

Alfred Baber Fonds

Correspondence

Columbia University
1993-2001

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COLUMBIA UNIVERSITY
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February 14, 2001

Dr. Alfred Bader
2961 N Shephard Ave.
Milwaukee, WI 53211

Dr. Alfred Bader,

I am pleased to tell you that the 2000-01 Alfred Bader Fellowship in Organic Chemistry has been awarded to Stanislav Jaracz. On behalf of Stanislav Jaracz, and all our students at GSAS, I extend my deepest appreciation for your support and involvement. Your engagement with the Graduate School's finest scholars each year helps foster an intellectually stimulating environment and helps remind current students that their work is supported through the generosity and concern of many.

I hope that you will be able to join us at our annual benefactors' reception and dinner, where you will have an opportunity to meet and talk with the 2000-01 fellowship recipients.

GSAS Benefactors' Reception

Date: Thursday, April 5, 2001

Place: President's Room at the Columbia University Faculty House

Time: 6:00 - 6:30 p.m. (Cocktail Half-Hour)

6:30 - 8 p.m. (Buffet Dinner and Program)

Please let us know of your availability by returning the RSVP slip in the postage-paid envelope enclosed by Thursday, March 22nd.

Again, I offer your our warmest gratitude for your dedication to the development of students at GSAS.

With best regards,

A handwritten signature in dark ink, appearing to read "Gillian Lindt".

Gillian Lindt
1965 Ph.D., Sociology
Interim Dean, GSAS
Professor of Religion
Dean of the School of General Studies Emerita



Stanislav Jaracz
Dept. of Chemistry, Columbia University
3000 Broadway, MC 3133
New York, NY, 10027
Telephone: (212)-854-4964
E-mail: sj246@columbia.edu

May 2, 2000

Dr. Alfred R. Bader
924 East Juneau, Suite 622
Milwaukee, WI 53202

Dear Dr. Bader,

Thank you for your letter of March 20th.

I joined the group of Dalibor Sames. He comes from Czech Republic too. Recently, I submitted second year report to our faculty. This is general requirement for all second year Graduate students. I would like to share one copy of it with you.

Our group is interested in C-H bond activation. We are developing solid phase anchored catalysts capable selective oxygen, nitrogen and carbene insertion. My project is focused on binding of simple organic molecules as an important step in development of our catalytic systems. You can get more information on the Columbia web:

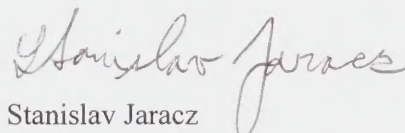
<http://www.columbia.edu/cu/chemistry/faculty/ds.html>

Our recent publications:

1. Evolution and study of polymer-supported metal catalysts for oxygen atom transfer: Oxidation of alkanes and alkenes by diamide manganese complexes: Havranek, M.; Singh, A.; Sames, D. *J. Am. Chem. Soc.* **1999**, *121*, 8965
2. Highly regioselective oxygenation of C-H bonds: Diamidomanganese constructs with attached substrates as catalyst models: Moreira, R.F.; Wehn, P.M.; Sames, D. *Angew.Chem. IEE*, **2000**, *39(9)*, 1618

With best wishes,

Sincerely,


Stanislav Jaracz



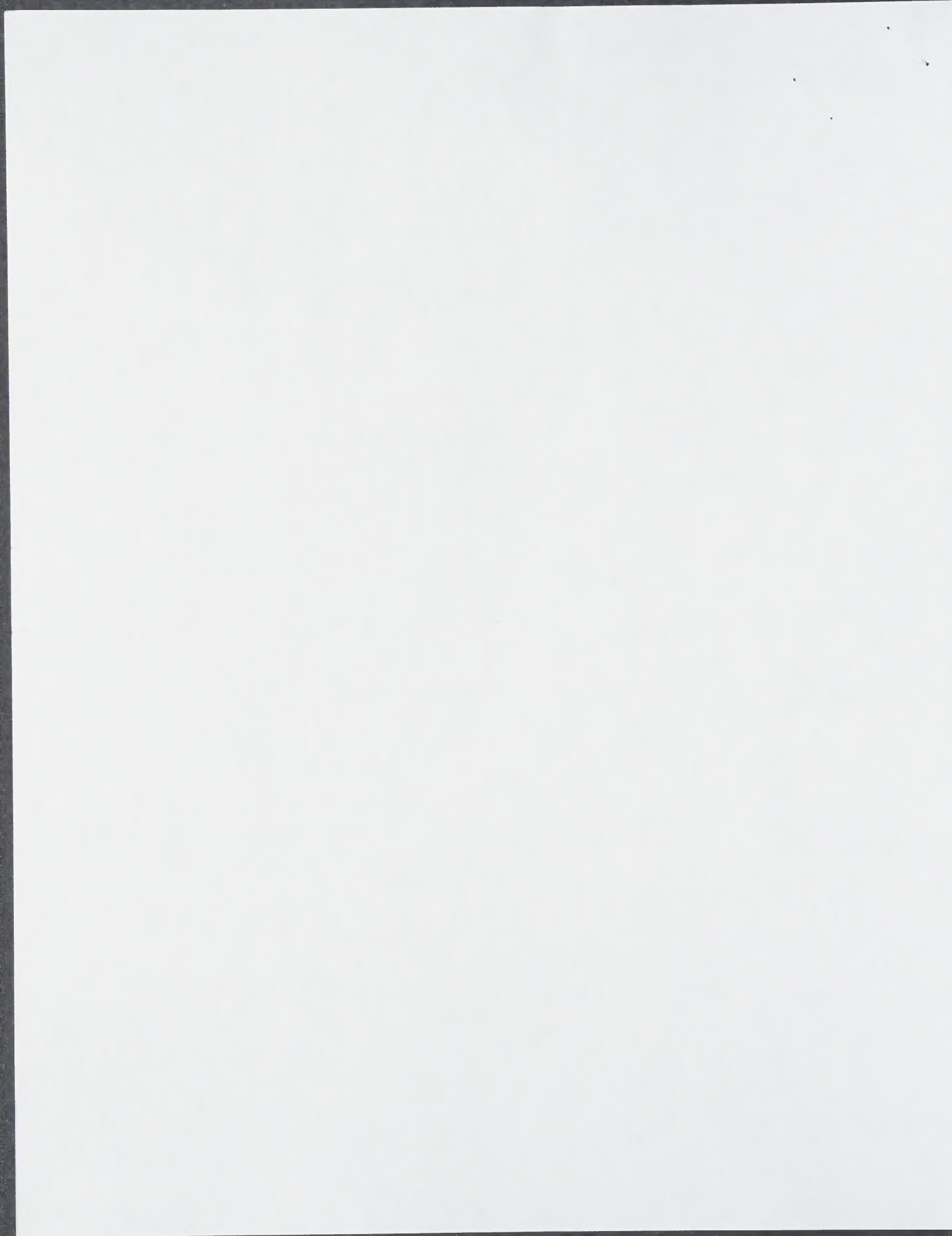
**Development of Polymer-Anchored Metalloreceptors and Catalysts for
Directed C-H Bond Functionalization**

2nd Year Report

Stanislav Jaracz
Advisor: Dalibor Sames

*Dept. of Chemistry, Columbia University, New York, NY 10027
April 10, 2000*

Do not follow where the path may lead. Go instead, where there is no path and leave a trail.
-Anonymous¹



Introduction

Exploration of specific binding of simple organic molecules in natural enzymes provokes seeking for artificial "human made" systems capable to imitate and even improve incredible arts of these natural chemical factories. The development of such catalysts requires a combination of metal catalysis and advanced molecular recognition. Such a division leads to the incremental development process, which facilitates the experimental evaluation and interpretation of changes in design.

