam and Ladishead Community High School, Manchester. A typical state school in an urban community.

Background: His father works in a fish-and-chip shop. There is a low family income and he has a disabled sister who demands quite a bit of the family resources and for whom he feels particular responsibility.

Interview: A quiet student who is academically quite promising.

Outcome: He gained quite good A-levels (Chemistry A, Mathematics B, Physics C) and has entered our first year with a bursary.

Of the five students to whom we offered bursaries, only three have finally come to UCL, entering in 1994. We will follow their progress with care and interest.

In July 1994 we held the second AIMS summer school with 52 attending. Following this we mailed schools asking for nominations for bursaries. So far four applications have arrived and more are indicated. However, several students who came to AIMS this year have now applied for our chemistry courses but not for a bursary. Since we were only able to make three awards in 1994, we should consider making five awards in 1995 if this is appropriate.

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Chemistry Department
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20 Gordon Street
London WC1H 0AJ

Tel: 071-387 7050
Fax: 071-380 7463

BADER BURSARY FUND

Estimate of requirements up to the end of the 1995/96 academic year, assuming that the three present bursary students continue to make satisfactory progress through their course and that we are able to find five suitable students for awards, entering in September 1995.

Bursaries 1995/96 academic year

1994 entry (second year)	£3000.00
1995 entry (first year)	£5000.00

AIMS 1995

Expenses for the 2-day summer school	£2500.00

AIMS 1996

Expenses for the 2-day summer school	£2500.00

Total:	£13000.00	
Balance in hand:		£1505.28

Sum required to run the scheme as above to Sept 1996:	£11494.72

N US + 18000

BADER BURSARY FUND

Income b/f Aug 93			6690.77
Interest			465.57
AIMS 93			
Demonstrating	141.48		
		141.48	
AIMS 94			
Demonstrating	495.38		
Lab Supplies	304.10		
Accomodation	1152.60		
Luncheon Vouchers	437.50		
Tea and Coffee	120.00		
		2509.58	
Bursaries		3000.00	
TOTAL SPEND		5651.06	
BALANCE IN HAND		1505.28	
		7156.34	7156.34

BADERB.WKS

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Dr Alfred Bader
52 Wickham Avenue
Bexhill-on-Sea
East Sussex TN39 3ER

11 September 1994

Dear Alfred,

I enclosed the two pages of your autobiography with additions in red. We have offered Bader Bursaries to three students who will be starting degree courses in a few weeks. Letters have been sent to all the students who came to AIMS in June and to their teachers asking for applications/nominations for bursaries for 1995. These students will be applying for university this autumn and we will have another chance to talk with applicants when they come for interview. I will also mail a larger number of state schools in the kind of locality we are considering, including those schools who asked to send students to AIMS but there were insufficient places.

I look forward to seeing you again at the lab dinner in November.

Best wishes.
Yours sincerely,

Tony

Professor A J Deeming

~~of our differences over the library~~ he would countermand it. ~~And~~ So I agreed, provided I could come to Aldrich ~~at 10 a.m. that day~~ in an hour and we would mail the check to the A.C.S. then and there. This we did. All's well that ends well.

Of course, as so often, this fight was an ego trip, satisfying for the help it gave Project SEED, impossible to get from the company in any other way. I was reminded of what the late Don Hazelhorst, a director, said to me after a particularly difficult argument with ~~Cori~~ Tom and ~~Fischer~~ Aaron, "Nice guys don't always finish last."

David was probably not as amused as I was when he received a letter from Prof. Ochrymowycz saying that "The volumes will be placed in our library with a dedication to Dr. Alfred Bader and Aldrich Chemical Company in recognition of the donors' generosity."

When I told Marvin about all of this, he replied, "The solution to the matter of your books was, indeed, most satisfactory. Although neither of us could think of it at the time, there was a very good reason for your holding off on signing the German share transfer document."

And of course I hope that Aldrich's $25,000 will help the continuation of Project SEED II.

There is no Project SEED in Britain, and so Isabel and I have tried to get one started on a small scale. For years many of our academic friends in London have been at University College, and recently Willy Motherwell has become professor of organic chemistry there, moving from Imperial College where he was one of the ablest and most caring teachers. We agreed to fund four bursaries for three years for students from areas with predominately poor traditions of higher education. University College planned to have a two-day summer school, inviting about 50 students, getting to know them during the two days and then awarding the

bursaries. Unfortunately plans for 1993 had to be changed, the "summer school for sixth formers" was cut back to one day in June, and that day was filled up almost completely with demonstrations, lunch, tea and biscuits--with hardly any time to get to know the students. Only 40 students came, five applied for bursaries and 3 were awarded to students starting university in 1994. ~~and 1 were given~~. In 1994 ~~52 came~~ ****** 52 attended a two-day summer school and these will be considered for bursaries in 1995.

We hope that this scheme will have proved successful by 1995, that we can then fund it fully and suggest that other urban universities in Britain try it.

In 1966, Marvin and I set up the Bader Klitsner Fund of the Milwaukee Jewish Community Foundation with gifts of Aldrich stock and later Sigma-Aldrich stock, and along with the Helen Bader Foundation have funded many educational projects ~~have been funded~~ in Israel. We also tried to help a co-educational Jewish high school in Milwaukee, but money alone could not assure success. We were, of course, wondering how such a school would have helped David and Daniel if only it had been in existence at the time. But some right wing orthodox rabbis in Milwaukee strenuously objected to ~~such~~ a co-ed school and it failed after struggling for eight years. How short sighted! ~~can they get!~~

My roots are in the Czech Republic, a victim of geography if there ever was one. The Czechs are a down-to-earth, hard-working people. Under Thomas Masaryk, Czechoslovakia was one of Europe's most democratic countries with a high standard of living. We have tried to help Czech students in chemistry and art history. Don't think for a moment that is easy.

In art history, we suggested a travelling fellowship of $15,000 for a student to study any baroque artist anywhere for six months. As we didn't know how to fund this in perpetuity nor whether it would really work, we pledged $15,000 a year for three years. In 1993, the first year, only two art historians applied. The younger was chosen, a man of 41 with an established

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W. B. Motherwell
Alexander Williamson Professor of Chemistry

4th October '94.

Dear Alfred,

Many thanks for the copy of your letter to Tony Deering, which I have just received on my return from a Canadian visit which included Queens. What a delightful spot.

Professor Deering, is indeed elusive and I have yet to track him down. On my reading of the manuscript of your autobiography, you have presented the British Project SEED very clearly and I therefore give my approval to your onwards.

I look forward to seeing you and Isabel again very soon.

With very best regards as always,

Willie

When I told Marvin about all of this, he replied, "The solution to the matter of your books was, indeed, most satisfactory. Although neither of us could think of it at the time, there was a very good reason for your holding off on signing the German share transfer document." And of course I hope that Aldrich's $25,000 will help the continuation of Project SEED II.

There is no Project SEED in Britain, so Isabel and I have tried to get one started on a small scale. For years many of our academic friends in London have been at University College, and recently, at the end of 1993, Willy Motherwell has become professor of organic chemistry there, moving from Imperial College where he was one of the ablest and most caring teachers. We agreed to fund four bursaries for three years for students from areas with predominately poor traditions of higher education. University College planned to have a two-day summer school, inviting about 50 students, getting to know them during the two days and then awarding the bursaries. Unfortunately plans for 1993 had to be changed, the "summer school for sixth formers" was cut back to one day which was filled up almost completely with demonstrations, lunch, tea and biscuits--with hardly any time to get to know the students. Only 40 students came, five applied for bursaries and one was given. In 1994, 52 students attended the two-day summer school which we hope will result in more applications. If this scheme proves successful by 1995, we plan to fund it fully and suggest that other urban universities in Britain try it also.

W. B. Motherwell
Alexander Williamson Professor of Chemistry

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20th June '94

Dear Alfred,

Robyn and I were delighted to learn – (albeit that we are usually the last to know!) that you are to receive the 1995 Persons Award of the American Chemical Society. Allow us to add our congratulations and best wishes to both of you, even although you will probably read this on your return from Europe.

It is good to know that justice will eventually be seen to be done, even if one has to be patient, and the prize, for public service and humanitarian behaviour will give pleasure, not only to you, but to your friends all over the world.

With very best personal regards as ever,

Yours, Willie

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Dr Alfred Bader
2961 North Shepard Avenue
Milwaukee
Wisconson 53211
USA

15 June 1994

Dear Alfred,

Arrangements for the summer school (AIMS) are now well advanced. There were over 90 applications to attend the school but we were only able to take 55 of these. I think we have been able to produce an exciting programme including most of the important aspects of university student life: accommodation in a hall of residence, lectures, laboratory work (each student will tackle two experiments), a tutorial with a member of staff looking after 5 or 6 students, and two demonstrations of chemistry (Let there be light and Looking at the Elements). We will be working the students hard but there are times during the two days for our staff and students to talk with the participants, to get to know them and to answer their queries.

Immediately after the school I will be writing to all the teachers who have sent students.