A lot of research was made in the field of binding of charged species and neutral molecules. Molecule of substrate binds to receptor with the help of intermolecular interactions. One category covers electrostatic interactions, dipolar interaction and, hydrogen bonds. The second category is nonpolar interactions², π - π interactions^{2a,b,g} (π - π stacking), molecular tweezers^{2d}, molecular clips^{2e}, cavity effect^{2f} etc.

Thus, binding of an organic molecule can be facilitated by combining all possible interactions. Recently, binding of oligopeptides with C_3 symmetric receptors was widely explored³. Our focus is development of receptors for binding relatively simple organic molecules, especially those, which are intermediates of pharmacologically interested compounds.

Development of binding assay

Development of the assay is the essential point for successful screening. Our goal was to find receptors, which would both specifically bind the substrate and possess metal catalytic center.

It would be ideal to screen a library, which includes the metal catalytic center to evaluate both binding and catalysis characteristics of identical species. However, we needed to make sure that presence of metal complex will not negatively interfere with the fluorescent tag. Therefore, we prepared three model systems:

1. The first batch of beads was loaded with the ligand only.
2. The second batch contained 10% of the dansyl tag and 90% of the ligand.
3. The third batch contained 10% of the acridone tag and 90% of the ligand.

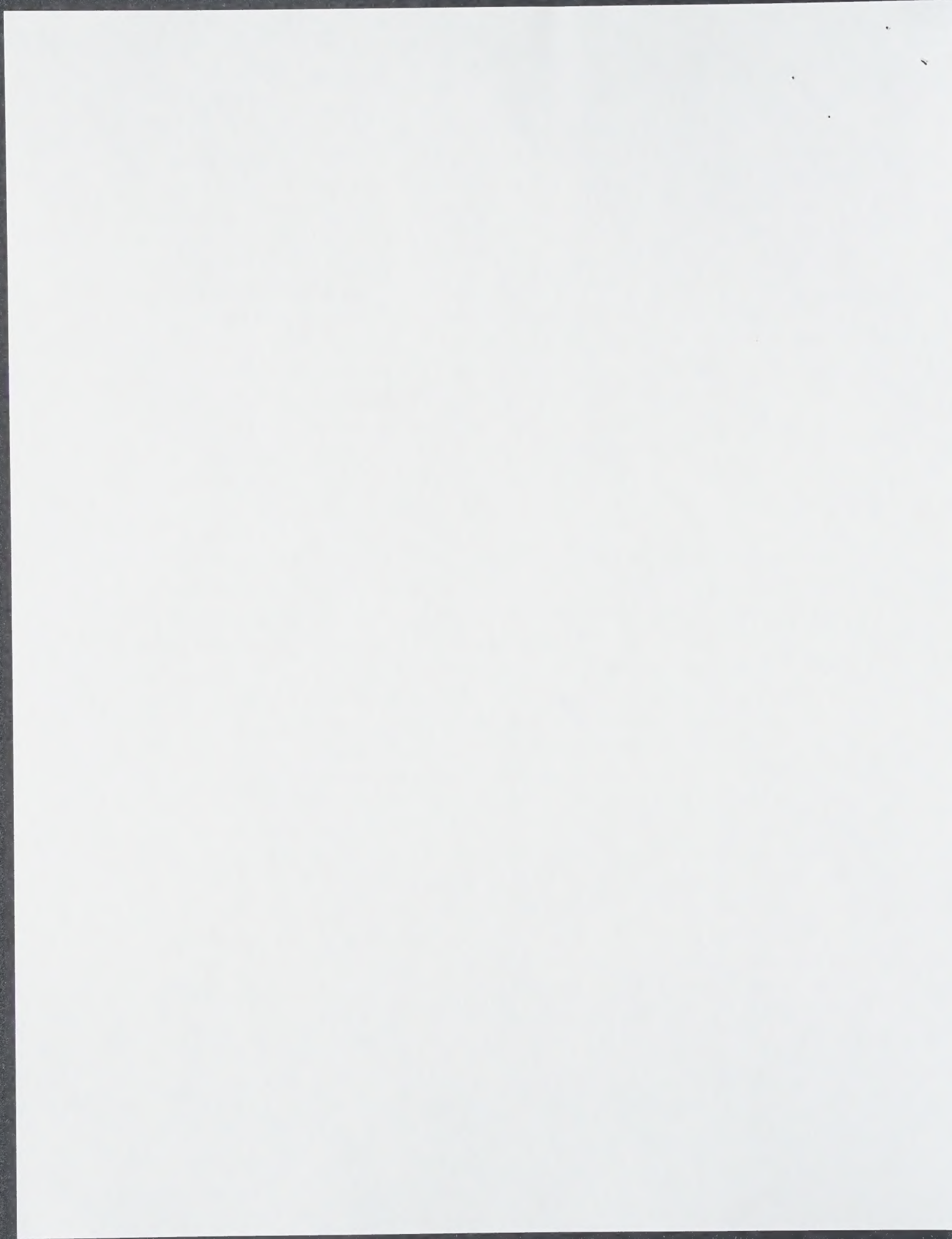
Unfortunately, we discovered that upon complexation with Mn^{3+} all of the fluorescent activity in all three models has been quenched. Experiments with other metal ions (Mn^{2+} , Co^{2+} , Ni^{2+} , Cu^{2+}) revealed the same problem. Complexation with Zn^{2+} did not quench background fluorescenceⁱ while it quenched fluorescence of both dansyl and acridone tags. Therefore, we decided to screen without metal complexation.

Original proposal for sequence decoding was based on basic cleavage of the whole molecule from the resin, followed by MSMS analysis and the fragmentation of a molecular ion. Despite our original success with MS decoding on a large scaleⁱⁱ, we were not able to decode the sequence from a single bead.

Despite these two problems, this library could still be used to answer the question of, whether the proposed recognition domain library is capable of binding the substrate at all.

ⁱ Zinc complex has changed background fluorescence from faint blue to bright yellow.

ⁱⁱ About 20 mg of TG-OH resin, loading 0.27mmol/g

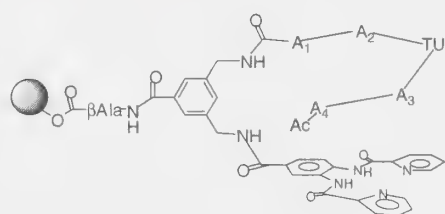


Library

According to our original goal we prepared a solid supportⁱⁱⁱ anchored library containing recognition domain composed of a sequence of five building blocks: four of them were eleven natural L-amino acids and one position was designated as the turning unit with five variables. As a potential metal catalytic center, we used our ligand, which we developed for catalytic alkene and alkane oxidation⁴ (Scheme I).

Synthesis of the library, screening and sequence decoding must be orthogonal. Therefore, we decided to apply Boc chemistry (acid deprotection) for attachment of the ligand **2**, Fmoc chemistry (mild basic deprotection) for recognition domain, use of fluorescently tagged substrates and, finally, basic cleavage of the whole molecule (Et₃N/MeOH) for MS decoding.

Scheme I: Library #1



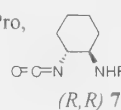
of elements = $11^4 * 5 = 73\ 205$

A₁ - A₄, Amino acids:

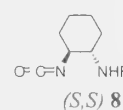
Gly, Ala, Phe, Ile,
Asp-(OtBu), Glu-(OtBu), Ser(OtBu), Thr-(OtBu),
Asn-(Trt), Gln-(Trt), His-(Trt)

TU, Turning Unit:

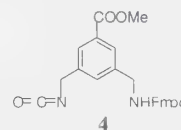
L-Pro, D-Pro,



(R,R) **7**

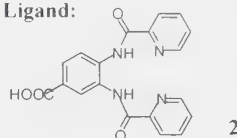


(S,S) **8**



4

Ligand:



2

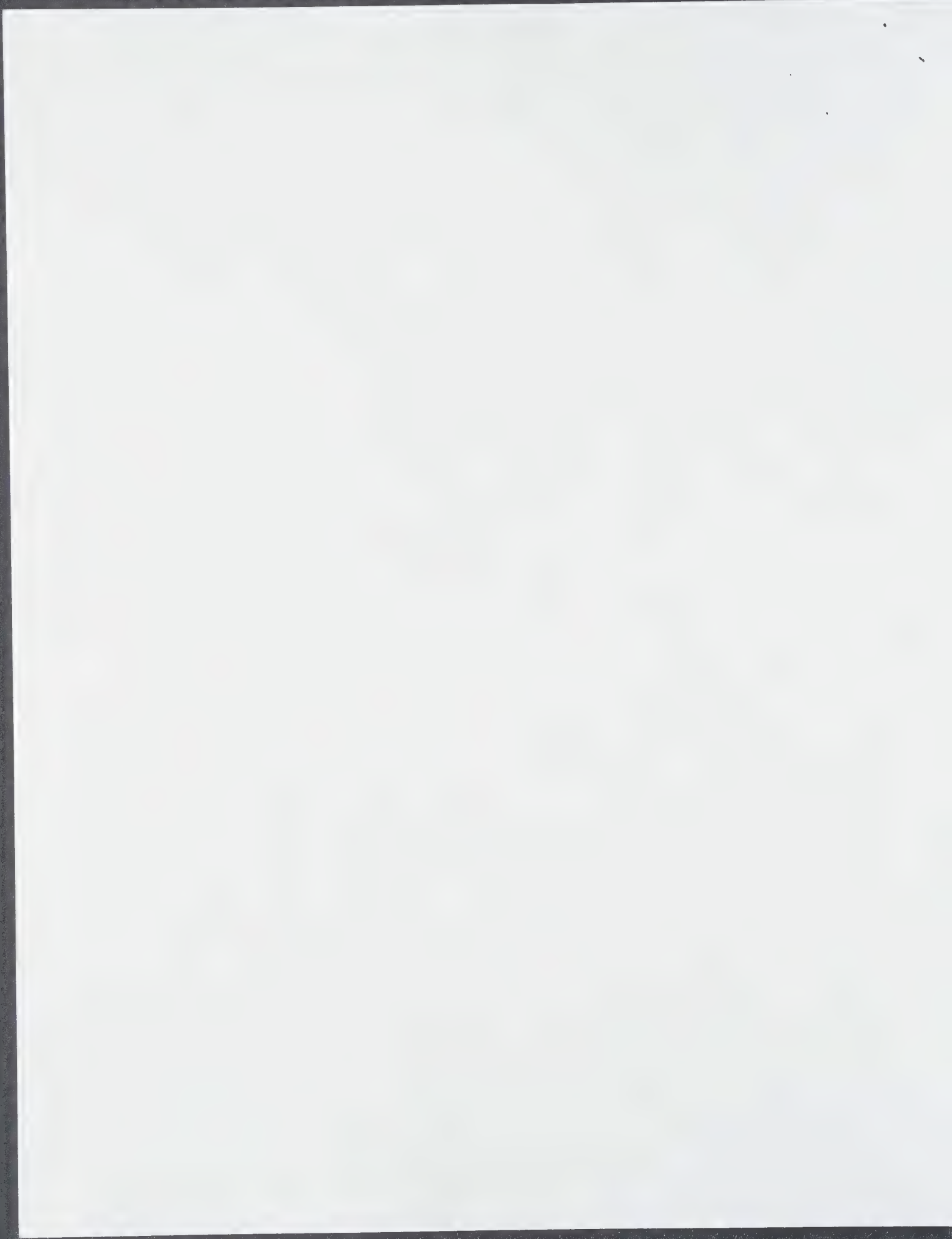
For coupling of amino acid units, we applied HOBt/DIC/DMAP synthetic protocol. For the urea linkage of three of the turning units we prepared active isocyanates **4**, **7**, **8**. Synthesis of the linker **1** was developed in this project too. Ligand acid **2** was prepared according to the procedure developed in our group⁵.