Also in the same week we have 70 chemistry schoolteachers attending a course called Chemistry Update which is designed to encourage them in their work and to discuss problems related to interesting children in chemistry. We have charged teachers a course fee to cover all expenses for that course. Both AIMS and Chemistry Update rely heavily on contributions from our younger staff members whose enthusiasm should ensure the success of these ventures.

Please let me know if there is anything more we can do for you with respect to AIMS.

Best wishes.
Yours sincerely,

Tony

Professor A J Deeming

AIMS

ADVENTURES IN MOLECULAR SCIENCE

A SUMMER SCHOOL FOR SIXTH-FORMERS

Monday and Tuesday, June 27 and 28 1994

DEPARTMENT OF CHEMISTRY
UNIVERSITY COLLEGE LONDON

This is a two-day residential Summer School to allow sixth-formers at the end of their first year of A-level studies to gain a wider appreciation of Chemistry as a subject for study beyond A-level. Emphasis will be on how Chemistry can lead to great intellectual satisfaction, to useful practical and theoretical knowledge, and to a firm scientific base on which to base future career prospects.

PROGRAMME

MONDAY 27 JUNE

Students should arrive at the Chemistry Department between 10.30 and 11.00. The registration desk will be just inside the front door of the Department.Overnight bags will be stored safely till 18.15.

For the practical work in the afternoon, students should bring *calculators, laboratory coats and safety glasses*. If this is a problem, please let us know and we will do what we can to provide these.

10.30 Coffee and biscuits in the Nyholm Common Room on the first floor of the Chemistry Department. Welcome to the UCL Department of Chemistry by Professor Robin Clark FRS (Head of Department).

11.00 LET THERE BE LIGHT: A Lecture-Demonstration by Drs Andrea Sella and Steve Price showing how light is important in chemistry.

12.00 DOING CHEMISTRY IN A COMPUTER. An illustrated talk by Dr Sally Price.

12.30 Lunch with UCL chemistry students in the lower refectory.

13.15 WHAT GOES ON IN UNDERGRADUATE LABORATORIES.
A talk by Professor Tony Deeming and Dr Derek Tocher.

13.45 EXPERIMENTAL WORK, PART 1.
Sixth-formers will work in small groups with the help of staff and students in the Department to carry out some experiments designed for Chemistry undergraduates.

15.45 Tea and biscuits in the Nyholm Common Room

16.15 EXPERIMENTAL WORK, PART 2.

18.15 Depart for Ramsay Hall. Students will pick up their bags if these have been stored and they will be escorted over to Ramsay Hall (Ten minutes walk) where they will collect their keys for their study-bedrooms.

19.00 Dinner in Ramsay Hall with some students and staff of the Chemistry Department.

TUESDAY 28 JUNE

7.30-8.45 Breakfast in Ramsay Hall (Cafeteria Service)

8.45 Students will be escorted from Ramsay Hall to the Chemistry Department.

9.00 CHEMICAL SENSORS: FROM RESEARCH TO PRODUCTION.
A talk by Professor David Williams

9.30 WEIGHING MOLECULES.
A talk by Dr Steve Price

10.00 MODERN METHODS IN CHEMICAL RESEARCH, PART 1.
Participants will divide up into small groups to visit two areas of research activity in the department.

10.30 Coffee and biscuits in the Nyholm Room.

11.00 MODERN METHODS IN CHEMICAL RESEARCH, PART 2.

11.30 WHY ORGANIC CHEMISTRY?
A talk and discussion on organic chemistry at the end of the 20th century.

12.00 Lunch with UCL Chemistry students in the lower refectory.

13.30 CATALYSING CHEMICAL REACTIONS
A talk by Professor Tony Deeming

14.00 A TUTORIAL IN CHEMISTRY.
Participants will divide into small groups for a tutorial on certain topics in chemistry.

14.45 CHEMISTRY AT UNIVERSITY: Information and advice for participants.
A discussion session.

15.15 Tea and biscuits.
There will be an opportunity to talk to UCL members of staff and students about anything arising from this Summer School.

15.45 LOOKING AT THE ELEMENTS
A lecture-demonstration on the elements and their behaviour by Drs Graeme Hogarth and Ivan Parkin.

16.45 End of AIMS

CHEMISTRY-UPDATE 1994

Friday 1st July
Department of Chemistry
University College London

PROGRAMME

10.30 Nyholm Common Room, Department of Chemistry.
Welcome with coffee and biscuits.

SESSION 1

11.00 Introduction by Professor Tony Deeming.

11.05 Why is Chemistry difficult?
Dr Stuart Bennett (Department of Chemistry, Open University)

Is chemistry an intrinsically difficult and demanding study or do we as teachers help make it so? Some thoughts on the teaching of chemical theory and practice that may explain why so many students perceive chemistry to be difficult and inaccessible.

12.00 Trends and Perspectives in Materials Chemistry.
Dr Kenneth Harris (Lecturer in Chemistry ar UCL with research interests in solid-state chemistry).

Increasing chemical research is being devoted to the investigation of fundamental properteis of solids and their applications. It is crucial that a modern chmical curriculum reflects important developments in rapidly evolving fields of this type. The talk will highlight some key areas of materials chemistry with emphasis on the benefits from both academic and industrial viewpoints.

12.30 Lunch in UCL Refectory.

13.15 Coffee in the Nyholm Room and a time for informal discussions between teachers in schools and university.

SESSION 2

14.00 Contemporary Issues In Chemical Education.
Professor Richard Kempa (Department of Education, Keele University).

Recent and current changes in the school science curriculum have considerable consequences for the future shape of A level and similar programmes in chemistry, as well as for chemical education at university level. During the lecture, some of these consequences will be examined, with particular reference to the structure of public examinations in chemistry and the secondary-tertiary interface.

15.00 So Simple, So Difficult: Stereoisomerism and Conformations.

Dr Edgar Anderson (Senior Lecturer in Organic Chemistry at UCL with interests in molecular dynamics of organic molecules).

If you teach these topics well, students will all be nodding their heads in understanding, but a good answer in an examination will still be hard to come by. No solutions are promised, but maybe rehearsing the problems will help.

15.30 Tea and biscuits in the Nyholm Room.

SESSION 3

16.00 Vibrating molecules.
Dr Ivan Parkin (UCL chemistry lecturer with research interests in synthesis and characterisation of inorganic materials).

This lecture details a number of ways of preparing samples for infrared spectroscopy and explains, with a few case studies, the use of IR techniques in forensic science and the food industry.

16.30 Aromaticity: Benzene and its Brethren.
Professor Peter Garratt (UCL organic chemist with interests in organic synthesis, including compounds related to melatonin and other biologically active molecules).

The shape, size, spectra, and chemical properties of benzene are well known, but the reasons for its unexpected stability are still in dispute. Benzene and its brethren can be based on benzene units, like naphthalene, or can have 4, 8, 10, 18 or more membered rings. Some of these compounds are of great industrial importance, some are curiosities, many are biologically important and some are harmful.

17.00 "Let there be light," said the Chemist.
Drs Andrea Sella and Steve Price. (Two members of UCL staff, both with interests in the practical demonstration of chemical principles).

A DIY excursion into photochemistry with the aid of a Polomint, a pickled onion, an air-ship, a tee-shirt, and the rear-end of a firefly.

17.45 Close of Chemistry Update 1994.

FAX FROM

DR. ALFRED R. BADER
Suite 622
924 East Juneau Avenue
Milwaukee, Wisconsin 53202
Telephone 414-277-0730
Fax No. 414-277-0709

May 18, 1994

To: Professor W. Motherwell
Chemistry Department
University College London 011 44 71 380 7463

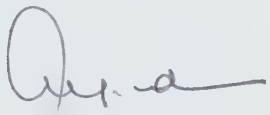
Dear Willie:

In response to your kind letter of May 11th, I still haven't heard from Professor Deeming. However, we will be leaving soon to attend the meeting of the Chemical Institute of Canada and then fly over to Gatwick.

If at all possible, we would like to adjust our plans to be at University College during the two days of the "Summer School". Please do fax us just the dates.

Many thanks.

Best regards from house to house,



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Dr Alfred Bader
2961 North Shepard Avenue
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Wisconson 53211
USA

WM 7533
AB 4705

14 May 1994

Dear Alfred,

Unfortunately I have been away for a month working in Venezuela. I do apologize for taking so long to reply to your letter. We have scheduled the two-day summer school for Monday June 27 and Tuesday 28 June 1994 and I enclose the flier that has been mailed to about 400 schools. Some response is starting to come in and I am confident that this year we will be able to put on a successful meeting for these students. Please let me know if you will be able to attend some or all of the summer school. We would be delighted for you to come. I know you would like to talk informally to the young students attending. The students will be accommodated for the night of the Monday in Ramsay Hall which will give them a good idea of student accommodation since this Hall is very typical. I am organising dinner in the Hall in the evening for our students and staff to meet the school students socially and, of course, you would be most welcome.

The final programme is still to be determined and I will send you a copy of this when it is ready. I have been getting some of the younger staff members to develop material suitable for 17 year olds and I think we will have a very good programme.