Synthesis of linker **1** and the turning unit precursor **3**

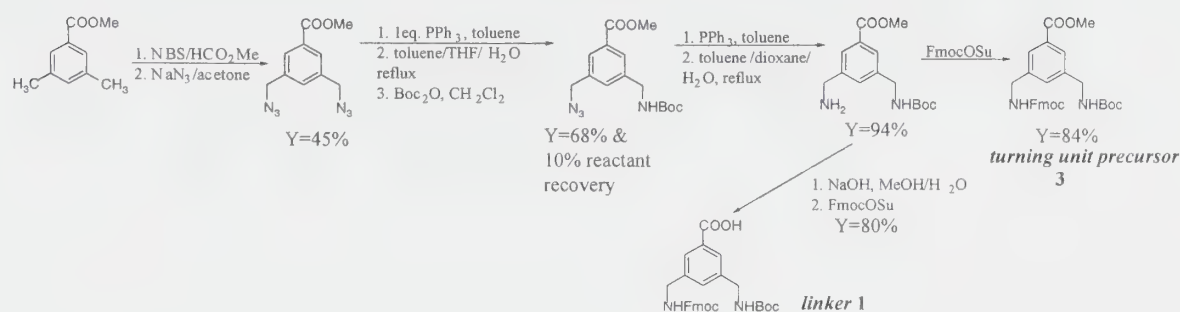
In order to attach the recognition domain and the catalyst unit into one molecule, synthesis of simple linker **1** was developed. Such linker must possess carboxylic group to attach to the resin and two orthogonally protected amino groups. This linker may also serve as the turning unit^{iv} **4**, which can be attached by urea linkage (Scheme II).

ⁱⁱⁱ NOVA SYN® TG hydroxy resin, 0.27mmol/g, 130 µm bead size

^{iv} In this case, carboxylic group must be capped in the form of methyl ester.



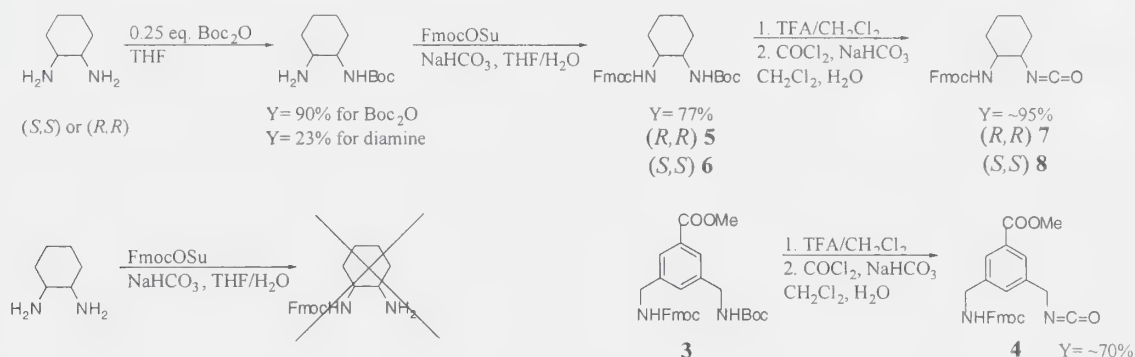
Scheme II: Synthesis of benzylic diamino derivatives for linker and turning unit



Synthesis of reactive isocyanates 7, 8 and 4

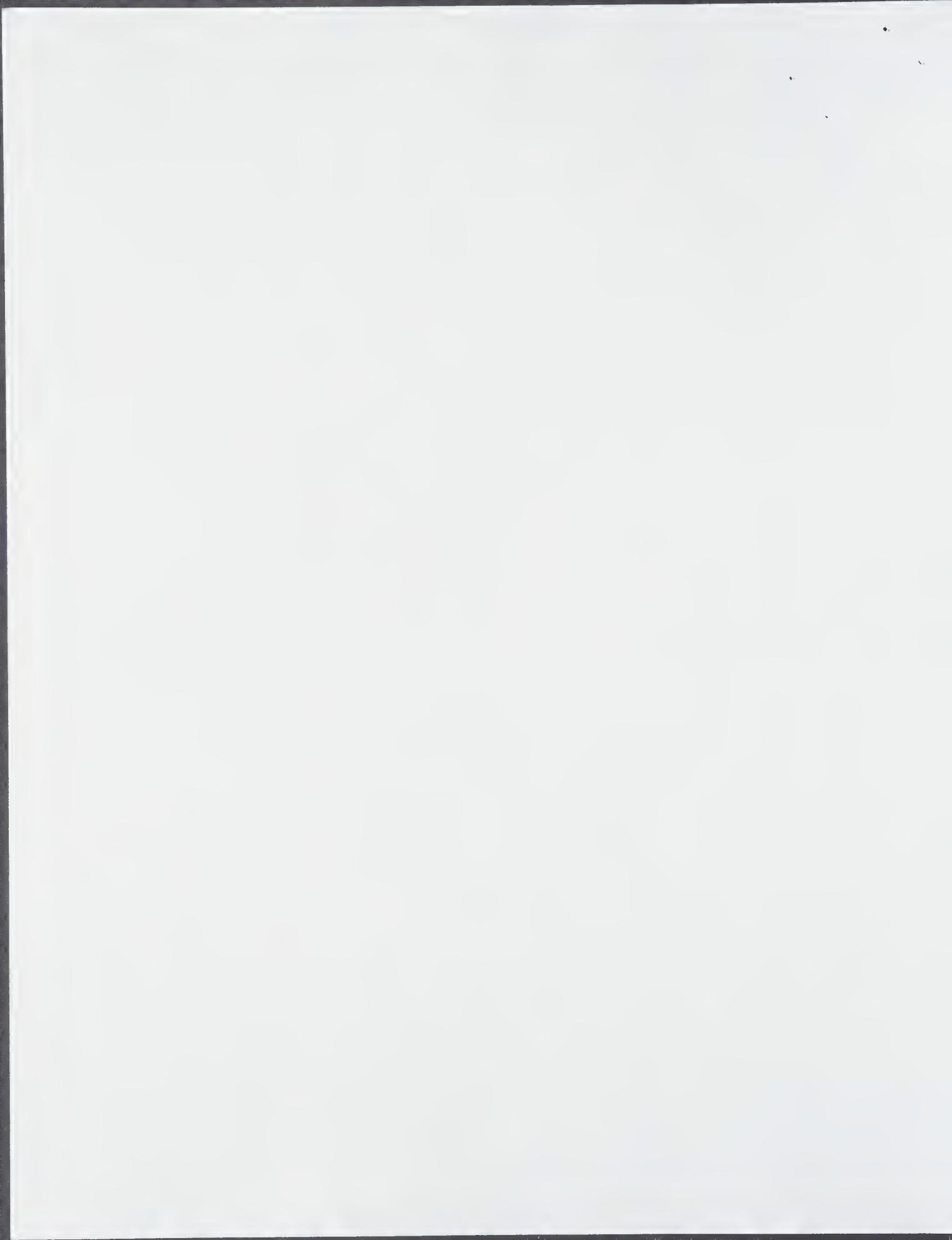
Urea linkage of turning units was made by coupling of corresponding isocyanates to the terminal amino group of the chain⁶. Because these turning units are diamines, differentiation of the two amino groups must be accomplished. Monoprotection with Boc_2O was realized with the excess of (*S,S*) resp. (*R,R*)-1,2-diaminocyclohexane⁷, followed by Fmoc protection to get stable precursors **5**, **6**. Boc deprotection and subsequent treating with phosgene in biphasic system afforded desired isocyanates **7** and **8** in high yield up to 95% only if reaction mixture was stirred extremely vigorously⁸. Isocyanate **4** was prepared following the same procedure from protected precursor **3** in 70% yield (Scheme III).