Incidentally in the same week on the Friday I have organised a chemistry schoolteachers conference and we have over 60 teachers coming to UCL. I feel very strongly that schoolteachers need input from each other and from ourselves to continue to produce enthusiastic teaching and a one-day meeting of this kind can help in this respect.

Best wishes.
Yours sincerely,

Tony

Professor A J Deeming

W. B. Motherwell
Alexander Williamson Professor of Chemistry

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London WC1H 0AJ

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11th May 94

Dear Alfred,

Many thanks for your letter of the 4th May. I had to have received your earlier copy of the letter to Professor Hanson, and since he had sent your offer to Simon at that time, I left him a note saying that I be kept informed of the progress and please.

Even though he is a consultant chemist, I finally managed to track him down, and he was pleased to send us all details to your probability! Let me know if the dates suit you and I have somewhat very much to convey your, and hopefully indeed, we shall a study.

With very best regards as ever,

Wilfred

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

May 4, 1994

Professor W. Motherwell
Department of Chemistry
University College London
20 Gordon Street
London WC1H 0AJ
England

Dear Willie:

I wrote to Professor Deeming on March 23 and enclose copy of my letter. I have not received a response and wonder whether Professor Deeming is sick.

In any case, would you please let me know when in June the two-day workshop for high school students will be held.

We much look forward to seeing you in June or July.

Best wishes.

As always,

Enclosure

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

March 23, 1994

Professor Anthony Deeming
Department of Chemistry
University College London
20 Gordon Street
London WC1H 0AJ
England

Dear Tony:

I still remember with great pleasure our fruitful discussion about the bursaries last December, and I very much hope that you will have a good two-day summer school for six formers in June. Could you please let me know the exact dates and when the fliers are ready to be sent to the schools, please send me a copy.

Isabel and I will be in and out of England several times this summer, and if at all possible would like to be at University College during one of the days of summer school and much look forward to your Friday evening dinner in November.

I listened to a very exciting lecture by Professor David Crich on his last years' work at the University of Illinois in Chicago yesterday afternoon, and we then had dinner with him. I sense that he is really enjoying his work with eleven PhD students, and yet I am sure that he cannot help but miss his many friends at University College.

All good wishes to you and your associates.

Sincerely,

PROPOSAL FOR A BURSARY SCHEME
Department of Chemistry, University College London

BADER BURSARIES IN CHEMISTRY

OBJECTIVES:

This bursary scheme will be to encourage and enable students to study chemistry who would be unlikely to do so otherwise.

Students will qualify because of their potential talent in chemistry and would, in general, come from Schools and Colleges without a strongly established tradition of sending students to study chemistry at university. The Scheme is to encourage talented students with various disadvantages of background to take full unencumbered advantage of higher education in chemistry.

SELECTION OF STUDENTS:

We will identify about 100 schools with a relatively poor record in sending students to university, mainly because their catchment areas do not foster the prospect of university education. We will ask those schools to nominate up to two students from their first year sixth form who are studying chemistry with a particular interest and aptitude for the subject and who might benefit from a first-hand experience of chemistry at university in a two-day Summer School. The list of schools will be annually reviewed to ensure that the scheme operates as intended and schools will not normally be on the list for more than three years.

A selection of nominated students (about 50) will be invited to attend a two-day Summer School in the Chemistry Department at UCL to experience modern chemistry as encountered by chemistry undergraduates. The School will include laboratory work, lectures, demonstrations, and tutorials to give them a flavour of undergraduate life. The course and accommodation will be free to students but they will need to pay for their own travel.

After the course, students will be selected for the award of Bursaries of £1000 p.a. In practice the award of the bursaries should not be linked too obviously to attendance at the Summer School so as to avoid devaluing the School by making it overtly competitive.

The great value of such a method of selection is that more students would benefit than those successful in receiving awards. We hope that two days at university will excite many students to apply for studies in chemistry at university whether or not they receive awards.

CRITERIA FOR SELECTION:

The following criteria will be considered in making selection for the awards:

The nature of the school for sixth-form studies.

The academic potential of the student as assessed by a school report and UCL's assessment of the student at the course.

1st [illegible]	[illegible]	
[illegible]	10500	Jan 95
[illegible]	14500	Jan 96
[illegible]	14500	

In recent years we have a good record of admitting excellent students with low examination grades by careful interviewing, for example, this year three students with below average A level grades obtained first class degrees.

CONDITIONS OF THE AWARD:

The student must study for a BSc degree course in the Chemistry Department at UCL (currently 7 different degree courses are available).

The initial award of a Bursary will depend upon the students being qualified to enter a degree course in chemistry at UCL and continuation of the award for a second and third year will depend upon academic progress allowing admittance into those years.

VALUE OF THE BURSARIES:

£1000 p.a. is totally insufficient to fund a student through university. However, we envisage that many of the students will receive maintenance grants from Local Education Authorities. The maximum value of these means-tested grants has been fixed so that they are increasingly inadequate. A Government loan scheme is in operation to fill the increasing gap between grants and the substantially higher real cost of maintenance. It appears that students from disadvantaged backgrounds are those least prepared to encumber themselves with debt. Accordingly these bursaries are likely to encourage such students since the need to borrow would be eliminated or reduced.

COSTS:

We believe that the scheme will operate most successfully if linked to a selection procedure based on Summer Schools. The costs would then be as follows:

Schools: 50 students annually to attend a Summer School at a cost of £50 each.

Bursaries: 4 Bursaries of £1000 to be awarded annually and to be held for three years provided that the candidates work is satisfactory.

SUMMER SCHOOL FOR SIXTH-FORMERS:

We envisage that the £50 per student will cover:

Accommodation for one night in a College Hall of Residence, lunches and evening meal (£35).
Payment of postgraduate demonstrators and tutors.
Cost of advertising the course and for the manual and handouts at the course.
Cost of communicating with students and schools.

The Department of Chemistry will supply:

Staff time for setting up and running the course.
Laboratory space, equipment, chemicals and other consumables.
Secretarial assistance in setting up, advertising and running the course.
Technical staff for the laboratory and demonstrations.

Students will be expected to pay for travel.

University College London
Chemistry Department
Christopher Ingold Laboratories
20 Gordon Street
London WC1H 0AJ

Tel: 071-387 7050
Fax: 071-380 7463

Dr Alfred Bader
52 Wickham Avenue
Bexhill-on-Sea
East Sussex TN39 3ER

29 June 1994

Dear Alfred,

I was a pleasure to have Elizabeth visit our department for the summer school. I did not get the opportunity to ask for her views at the end of the afternoon but Sally Price told me that she had asked about what feedback we would get. We asked the students to fill in a questionnaire and we got 47 responses out of the 52 attending the course. I enclose the originals of these as I have a photocopies for myself.

I am trying at the moment to work out from these responses and by talking with UCL staff and students what the consequencies of AIMS has been. We specifically asked teachers to send students studying chemistry at A level who were showing a leaning towards chemistry and had talents in that direction. Of students studying chemistry up to 18 years of age in Britain, only about 5% follow a career in chemistry and many are studying it because they need the subject for other reasons. Clearly a number attending AIMS were in this category. When the students arrived the majority were very nervous and took some time to relax and to feel able to ask questions and talk freely but I think that overall we were able to communicate at a personal level with a large proportion of the participants. Overall 35 UCL staff and students were involved on the course and spent time talking with the school children. I believe that having the two days does help to further our objectives of communicating with the school children effectively and I am sure that we are such a friendly department that students are happy to talk with us.

I do believe that we were successful in conveying the idea that chemistry could provide an enjoyable, challenging and useful career, that it is multifaceted, and that many people find great satisfaction from it.

I would welcome your comments.

Best wishes.
Yours sincerely,

Tony

Professor A J Deeming

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

September 27, 1994

Professor Anthony J. Deeming
Chemistry Department
University College London
20 Gordon Street
London WC1H 0AJ
England

Dear Tony,

I am sorry that you have not replied to my fax about the bursaries. Perhaps you are travelling, or are reluctant to reply without specific information.

However, I have had to send the manuscript of my autobiography to the editor and enclose what I have written.

I do hope that you will approve. Of course we could make minor changes in the galleys.

All good wishes.

Sincerely,

Enclosure
c: Prof. W. Motherwell

When I told Marvin about all of this, he replied, "The solution to the matter of your books was, indeed, most satisfactory. Although neither of us could think of it at the time, there was a very good reason for your holding off on signing the German share transfer document." And of course I hope that Aldrich's $25,000 will help the continuation of Project SEED II.

There is no Project SEED in Britain, so Isabel and I have tried to get one started on a small scale. For years many of our academic friends in London have been at University College, and recently Willy Motherwell has become professor of organic chemistry there, moving from Imperial College where he was one of the ablest and most caring teachers. We agreed to fund four bursaries for three years for students from areas with predominately poor traditions of higher education. University College planned to have a two-day summer school, inviting about 50 students, getting to know them during the two days and then awarding the bursaries. Unfortunately plans for 1993 had to be changed, the "summer school for sixth formers" was cut back to one day which was filled up almost completely with demonstrations, lunch, tea and biscuits--with hardly any time to get to know the students. Only 40 students came, five applied for bursaries and one was given. In 1994, 52 students attended the two-day summer school which we hope will result in more applications. If this scheme proves successful by 1995, we plan to fund it fully and suggest that other urban universities in Britain try it also.

University College London
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20 Gordon Street
London WC1H 0AJ

Tel: 071-387 7050
Fax: 071-380 7463

Dr Alfred Bader
2961 North Shepard Avenue
Milwaukee
Wisconson 53211
USA

11 August 1994

Dear Alfred,

I have just got back from a period in Japan to find your letter of 11 July. I am glad to hear that you would like to attend our Lab dinner on Friday 18 November and I have made sure that Dr Thirunamachandran has your name on the invitation list. You will hear from him in due course. This will be a good opportunity to assess the progress of the bursaries.

My best wishes to you and Isabel.
Yours sincerely,

Tony

Professor A J Deeming

FAX TRANSMITTAL SHEET

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211
Telephone 414 962 5169
FAX 414 962 8322

September 20, 1994

TO: Professor Anthony J. Deeming
Chemistry Department - University College London
011 44 71 380 7463

Dear Tony:

Thanks for your kind reception on September 2nd. I am sorry I have not heard whether the one student actually came to UC as a result of last year's open day.

I am close to the deadline for my autobiography and would like to include:

> "There is no Project SEED in Britain, and so Isabel and I have tried to get one started on a small scale. For years many of our academic friends in London have been at University College, and recently Willy Motherwell has become professor of organic chemistry there, moving from Imperial College where he was one of the ablest and most caring teachers. We agreed to fund four busaries for three years for students from areas with predominately poor traditions of higher education. University College planned to have a two-day summer school, inviting about 50 students, getting to know them during the two days and then awarding the bursaries. Unfortunately plans for 1993 had to be changed, the "summer school for sixth formers" was cut back to one day in June, and that day was filled up almost completely with demonstrations, lunch, tea and biscuits--with hardly any time to get to know the students. Only 40 students came, five applied for bursaries and one was given. That student did (or did not?) come to UC. ?
>
> "In 1994 fifty-two students came to the two-day summer school and ___ bursaries were offered. ?
>
> "We don't really know whether the effort will succeed; perhaps UC is approaching students too late in their high school lives. If it is successful by 1995, we will then try to fund it fully and suggest that other urban universities in Britain try it also. If unsuccessful, we will work with UC to try to make the scheme more interesting."

Please fax me this week. Thanks.

Please do comment

Best regards, also to Willy

Alfred

FAX FROM

DR. ALFRED R. BADER
Suite 622
924 East Juneau Avenue
Milwaukee, Wisconsin 53202
Telephone 414-277-0730
Fax No. 414-277-0709

44 71 380 7463

To: Prof. A J. Fleming

Dear Tony:

Thanks for your fax of Sepr. 29

I am sorry not to have seen letter to Bexhill. It will be easy to make the changes

Good luck

and best regards

Alfred

30 IX. 94.

R. J. H. Clark FRS
Sir William Ramsay Professor and
Head, Department of Chemistry

University College London
Christopher Ingold Laboratories
20 Gordon Street
London WC1H 0AJ

Tel: 071-387 7050 Ext. 4620
Direct Line: 071-380 7457
Fax: 071-380 7463

Dr and Mrs A Bader
2961 North Shepard Avenue
MILWAUKEE
Wisconsin 53211
USA

5 October 1994

Dear Alfred and Isobel,

It is a pleasure to invite you both most warmly to be our guests at the Lab Dinner on Friday 18 November 1994 at 1800 for 1900. This is an annual event to which past and present members of the research school are invited, and typically has an attendance of circa 100. The guest speaker is Lord Lewis.

We shall meet for drinks at 1800 in the Nyholm Room in the Christopher Ingold Building at 20 Gordon Street, and shall move over to the Old Refectory at 1900.

I shall be grateful if you will let me know whether you can accept this invitation. We shall be delighted if you can.

Yours sincerely,

Robin Clark

Professor R.J.H. Clark

RJHC/djm

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

October 13, 1994

Professor R. J. H. Clark, Head
Department of Chemistry
University College London
20 Gordon Street
London WC1H 0AJ
England

Dear Robin,

Thank you so much for your invitation to join you at the Lab Dinner on Friday, November 18th. Isabel and I accept with pleasure.

Best personal regards,

aldrich chemical company, inc.

CONTACT REPORT

Copies to:

Report No.

Date 11/1/92

By

Department

Other Persons Accompanying:

Persons Interviewed and Position

1. K Sheehan
2.
3. Dr TD Inch
4.
5.

Company Name and Address:

RSC

Send catalog to: 1 2 3 4 5

Add to mailing list: 1 2 3 4 5

REPORT:

[illegible]

[illegible]

[illegible]

[illegible] J Kenny RSC

ex BP PhD Bham

Approved by: Date:

Form A40 Rev. 12/80

15106

Copies to:

aldrich chemical company, inc.

CONTACT REPORT

Report No. _____

Date 12/7/93

By AB

Department _____

Other Persons Accompanying:

Persons Interviewed and Position

1. Prof A. Deeming
2. _____
3. _____
4. _____
5. _____

Company Name and Address:

UCL

Send catalog to: 1 2 3 4 5

Add to mailing list: 1 2 3 4 5

REPORT:

N 200 schools

Two days for next year.

Approved by: _____ Date: _____

Form A40 Rev. 12/80

15106

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

November 12, 1993

Professor R. J. H. Clark
Head, Department of Chemistry
University College London
20 Gordon Street
London WC1H 0AJ

Dear Robin:

Thank you for your kind invitation to the lab dinner on Friday, November 19th.

As I mentioned during my last visit in July, Isabel and I very much look forward to attending this fun annual event.

We plan to be in the Chemistry Department a little earlier, particularly to greet Willie Motherwell and to discuss the progress of the bursaries.

All good wishes.

Sincerely,

R. J. H. Clark FRS
Sir William Ramsay Professor and
Head, Department of Chemistry

University College London
Christopher Ingold Laboratories
20 Gordon Street
London WC1H 0AJ

Tel: 071-387 7050 Ext. 4620
Direct Line: 071-380 7457
Fax: 071-380 7463

Dr and Mrs A Bader
2961 North Shepard Avenue
MILWAUKEE
Wisconsin 53211
USA

15 October 1993

Dear Alfred and Isabel,

It is a pleasure to invite you and Isabel most warmly to be our guests at the Lab Dinner on Friday 19 November 1993 at 1800 for 1900. This is an annual event to which past and present members of the research school are invited, and typically has an attendance of circa 120. The guest speaker is Sir Ronald Mason KCB.

We shall meet for drinks at 1800 in the Nyholm Room in the Christopher Ingold Building at 20 Gordon Street, and shall move over to the Old Refectory at 1900.

I shall be grateful if you will let me know whether you can accept this invitation. We shall be delighted if you can.

Yours sincerely,

R.J.H. Clark

cc. 52 Wickham Avenue, BEXHILL ON SEA, East Sussex, UK

RJHC/djm

UNIVERSITY COLLEGE LONDON

Gower Street London WC1E 6BT Tel: 071-387 7050 Direct Line: 071-380 7234

Fax: 071-388 5412 Telex: 28722 UCPHYS G

Provost: Dr D. H. Roberts, CBE, FRS, FEng

ET

28 September 1993

Dr Alfred Bader
2961 North Shepard Avenue
Milwaukee
Wisconsin 53211
USA

Dear Dr Bader

I must thank you for your generous support for our Chemistry Department and to Professor Motherwell.

I do hope that whenever you next visit the UK you might have time to come to UCL and give me a chance to thank you personally and to tell you of our plans in organic chemistry and related areas.

Yours sincerely,

Dr D H Roberts
Provost

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

August 6, 1993

Professor Robin Clark, Chairman
Department of Chemistry
University College
20 Gordon Street
London WC1H 0AJ, England

Dear Robin:

Thank you so much for your kind reception last month, and for sharing with me the details of your efforts to recruit students under the bursary scheme. Isabel and I already look forward to being with you again on Friday, November 19th.

Let me share with you some concerns I have about the bursary scheme. You will recall that originally you planned for a two-day summer school, and to invite approximately 50 students, then to be able to pick four for the bursaries. Now, on June 29th you had a one-day summer school, with 40 students and five applicants, and you don't think that four may be suitable for the bursaries.

Of course I understand that when you start with such a scheme, not too many students will apply, and so I am not surprised that only 40 students attended, and only five applied. What concerns me much more is that the meeting was held only one day, during which little time could be spent for the staff to get to know the students individually. If at all possible, let me urge you to hold the meeting for two days next year, and the staff will then have much more time for personal interaction.

You know that Isabel and I are committed to this scheme for three years and that during the third year we want to take counsel with you, Professors Tony Deeming, Willie Motherwell and Steven Ley to decide whether the scheme has really been a success, and then take it from there, as discussed.

Best personal regards to you and your associates.

Sincerely,

c: Professors T. Deeming, S. Ley, W. Motherwell

UNIVERSITY COLLEGE LONDON

Professor W B Motherwell
c/o Professor R H Cox
Department of Chemistry

Dear Professor Motherwell

[illegible] confirm [illegible] by Dr Bader, which is to be used [illegible] Department of Chemistry, will attract no indirect costs charges by the College.