Scheme III: Synthesis of reactive isocyanates



Synthesis of fluorescently tagged substrates 11, 12, 13 and 14

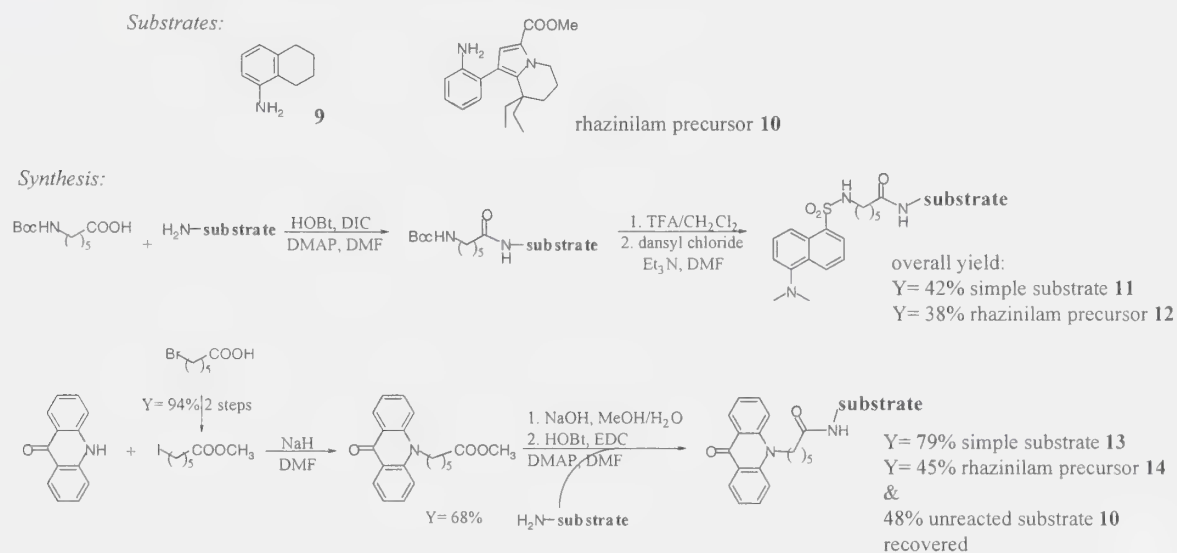
For our binding assay, we decided to use challenging rhazinilam precursor **10** as well as simple 5,6,7,8-tetrahydro-1-naphthylamine **9**. As for tags, we chose two approved fluorescent molecules, dansyl and acridone. Both molecules have been already applied by many researchers. None of them is ideal however their deficiencies are somewhat complementary. Dansyl is an extremely effective fluorophor but it bleaches under light and chemical influences (bleaching was observed when flame sealing of a capillary with CHCl_3 solution of dansyl tagged



substrate). Acridone is less effective but still suitable enough for sensitive detection and it is very stable toward light and many chemicals.

Combining two substrates and two tags, we prepared four compounds **11**, **12**, **13**, **14** for screening assay. Having each substrate tagged with two different fluorophores enables us to check whether a binding is specific toward the substrate or the tag. In order to minimize the possibility of binding the whole molecule, the six-carbon linker was used to separate the tag from the substrate molecule (Scheme IV).

Scheme IV: Synthesis of Dansyl and Acridone labeled substrates



Results of screening assay

Screening was realized by equilibration of library beads with 100 μM solution of the substrate in CHCl_3 for 24 hours, followed by manual searching with fluorescent microscope^v. (Table 1).

Our rationale for mainly negative results is that recognition domain forms small cavity to fit our substrate. Presence of the non-complexed ligand may lead to both, increasing or decreasing binding activity. Furthermore, determination of the substrate-receptor complex structure should precede designing of the catalytic center in a potential complex catalyst.

^v Excitation 365nm, no Emission Filter. Library was also screened with Zn^{2+} complexed ligand before model system excluded possibility of finding such binding