[illegible]

Planning and Resources

University College London
Chemistry Department
Christopher Ingold Laboratories
20 Gordon Street
London WC1H 0AJ

Tel: 071-387 7050
Fax: 071-380 7463

Dr A Bader
52 Wickham Avenue
Bexhill-on-Sea
East Sussex
TN39 3ER

14 December 1993

Dear Alfred,

I enclose a list of schools that we mailed last year with invitations to send students to the Summer School and to invite applications for bursaries. All these schools are state schools and mostly comprehensive schools with unselected entry or sixth-form colleges which accept students for A-level studies from the whole local area. Of course, none are fee-paying. Even so, each school will have some highly deprived students and some who are more fortunate. As you know we aimed at areas with predominantly poor traditions of higher education. The best schools (not on this list) get 70% or even more into higher education but other are fortunate to get as many as 5%. A covering letter went out to the teachers explaining what we are trying to achieve and encouraging applications for bursaries from students that were thought to be appropriate.

Best wishes for 1994,
Yours sincerely,

Tony

First mailing for Summer School

List of favoured schools

Speedwell School	Bristol	Avon BS15 1NU	The Head of Chemistry	A C (
Whitefield Fishponds School	Bristol	Avon BS16 2HD	The Head of Chemistry	A C (
St George School	Bristol	Avon BS5 9JH	The Head of Chemistry	A C (
Fairfield Grammar School	Bristol	Avon BS6 5JW	The Head of Chemistry	A G (
St Thomas More RC School	Bristol	Avon BS7 9NH	The Head of Chemistry	A C (
Locklease School	Bristol	Avon BS7 9XT	The Head of Chemistry	A C (
Luton Sixth Form College	Luton	Beds LU2 7EW	Mr W Sellicks	H C (
Loxford High School	Ilford 081-514-4666	Essex IG1 2UT 503-8583	~~Mr Steve Barrie~~ Mrs Atkin The Head of Chemistry	H C (
Barnet College of Further Education	Barnet	Herts EN5 4AZ	Ms Angela Melamed	H)
Hillside School	Borehamwood 081-953-1852	Herts WD6 1HN	The Head of Chemistry	H C
Nicholas Hawksmoor School	Borehamwood 081-953-3137	Herts WD6 5LG 081-953-0946	MR THOMPSON The Head of Chemistry	H C
Mount Carmel RC High School	Accrington	Lancs BB5 0LU	The Head of Chemistry	A C (
Bishop Challoner School		London E1 0AB	Mr M Chyriwsky	H C
Mulberry School for Girls	Commercial Road 071-790-6327	London E1 2JP	The Head of Chemistry	H C
Leyton Sixth Form College		London E10 6EQ	Mr A Booth	H C (
Waltham Forest College		London E17 4JB	Mrs Golledge	H
Sir George Monoux 6th Form College	Walthamstow 081-527-2518	London E17 5AA	Dr Street The Head of Chemistry	H
Haggerston School	Hackney	London E2 8LS	The Head of Chemistry	H C (
Raine's Foundation School		London E2 9LY	The Head of Chemistry	H
Central Foundation Girls' School		London E3 2AE	The Head of Chemistry	H C
Clapton School	Hackney	London E5 0RB	The Head of Chemistry	H C (
Hackney College	Kenninghall Road 081-985-8484	London E5 8BP	The Head of Chemistry	H
Hackney Downs School	Hackney	London E5 8NP	The Head of Chemistry	H C (
Plashet School — NO SIXTH FORM	East Ham	London E6 1DG	Mr T R Malhi	H
Newham Community College	High Street South	London E6 4ER	Dr Mike Jenkinson The Head of Chemistry	H
Stratford School	Newham	London E7 9PR	The Head of Chemistry	H
Hackney College	Dalston Lane	London E8 1LJ	Mr C Thompson	H
Hackney College	89-115 Mare Street	London E8 4RG	The Head of Chemistry	H
Hackney Sixth Form Centre		London E9 5BX	Mr T Cooper The Head of Chemistry	H
Cardinal Pole RC Secondary School	Hackney	London E9 5RB	The Head of Chemistry	H C (
~~Homerton House School~~ Hackney 6th Form Centre	Hackney 081-986-8144	London E9 6EB	No 6th form The Head of Chemistry	H C (
Hackney Free and Parochial CE School	Hackney	London E9 6NR	The Head of Chemistry	H C (
Central Foundation Boys' School		London EC2A 4AP	The Head of Chemistry	H C
City & East London College		London N1 6BX	The Head of Chemistry	H F
Islington Green School		London N1 8PQ	The Head of Chemistry	H C
Fortismere Comprehensive School	Muswell Hill	London N10 1NE	The Head of Chemistry	H C (
College of N E London	Bounds Green	London N11 2QF	The Head of Chemistry	H
College of North East London		London N15 4RU	Dr L Parker	H
Our Lady's Convent High School	Stoke Newington	London N16 5AF	The Head of Chemistry	H C
The Skinners' Company's School for Girls		London N16 5RS	The Head of Chemistry	H C
Highbury Fields School		London N5 1AR	The Head of Chemistry	H C
Highbury Grove School		London N5 2EG	The Head of Chemistry	H C
St Aloysius College		London N6 5LY	M N Wesley	H U
Holloway School		London N7 0JG	The Head of Chemistry	H C
North London College		London N7 0SP	The Head of Chemistry	H C N
Islington Sixth Form Centre		London N7 6EX	Ms Keren Abse	H C V
South Camden Community School		London NW1 1RG	The Head of Chemistry	H C B
Maria Fidelis Convent School		London NW1 1TA	The Head of chemistry	H C V
Francis Holland School	Ivor Place	London NW1 6XR	Mrs Berberian	H I
Haverstock School		London NW1 8AS	The Head of Chemistry	H C V
La Sainte Union Convent School		London NW5 1HD	The Head of Chemistry	H C (

List of favoured schools

Parliament Hill School (LASWAP)		London NW5 1RL	The Head of Chemistry	H	C
William Ellis School		London NW5 1RN	The Head of Chemistry	H	C
Acland Burghley School (LASWAP)		London NW5 1UJ	The Head of Chemistry	H	C
Camden School for Girls	071	London NW5 2DB	Ms C Rees	H	C
College of N W London	South Kilburn	London NW6 5RS	Dr G Pirie	H	F
Queen's Park Community School	Brondesbury Park	London NW6 7AD	Dr P ~~E Devitt~~	H	
Lambeth College		London SE1 2JR	Miss C A Ariyo	H	
St Saviour's & St Olave's School	Southwark	London SE1 4AN	The Head of Chemistry	H	C
Southwark College	071-815-1500 ✓	London SE1 8NL	Mr Steve Flowerday ✓	H	C
Archbishop Tenison's School		London SE11 5SR	The Head of Chemistry	H	C
Warwick Park School	Southwark	London SE15 5DZ	The Head of Chemistry	H	C
Bacon's College	Rotherhithe	London SE16 1AG	Mr M Browne	H	C
Aylwin School	Southwark	London SE16 3TZ	The Head of Chemistry	H	C
Woolwich College	Plumstead	London SE18 7PN	The Head of Chemistry	H	
St Joseph's College	Upper Norwood	London SE19 3HL	The Head of Chemistry	H	
Waverley School	Southwark	London SE22 0NR	The Head of Chemistry		C
Kidbrooke School	081-856-~~0115~~ 2211	London SE3 8EP	Miss Lynne Marjoram		C
Thomas Tallis School	Greenwich	London SE3 9PX	The Head of Chemistry	H	C
South East London College	081-692-~~0033~~ ✓ Blackheath Hill	London SE4 1UT	~~Dr D Fonseca~~ Fonseca	H	F
Hatcham Wood School	Lewisham	London SE4 2NY	The Head of Chemistry	H	C
Sacred Heart RC Secondary School	Southwark	London SE5 0RP	The Head of Chemistry	H	C
Southwark Sixth Form Centre		London SE5 7EW	The Head of Chemistry	H	C
Catford County Girls' School	Catford	London SE6 2PS	The Head of Chemistry	H	C
Woolwich College	081-855-0322 ✓	London SE7 8LN	Ms Margaret (Maggie) Knights	H	F
Eltham Hill School	Greenwich	London SE9 5EE	The Head of Chemistry	H	C
Ernest Bevin School	Tooting Bec	London SW17 7DF	Mr A Irwin	H	
South Thames College		London SW18 2PP	The Head of Chemistry	H	
Pimlico School		London SW1V 3AT	The Head of Chemistry	H	C
Burlington Danes CE School	Wood Lane	London W12 0HR	The Head of Chemistry	H	
Hammersmith School	Shepherd's Bush	London W12 0RQ	The Head of Chemistry	H	
Cardinal Vaughan Memorial School		London W14 8BZ	The Head of Chemistry	H	
Hammersmith & West London College ✓	Barons Court CE 1-74	London W14 9BL	Ms Gweneth J Hughes	H	
~~Acton High School~~ No 6th form	~~Acton~~	~~London W3 8EY~~	~~Ms D Straughn~~	~~H~~	~~C~~
Acton College 081-993-2344 ✓	Acton	London W3 8UX	Dr J Everett	H	F
Drayton Manor High School	Hanwell	London W7 1EU	Mr R Hammond		
Brentside High School	Hanwell	London W7 1JJ	The Head of Chemistry	H	C
Kingsway College	Grays Inn Road	London WC1H 8JB	Mr John Nolan	H	F
Croxteth Community Comprehensive School	Liverpool	Merseyside L11 0BD	The Head of Chemistry	A	C
Speke School	Liverpool	Merseyside L24 0TP	The Head of Chemistry	A	C
Pope John Paul High School	Liverpool	Merseyside L24 2UB	The Head of Chemistry	A	C
Netherley School	Liverpool	Merseyside L27 3YA	The Head of Chemistry	A	C
Breckfield Community Comprehensive Schoo	Liverpool	Merseyside L54RX	The Head of Chemistry	A	C
Our Lady of Fatima School	Liverpool	Merseyside L6 2HN	The Head of Chemistry	A	C
Nugent School	Liverpool	Merseyside L7 3HL	The Head of Chemistry	A	C
St Mary's High School	Liverpool	Merseyside L8 3TF	The Head of Chemistry	A	C
Shorefields Community Comp. School	Liverpool	Merseyside L8 9SJ	The Head of Chemistry	A	C
Wembley High School	Wembley 904-5066 x229	Middx HA0 3NT	Mr M Hayes	H	
Greenhill Tertiary College	Harrow	Middx HA1 3AQ	The Head of Chemistry	H	
St Dominic's Sixth Form College *	Harrow on the Hill	Middx HA1 3HX	Head of Chemistry	H	
Hounslow Borough College	Isleworth	Middx TW7 4HS	Head of Chemistry	H	F
Villiers High School	Southall	Middx UB1 3BT	The Head of Chemistry	H	C

List of favoured schools

Dormers Wells High School	Southall	Middx UB1 3HZ	The Head of Chemistry	H
Swakeleys School	Hillingdon	Middx UB10 0EJ	The Head of Chemistry	H C
Featherstone High School	Southall	Middx UB2 5HF	The Head of Chemistry	H C
Northolt High School	Northolt	Middx UB5 4HW	The Head of Chemistry	H C
Walford High School	Northolt	Middx UB5 5LQ	Miss S Gunasekera	H
Greenford High School	Greenford	Middx UB6 9RX	The Head of Chemistry	H C
Uxbridge College	Uxbridge	Middx UB8 1NQ	The Head of Chemistry	H
Hall Cross Comprehensive School	Doncaster	S Yorks DN1 2HY	The Head of Chemistry	A C
Edlington Comprehensive School	Doncaster	S Yorks DN12 1HH	The Head of Chemistry	A C
Northcliffe Comprehensive School	Doncaster	S Yorks DN12 3JS	The Head of Chemistry	A C C
High Storrs School	Sheffield	S Yorks S11 7LH	The Head of Chemistry	A C
Silverdale School	Sheffield	S Yorks S11 9RT	The Head of Chemistry	A C
All Saints RC School	Sheffield	S Yorks S2 2RJ	The Head of Chemistry	A C
Wath Comprehensive School	Wath upon Dearne, Rotherham	S Yorks S63 7NW	The Head of Chemistry	A C
Dearnside Comprehensive School	Barnsley	S Yorks S63 9EW	The Head of Chemistry	A C C
Mexborough School	Doncaster	S Yorks S64 9SD	The Head of Chemistry	A C C
Abbeydale Grange School	Sheffield	S Yorks S7 2GU	The Head of Chemistry	A C
Selhurst Tertiary Centre	Croydon	Surrey	Dr Barbara Wilson	H F
Hornsey School		London N8 9JF	The Head of Chemistry	H C U
The Latymer School		London N9 9TN	Miss Baker ~~Dr P W Barnard~~	H C
St Richard of Chichester School	Royal College Street	London NW1 9LY	The Head of chemistry	H C U
Hampstead School		London NW2 3RT	The Head of Chemistry	H C U
Christ the King VI Form College		London SE13 5DZ	Alida Burdett	H C
Addey & Stanhope School		London SE14 6TJ	The Head of Chemistry	H C

University College London
Gower Street
London WC1E 6BT

Tel: 071-387 7050 Ext. 7132
Direct Line: 071-380 7132

Fax: 071-383 0529

Director, Alumni Relations: Michael Freeman

2 February 1993

Dr Alfred Bader
2961 North Shepard Avenue
Milwaukee
Wisconsin
53211

Dear Dr Bader

Thank you very much indeed for the cheque for $10,400. Your contribution is to a bursary to be awarded by the Chemistry Department. I have forwarded your cheque to our bank in New York for further processing.

May I take the opportunity of enclosing some further literature about the College including some current publications.

Yours sincerely

Michael Freeman

Michael Freeman

Enclosed: Literature

UCL

R. J. H. Clark FRS
Sir William Ramsay Professor and
Head, Department of Chemistry

University College London
Christopher Ingold Laboratories
20 Gordon Street
London WC1H 0AJ

Tel: 071-387 7050 Ext. 4620
Direct Line: 071-380 7457
Fax: 071-380 7463

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

25 January 1993

Dear Alfred,

We are most grateful for the cheque for $10,400.00 for the Bader Bursaries.

We will discuss with Steve Ley the wording of the publicity leaflet for the scheme and keep you informed of progress.

With many thanks and best wishes.

Yours sincerely,

R.J.H. Clark

RJHC/djm

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

January 19, 1993

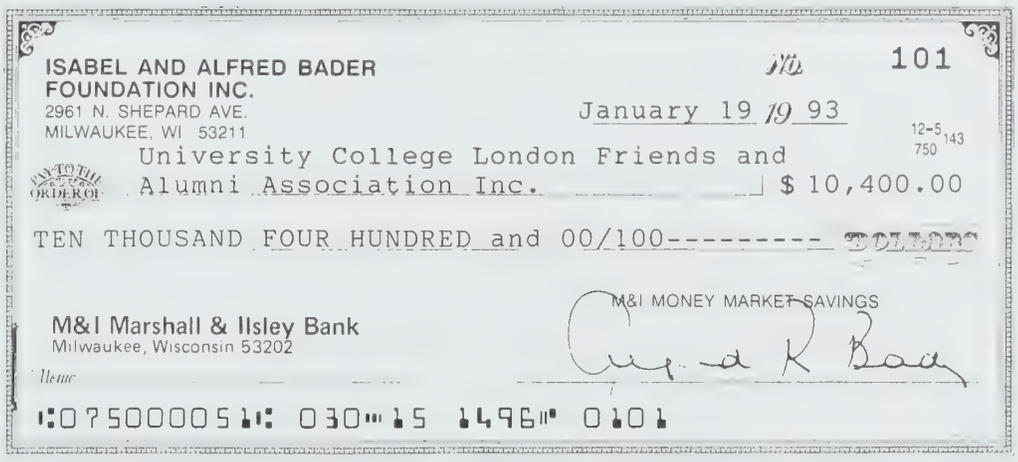
Mr. Michael Freeman
Director Alumni Relations
University College London
Gower Street
London WC1E 6BT
England

Dear Mr. Freeman:

Enclosed please find my check for $10,400.00, the equivalent of approximately L6,500.00 sterling, which is our contribution to bursaries to be awarded by the Chemistry Department of University College, as discussed in detail with Professor Robin J. H. Clark.

Best regards.

Sincerely,


ISABEL AND ALFRED BADER
FOUNDATION INC.
2961 N. SHEPARD AVE.
MILWAUKEE, WI 53211

No 101

January 19 19 93

12-5 143
750

PAY TO THE ORDER OF University College London Friends and Alumni Association Inc. $ 10,400.00

TEN THOUSAND FOUR HUNDRED and 00/100--------- DOLLARS

M&I MONEY MARKET SAVINGS

M&I Marshall & Ilsley Bank
Milwaukee, Wisconsin 53202

Memo

⑆075000051⑆ 030⑈15 1496⑈ 0101

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

January 19, 1993

Professor Robin J. H. Clark
Head, Department of Chemistry
University College London
20 Gordon Street
London WC1H 0AJ, England

Dear Robin:

Thank you for your letter of January 6th. As you will see from my letter to Mr. Freeman, I am sending a check in the amount of $10,400.00 from the Isabel and Alfred Bader Foundation, made out to University College London Friends and Alumni Association Inc. It is not easy to get that long a name onto a check! Please do let me know when the first bursaries are awarded, and you have my assurance that next year and the year following you will receive the equivalent of L10,500 and L14,500 for these bursaries. After three years, we will take counsel with you and Steven Ley about the usefulness of this scheme.

I cannot think of a better choice for the Alexander Williamson Chair than Willie Motherwell. He will, I am certain, make a great difference to your Department. I presume that he will not begin until autumn, and we look forward to seeing you and him in May.

All good wishes.