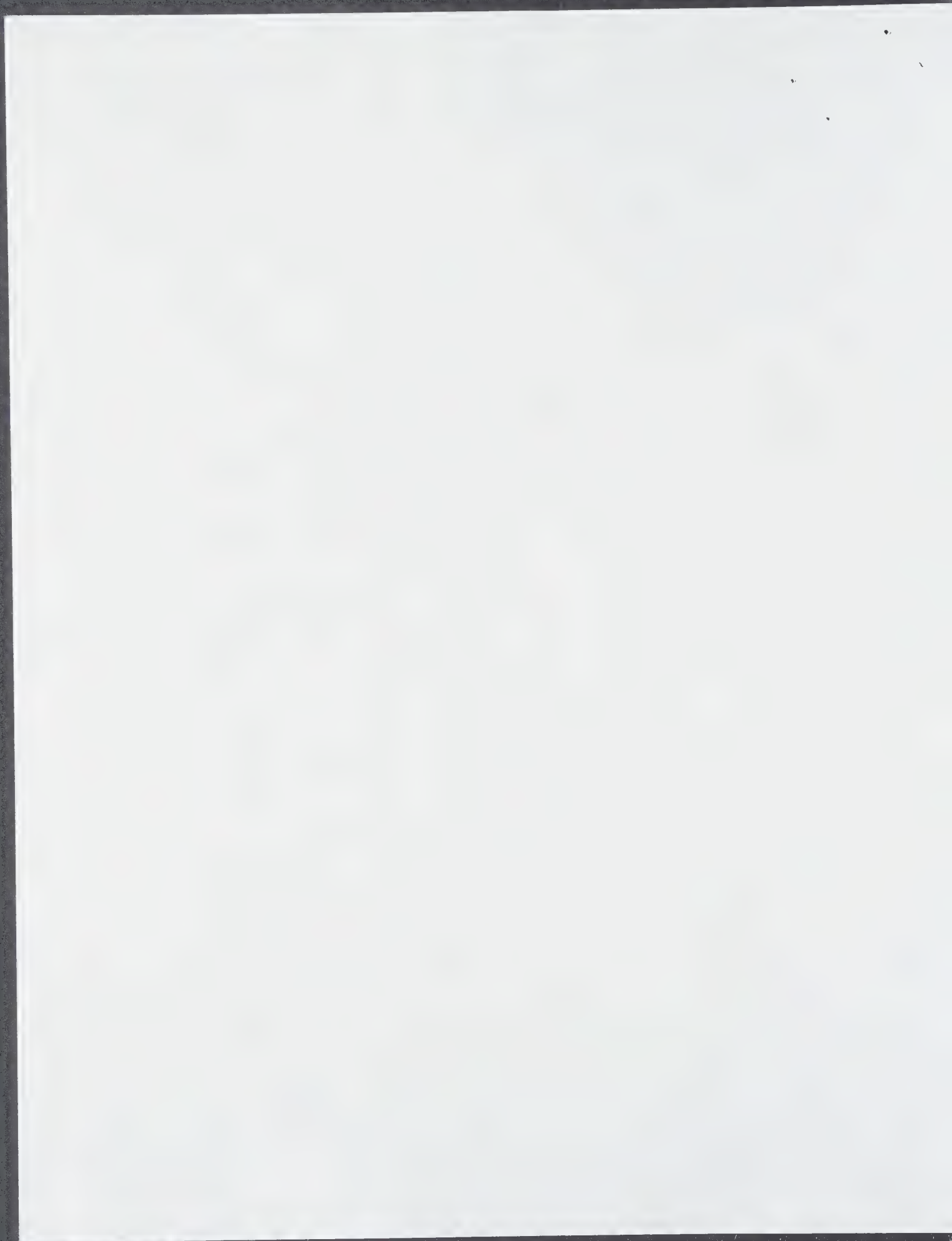


Table 1. Result of screening

substrate ^{vi}	Protected side chains of the Library	Deprotected side chains of the Library
rhazinilam precursor 14	negative	3 weakly positive beads (see pictures)
5,6,7,8-tetrahydro-1-naphthylamine 13	negative	Not screened yet

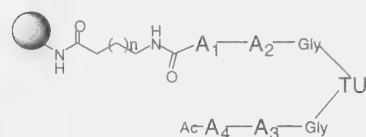
Pictures of positive beads^{vii} (together with some negative ones):



Future work

Based on the recent results we will redesign our model. A new library will be synthesized in the near future^{viii} (Scheme V). The linker and the ligand (potential catalytic metal center) will be excluded. However, six-carbon linker will be probably used to separate recognition domain from the resin. More turning units will be included^{ix}. New amino acid positions will be probably opened too in order to enlarge the potential cavity. Library will be encoded with oxidative cleavable chlorinated tags and decoded with EC-GC⁹. Screening will be also applied to a library (recently synthesized by another group members) containing two shorter recognition arms.

Scheme V: Proposal of new Library

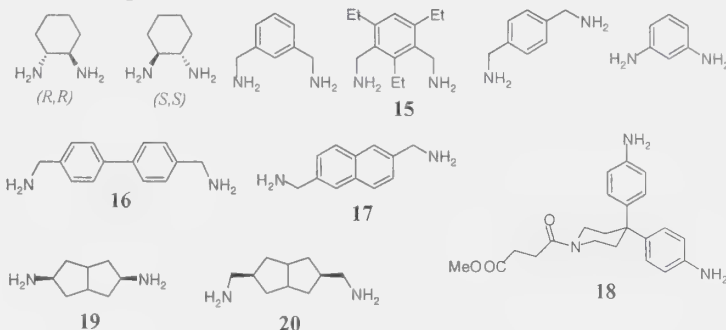


of elements = $10^4 * 11 = 110\ 000$

A₁ - A₄, Aminoacids:

Gly, Ala, Phe, Ile, Pro, Asp-(OtBu), Glu-(OtBu), Ser(OtBu), Asn-(Trt), His-(Trt)

TU, Turning Units:

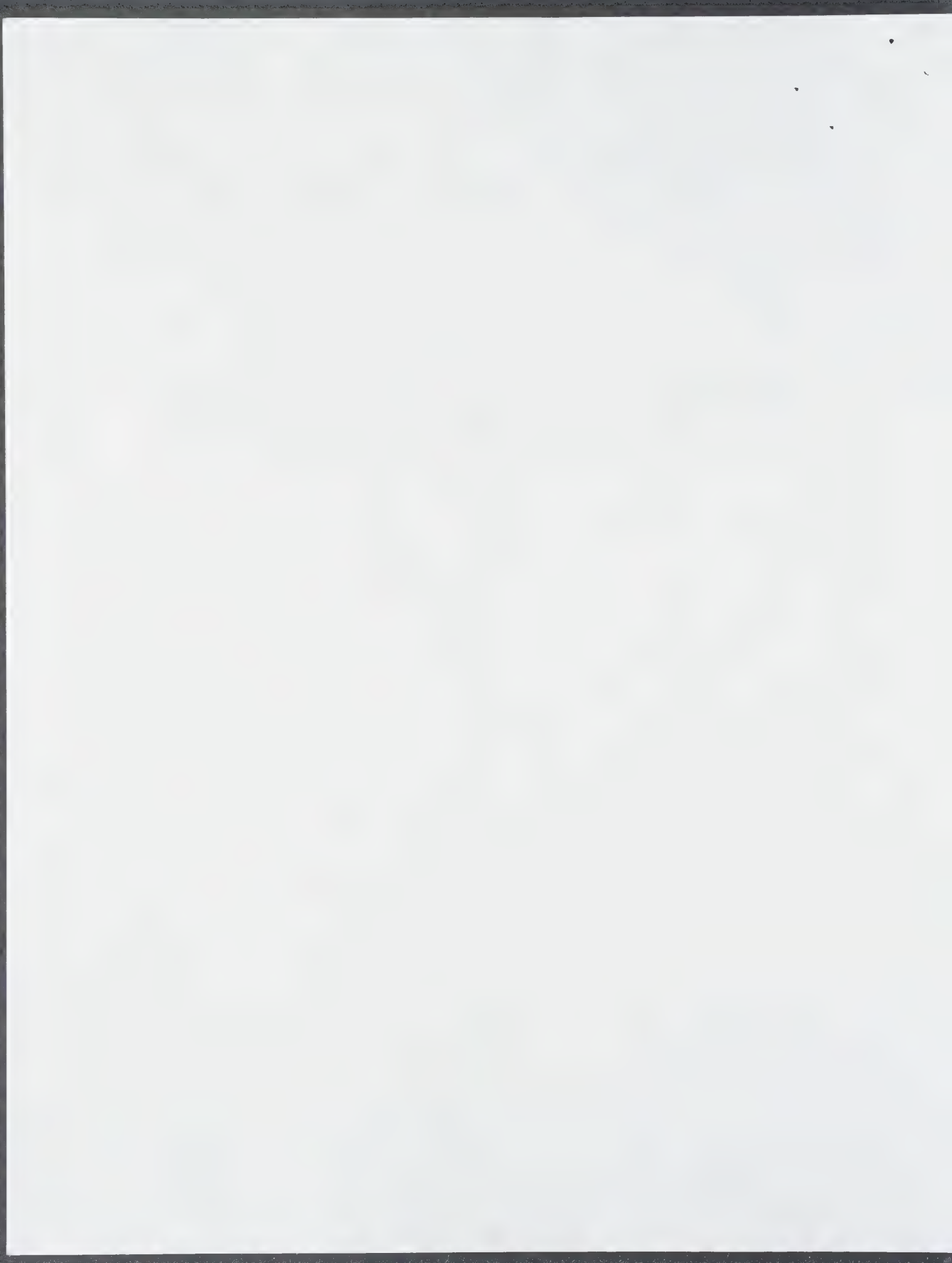


^{vi} For screening assay were used the acridone tagged substrates 13 and 14, for verifying of a binding the dansyl tagged substrates 11 and 12 were used by reequilibration of the suspect beads.