Sincerely,

Enclosures

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

January 18, 1993

Dr. and Mrs. W. Motherwell
Department of Chemistry
Imperial College
London SW7 2AY
England

Dear Robyn and Willie,

Thank you for your gracious note and good wishes.

If you do decide to go to University College, please let me know when your work will begin as I would like to send University College a modest check to be used by you purely to help your research students for those little extras, like going to meetings, etc.

Fond regards, and all good wishes,

R. J. H. Clark FRS
Sir William Ramsay Professor and
Head, Department of Chemistry

University College London
Christopher Ingold Laboratories
20 Gordon Street
London WC1H 0AJ

Tel: 071-387 7050 Ext. 4620
Direct Line: 071-380 7457
Fax: 071-380 7463

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

6 January 1993

Dear Alfred,

I thank you for your very warm and supportive letter. We are delighted that the scheme to help students can now go ahead, and I can assure you that the first summer school will be held this year. I am not sure whether we will release any bursaries this year or not; the plans are still in hand.

We shall, of course, discuss the working and operation of the scheme with Steve Ley. We will keep you informed as to progress; the Chairman of my Recruitment Committee, Professor Tony Deeming, has this in hand.

We are delighted with our choice of Willie Motherwell for the Alexander Williamson Chair, but we do not know yet whether he is prepared to accept it. The College's financial position, as judged by the Provost, is such that we could not get even near to Willie's stated financial needs. In this context, your offer of support will be a great help, and *extremely* timely. We are trying to bring matters to a head within two weeks from now.

With my very best wishes to you and Isobel.

Yours sincerely,

R.J.H. Clark

Enc. Copy of a letter I received from Michael Freeman.

RJHC/djm

University College London
Gower Street
London WC1E 6BT

Tel: 071-387 7050 Ext. 7132
Direct Line: 071-380 7132

Fax: 071-383 0529

Director, Alumni Relations: Michael Freeman

4 January 1993

Professor R Clark
Department of Chemistry

Dear Robin

As you already know!

GRANTS AND DONATIONS FROM THE USA

TAX EXEMPTION

American tax payers who give grants or donations to UCL can claim tax exemption on those donations. The University College London Friends and Alumni Association Incorporated has been registered as an American charity and the Federal Internal Revenue Service allows tax-paying donors, whether they are former students or not, to claim tax exemption on donations they make.

Cheques must be made payable to University College London Friends and Alumni Association Inc and forwarded to me at this office or to Peter Hoenig at the registered office of the Association in New York for processing. We have a NatWest Bank Account in New York and funds will be transferred from it to the College account here.

The Provost is Chairman of the Directors of the Association, alumnus Peter Hoenig is secretary, Cathy Giangrande of the Institute of Archaeology is another Director and there are two other non-executive Directors. I am, for the time being, Chief Executive of the Association, known as the President!

Please contact me if you would like more information.

Yours sincerely

Mike

Michael Freeman

The registered office of the University College London Friends and Alumni Association Incorporated is Biedermann, Hoenig, Massamillo and Ruff, 733, Third Avenue, New York, New York 10017.

University College London
Gower Street
London WC1E 6BT

Tel: 071-387 7050 Ext. 7132
Direct Line: 071-380 7132

Fax: 071-383 0529

Director, Alumni Relations: Michael Freeman

17 December 1992

Professor RJH Clark FRS
Chemistry

Dear Professor Clark

USA DONATIONS TO UCL

Our lawyers advise that donors, can make tax-exempt donations to us by making payments to:

The University College London Friends and Alumni Association Incorporated

The donor, who need not be a UCL alumnus, will need to know, that we have an Employer Identification Number (EIN) which is 13-3634775 and that the Internal Revenue Service has registered us so that donations can be offset against the donor's federal taxes.

The full paperwork from the IRS is attached and if it helps you can forward it to Dr Bader.

Yours sincerely

Michael Freeman.

Michael Freeman

Papers attached

University College London
Chemistry Department
Christopher Ingold Laboratories
20 Gordon Street
London WC1H 0AJ

Tel: 071-387 7050
Fax: 071-380 7463

Dr. Alfred Bader,
52 Wickham Avenue,
BEXHILL ON SEA,
E Sussex TN39 3ER

10 December 1992

Dear Alfred,

I enclose a copy of a letter from Michael Freeman, the Director of our Alumni Relations, which confirms the registration number of the University College London Friends and Alumni Association Inc.; I understand that the name of the College is written in full as I have shown, and not as UCL.

I have spoken to him since his meeting with the lawyers, and there is little to add to his letter. An account is being opened this week at the National Westminster Bank in New York, but we have not yet got the account number. The name and address of the Attorneys who are acting for us are given on the enclosed copy of a letter from them.

I haope that this provides all the information you need.

With very best wishes , particularly for the Christmas season.

A.G. Davies

cc. RJH Clark

University College London
Gower Street
London WC1E 6BT

Tel: 071-387 7050 Ext. 7132
Direct Line: 071-380 7132

Fax: 071-383 0529

Director, Alumni Relations: Michael Freeman

7 December 1992

Professor A Davies
Chemistry

Dear Professor Davies

USA DONATIONS TO UCL

Our lawyers say that a donor needs to pay money to the account of the UCL Friends and Alumni Association Incorporated which is registered as a charity, has been approved by the Internal Revenue Service as a tax exempt organisation and has an employer identification number (EIN) 13-3634775. Other than that I don't think I am going to be able to help you until we meet with the lawyers tomorrow.

Yours sincerely

Michael Freeman

Michael Freeman

University College London
Chemistry Department
Christopher Ingold Laboratories
20 Gordon Street
London WC1H 0AJ

Tel: 071-387 7050
Fax: 071-380 7463

Dr. Alfred Bader,
[illegible] Wickham Avenue,
BEXHILL ON SEA,
E. Sussex TN[illegible] [illegible]

4 December 1992

Dear Alfred,

The Director of our Alumni Relations (Michael Freemont) has just telephoned to me the details of our Alumni Association in the States. He says that donations should specify that they are being made to University College London Friends and Alumni Association Inc., and the registration number for Federal Tax purposes is EIN #13-[illegible]. This number is [illegible] does appear at the top of the letter from the New York State Department of Taxation and Finance, of which I think you have a copy.

I should have this in writing on Monday, when I will send you a copy.

With very best wishes,

Alan

A.G. Davies

cc R.H. Clark

University College London
Chemistry Department
Christopher Ingold Laboratories
20 Gordon Street
London WC1H 0AJ

Tel: 071-387 7050
Fax: 071-380 7463

Dr. Alfred Bader,
52 Wickham Avenue,
BEXHILL ON SEA,
E Sussex TN39 3ER

30 November 1992

Dear Alfred,

I was very pleased to see you at the Lab Dinner, and I apologise for not writing before this, but I have been away in Scotland.

I enclose copies of letters which I have received from our Director of Alumni Relations, which confirm that the *UCL Friends and Alumni Association Inc.* is registered for tax exemption. We have not yet received the registration number, but we hope to have it after the meeting which has been arranged for December 8, and I will let you have it immediately it is available.

With best wishes,

A.G. Davies

bc: Prof. S. Ley and Prof. W. Motherwell

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

December 31, 1992

Professor R. J. H. Clark
Department of Chemistry
University College London
20 Gordon Street
London WC1H 0AJ, England

Dear Robin:

Thank you so much for going to all the trouble of sending me the information showing beyond a doubt that the University College London Friends and Alumni Association Inc. is able to receive contributions from American non-alumni and have these Americans deduct such contributions from their taxes.

You may have noted that the IRS ruling is good until December 31, 1996, which gives us lots of time. If we wish to make contributions after that period, I will ask you again in 1996 if the period has been extended.

My tax advisor has urged me not to make the contributions until 1993 and you have my assurance that we will contribute L6,500 in early 1993, L10,500 in 1994, and L14,500 in 1995. At that time we will review how this scheme has worked.

Of course, you know that this is important to us, not just because we hope that it will help students coming to University College, but that it may also become a pilot model for other urban British universities.

I was so happy to know that you understood why I wanted to involve Professor Steven Ley in giving his counsel about this scheme. He is one of Britain's ablest chemists, one of our best friends, and a wonderful human being. Isabel and I have shared with him our thinking and hopes for this plan, and so I would like to ask you to let him look at the plans for the bursaries as the plans develop, and then consider his comments.

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

We were delighted to learn that you have offered the new chair in organic chemistry to Willie Motherwell. He is a great chemist who truly cares for his students, and he will make a great contribution to your department.

Please let me know when he begins at University College. At that time, Isabel and I would like to send a modest check, again to the UCL Friends and Alumni Association, to be used by Willie totally without restriction, only to help his research students.

Many thanks for all your help, and all good wishes to you and your associates for 1993.

Sincerely,

UCL

R. J. H. Clark FRS
Sir William Ramsay Professor and
Head, Department of Chemistry

University College London
Christopher Ingold Laboratories
20 Gordon Street
London WC1H 0AJ

Tel: 071-387 7050 Ext. 4620
Direct Line: 071-380 7457
Fax: 071-380 7463

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

23 October 1992

Dear Dr Bader

It is a pleasure to invite you and your wife most warmly to be our guests at the Lab Dinner on Friday 20 November 1992 at 1800 for 1900. This is an annual event to which past and present members of the research school are invited, and typically has an attendance of circa 120. The guest speaker is Professor B.F.G. Johnson FRS, University of Edinburgh, a lecturer in the Department from 1967 to 1970.