^{vii} Dansyl tagged rhazinilam precursor 12 with side chain deprotected library

^{viii} Resin to be used: TentaGel HL NH₂, 0.46mmol/g, 110µm bead size

^{ix} Compound 15 have been already synthesized in 96% yield from 1,3,5-triethylbenzene (no chromatography!), compound 18 have been synthesized by another coworker. Compounds 16, 17, 19 and 20 are being synthesized now



¹ Lebl, M. *J. Comb. Chem.* **1999**, *1* (1), 3

² a) π - π interactions: Comprehensive Supramolecular Chemistry, Vol.2, p.228 b) Hunter, C.A.; Sanders, J.K.M. *J. Am. Chem. Soc.* **1990**, *112*, 5525 c) Calix[n]arenes, Review: *Angew. Chem. IEE* **1995**, *34*, 713 d) Molecular tweezers: Chen, C.W.; Whitlock Jr., W. *J. Am. Chem. Soc.* **1978**, *100*, 4921 e) Molecular clips: Reek, J.N.H.; et al *J. Am. Chem. Soc.* **1997**, *119*, 9956 f) Cavity effect: Hapman, K.T.; Still, W.C. *J. Am. Chem. Soc.* **1989**, *111*, 3075 g) Olefin Binding to a Chiral Catalyst: Quan, R.W.; Li, Z.; Jacobsen, E.N. *J. Am. Chem. Soc.* **1996**, *118*, 8156

³ a) Borchardt, A.; Still, W.C. *J. Am. Chem. Soc.* **1994**, *116*, 7467 b) Boyce, R.; Li, G.; Nestler, H.P.; Suenaga, T.; Still, W.C. *J. Am. Chem. Soc.* **1994**, *116*, 7955 c) Torneiro, M.; Still, W.C. *J. Am. Chem. Soc.* **1995**, *117*, 5887 d) Yoon, S.S.; Still, W.C. *Tetrahedron* **1995**, *52*(2), 567

⁴ Havranek, M.; Singh, A.; Sames, D. *J. Am. Chem. Soc.* **1999**, *121* (45), 8965

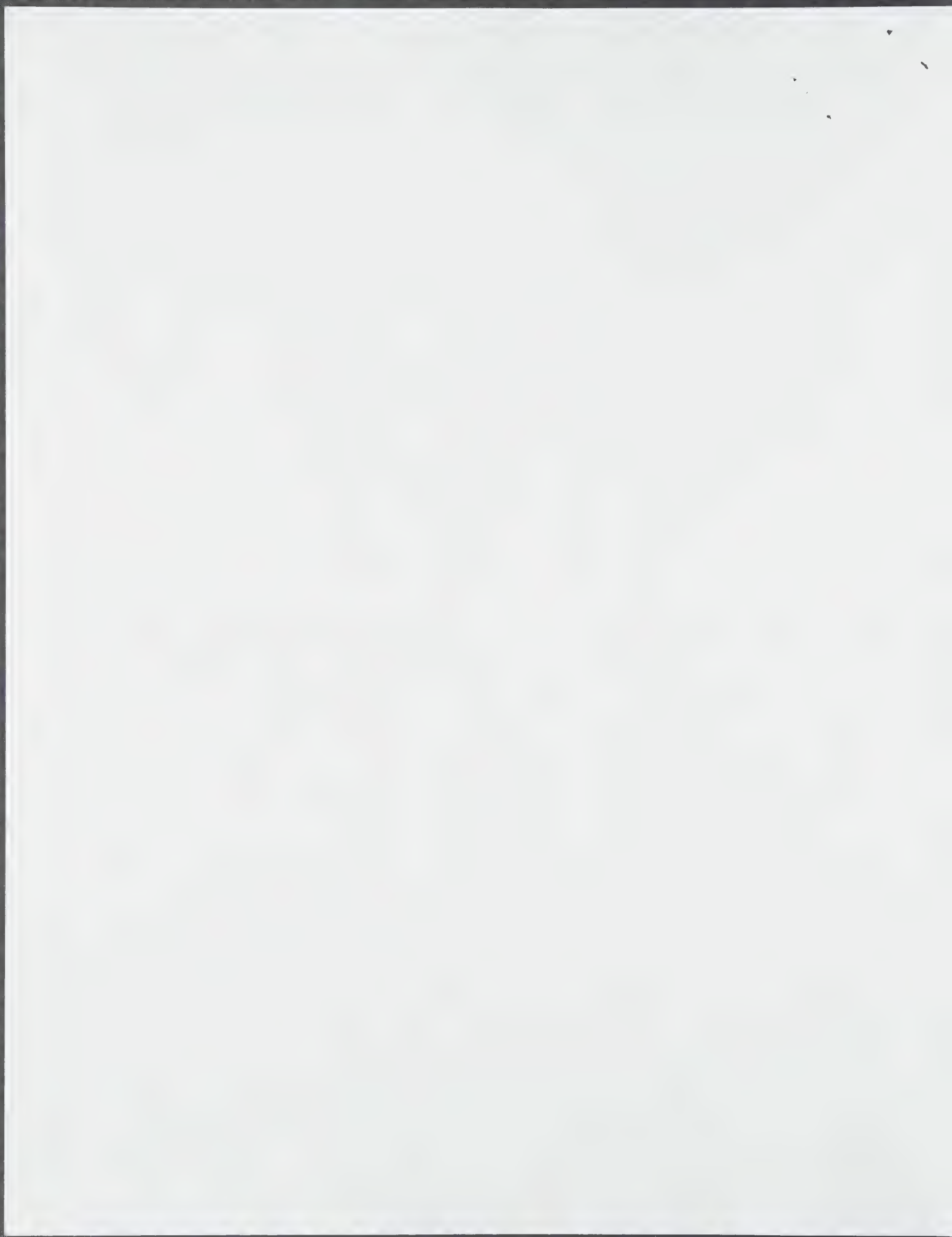
⁵ Havranek, M. Unpublished result

⁶ Recently, more convenient method using p-nitrophenyl chloroformate was verified. This method takes advantage of using diamines directly without previous complicated orthogonal protection: Hutchins, S.M.; Chapman, K.T. *Tetrahedron Letters*, **1995**, *36*(15), 2583

⁷ Lagriffoule, P.; Wittung, P.; Eriksson, M.; Jensen, K.K.; Norden, B.; et al. *Chem. Europ. J.* **1997**; *3*(6), 912

⁸ Nowick, J.S. *J. Org. Chem.* **1996**, *61*, 3929

⁹ Nestler, H.P.; Bartlett, P.A.; Still, W.C. *J. Org. Chem.* **1994**, *59*, 4723



ATRAN FOUNDATION SCHOLARSHIP

Awarded annually to graduate students for the study of the Yiddish language, literature, and culture.