We shall meet for drinks at 1800 in the Nyholm Room in the Christopher Ingold Building at 20 Gordon Street, and shall move over to the Old Refectory at 1900.

I shall be grateful if you will let me know whether you can accept this invitation. We shall be delighted if you can, particularly as this would give you the opportunity, if you wished, to present the second Bader prize in person at the dinner; we have just reached the decision to award this to Miss Karen Johnson.

Yours sincerely,

R.J.H. Clark

cc. 52 Wickham Avenue, BEXHILL ON SEA, East Sussex.

RJHC/djm

PS Please excuse the misdirected earlier letters

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

October 20, 1992

Professor R. J. H. Clark
Head, Department of Chemistry
University College London
20 Gordon Street
London WC1H 0AJ, England

Dear Professor Clark:

Thank you for your kind invitation to join you for your Lab Dinner on Friday, November 20th.

I would like to accept and then have a chance to chat with so many old friends. Is Isabel invited, also?

Could you please direct your reply to our English address:

52 Wickham Avenue
Bexhill-on-Sea
East Sussex TN39 3ER

Best regards.

Sincerely,

UCL

R. J. H. Clark FRS
Sir William Ramsay Professor and
Head, Department of Chemistry

University College London
Christopher Ingold Laboratories
20 Gordon Street
London WC1H 0AJ

Tel: 071-387 7050 Ext. 4620
Direct Line: 071-380 7457
Fax: 071-380 7463

Dr A Bader
Chairman
Sigma Aldrich Corporation
P O Box 355
MILWAUKEE
Wisconsin 53201
U.S.A.

6 October 1992

Dear Dr Bader,

It is a pleasure to invite you most warmly to be one of our guests at the Lab Dinner on Friday 20 November 1992 at 1800 for 1900. This is an annual event to which past and present members of the research school are invited, and typically has an attendance of circa 120. The guest speaker is Professor B.F.G. Johnson FRS, University of Edinburgh, a lecturer in the Department from 1967 to 1970.

We shall meet for drinks at 1800 in the Nyholm Room in the Christopher Ingold Building at 20 Gordon Street, and shall move over to the Old Refectory at 1900.

I shall be grateful if you will let me know whether you can accept this invitation. We shall be delighted if you can.

Yours sincerely,

R.J.H. Clark

RJHC/djm

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

September 11, 1992

Prof. A. G. Davies
Department of Chemistry
Christopher Ingold Laboratories
Unviersity College London
20 Gordon Street
London WC1H 0AJ
England

Dear Alwyn:

I appreciated the thoughtfulness of your letter to Chemistry in Britain more than I can tell you.

Isabel and I look forward to being back in our English home in November and December, and I hope I will then be able to thank you personally.

Best personal regards,

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

September 11, 1992

Professor R. J. H. Clark
Head, Department of Chemistry
Christopher Ingold Laboratories
University College London
20 Gordon Street
London WC1H 0AJ
England

Dear Professor Clark:

I have just seen the September issue of Chemistry in Britain, and I want to thank you most sincerely for the thoughtfulness of your letter.

I already look forward to being back in England at the end of November and hope then to have a chance to meet with you and, if at all possible, to finalize on the details of how best to help disadvantaged high school students to come to your department.

Best personal regards, also to Professor Davies.

Sincerely,

Dr. Alfred R. Bader
52 Wickham Avenue
Bexhill - on - Sea
East Sussex. TN39 3ER

July 14 90

Professor Robin Clark
University College

Dear Robin:

Thank you for your letter of July 10 received only today. I just wish you had been present during our morning discussion with professors Dodd and Davies, as you would have not thank me quite yet for setting up the bursaries.

What I hope was clear to John and Philippe is that Isabel and I really want to set up these bursaries, and think UCL is the right place to start. However, I hope I made clear

(1) the friends of the RSC must approve. I left the facts with Dr. Lowe's secretary, and hope to have his response shortly

(2) I would like to meet your new professor of organic chemistry in November, to discuss his involvement

(3) we would like to work out specific details, such as choice of students etc.

All that can, I hope be settled during our next visit in November. December.

To turn to the other points in your letter:

Many thanks for writing to the editor of Chemistry in Britain.

I am sure that your work in Raman microscopy for pigment identification is important, but we would like to concentrate helping students in chemistry generally or in organic chemistry, particularly students who have had limited opportunities. I do hope you will understand.

We have put up three fellowships for Czech organic graduates to obtain their PhDs, in three successive years, and would like to see how this works before continuing

I'll be in London on Thursday, July 16, and will then call prof. Rida for some further clarification regarding the bursary scheme. As I have no secretary, may I impose on you to phone this letter back with John and Alwyn.

Best personal regards

Guy

Department of Chemistry
UNIVERSITY COLLEGE LONDON
20 GORDON STREET LONDON WCIH OAJ
TELEPHONE ~~01-387-7050~~
071-387-7050 Ext. 4706

2nd July 1992

Dear Dr Baker,

Here is a draft of our suggestions for the Bursary Scheme but it is only a draft and could be modified in a number of ways.

Please let me know what you think of it. I shall be in College for most days this month and would be very happy to discuss it with you in more detail.

With all good wishes

Yours sincerely

John Rudd

Prof. J.H. RIDD

UCL

Professor J H Ridd
Extn: 4706

University College London
Chemistry Department
Christopher Ingold Laboratories
20 Gordon Street
London WC1H 0AJ

Tel: 071-387 7050
Fax: 071-380 7463

Dr Alfred Bader
52 Wickham Avenue
Bexhill on Sea
East Sussex TN39 3ER

13 July 1992

Dear Dr Bader,

First let me thank you for your very kind reception of our ideas last Thursday. I have raised the point you mentioned with the Registrar's Department here and they have assured me that students can received up to £3,000 per year before any cut is made in their financial support. The relevant regulations will be available for you to see when you come next in November. There is no need to fear that our proposed bursary scheme will reduce the sums available to them in other ways.

We will therefore put the Scheme into operation with the identification of the schools and the organisation of a Summer School in July 1993 with the intention of awarding the first bursaries in October 1994. We have given further thought to the possibility of running the Scheme from October 1993 since we recognise that you would prefer an earlier start. However, any earlier start would involve essentially a different Scheme and we would therefore prefer to retain the timing that we agreed with you.

The three people here who will be most involved with the operation of the Scheme are Professor Tony Deeming (the chairman of the recruitment committee), Dr Jim Parkin (the present admissions tutor) and Dr Sally Price, (who will take over as admissions tutor in October 1993).

I hope that you will be able to meet them and one of the College's financial officers when you next come in November.

With all good wishes.

Yours sincerely

John Ridd

RAR: Very good

Professor J H Ridd

Rec'd 15. VII.

UCL

R. J. H. Clark FRS
Sir William Ramsay Professor and
Head, Department of Chemistry

University College London
Christopher Ingold Laboratories
20 Gordon Street
London WC1H 0AJ

Tel: 071-387 7050 Ext. 4620
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Fax: 071-380 7463

Dr A Bader
52 Wickham Ave
Bexhill-on-Sea
East Sussex
TN29 3ER

10 July 1992

Dear Alfred,

I am writing to thank you most sincerely for having set up the new Bader Bursaries in Chemistry at UCL. This is a very good idea, and I feel sure that we can operate it as a pilot scheme until it is proved to work, and then set it up in perpetuity. Thank you again for your generosity and please feel assured of a warm welcome in my Department at any time. Alwyn Davies and I have now written to "Chemistry in Britain" on the other matter and are pleased to have done so.

In view of your deep interest in paintings and other works of art, I was sorry that you did not have time to visit my laboratory in order to see the Raman microscopy in operation. We have developed the technique into a very powerful one for the characterisation of pigments in illustrated manuscripts, as outlined in the attached reprint. I hope that you will find this to be of interest and will see everything in operation when next you visit. I hope that I might be able to interest you in providing the funds for either a PhD student or a post-doctoral fellow in this area. I know that you are mainly interested in promoting Organic Chemistry, but this complementary interest of yours I hope might also appeal. Please let me know what you think.

I was also most interested in the fact that you are supporting Czech post-doctorals or staff members. UCL has, probably, the longest established connection with that country, going back to Heyrovsky (Nobel Laureate, trained by Donnan, see attached notes of the introduction which I delivered to the RSC conference in his honour at UCL in December 1990). I have strong connections with Prague via Dr Blanka Vlckova, who worked with me here in the 1980's. Could I possibly persuade you to extend your established scheme to help Czech chemists to come to UCL as well as IC and Columbia? I have regular requests from Czechs for support and never have any way of helping them.

I hope that I have not made too many suggestions in a single letter! Nevertheless, I am anxious to do all that I can to build up the strengths of this great Department. Any help that you can give would be greatly appreciated.

Yours sincerely

R J H Clark

enc.

RJHC\ah

Recd 14 July