Benefactor

Atran Foundation

Recipient

Jan Schwarz

ALFRED BADER FELLOWSHIP IN ORGANIC CHEMISTRY

Awarded to a qualified student from the Czech Republic or Slovakia pursuing a doctorate in Chemistry.

Benefactor

Dr. Alfred Bader

Recipient

Miroslav Rezac

THOMAS S. BARCLAY FELLOWSHIP

Established through a bequest from Mr. Thomas S. Barclay. It will be awarded to a graduate student in the Department of Government and Public Law.

Benefactor

Thomas Swain Barclay

Recipient

To be named

VICTOR BARNOUW FELLOWSHIP

Provides assistance to a graduate student in the humanities or social sciences who completed undergraduate studies at Columbia College.

Benefactor

Mrs. Victor Barnouw

Recipient

Lucinda Famous

EDITH AND EUGENE BLOUT SCHOLARSHIP FUND

Awarded to a graduate student in the Department of Chemistry. Established through a bequest of Eugene Blout.

Benefactor

Eugene Blout

Recipient

Terry Sheppard

GEORGE J. BOWDERY MEMORIAL FUND

Awarded to a graduate student in the Department of Philosophy.

Benefactor

Dr. Barbara K. Bowdery

Recipient

Kirsten Mayer

CARL B. BOYER MEMORIAL FELLOWSHIP

Established by Dr. Marjorie N. Boyer in honor of her husband and awarded to a student in the Department of Mathematics.

Benefactor

Dr. Marjorie N. Boyer

Recipient

Jay Blumenstein



GRADUATE
FELLOWSHIPS

The 1994-95
Benefactors and Recipients
Of Named Graduate Fellowships
At the Graduate School of Arts and Sciences

The Graduate School of Arts and Sciences
Columbia University
New York

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

March 20, 1995

Professor Nicholas Turro
Department of Chemistry
Columbia University
New York, NY 10027

Dear Nicholas:

I sincerely hope that you will never say to yourself "I just wish that I'd never helped Alfred Bader to establish a fellowship at Columbia".

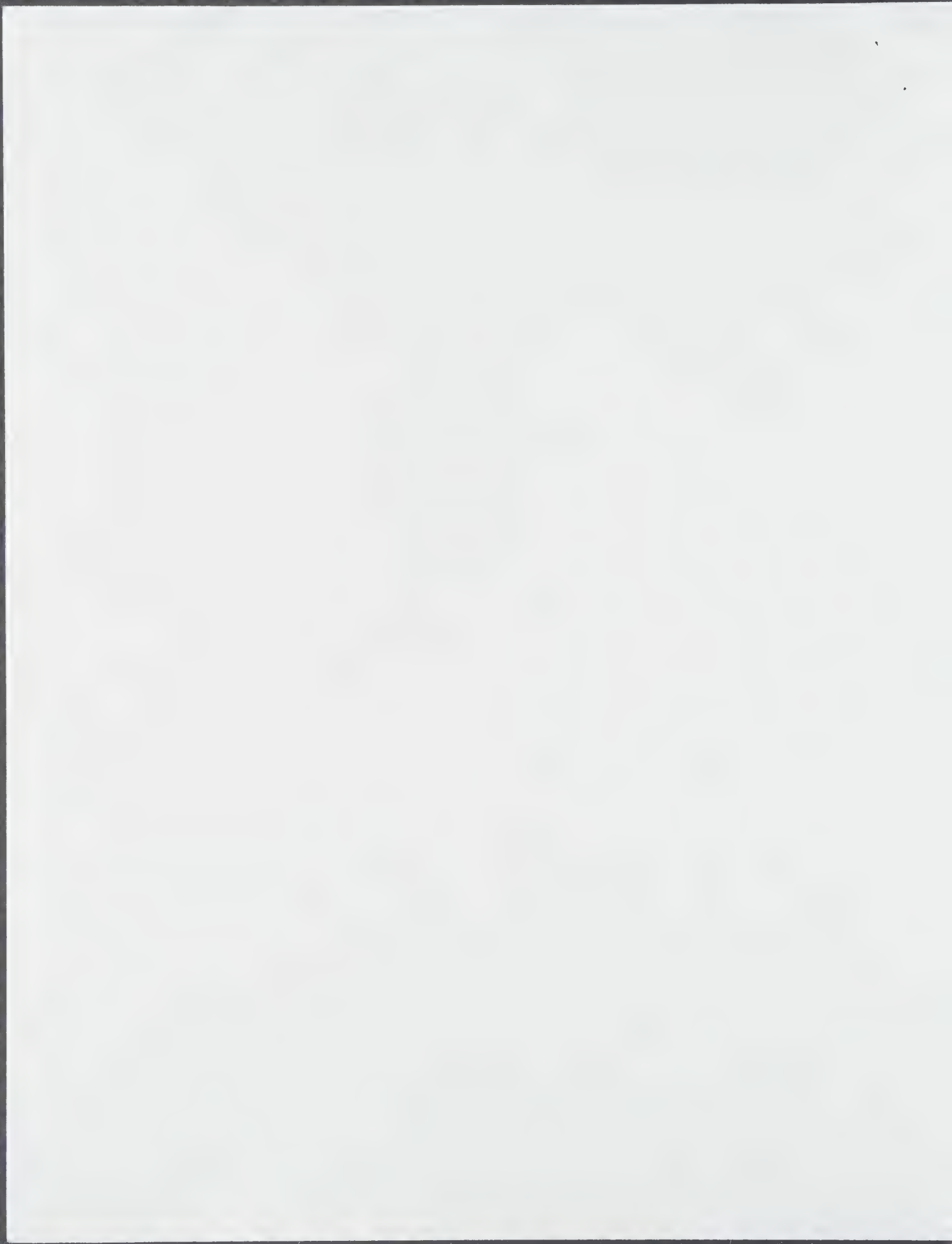
Now is the second time that I would like to bring an error in Columbia's handling to your attention.

You will recall that the first was Columbia's simply forgetting to get a Czech fellow after three years, and that oversight will, I am certain, be corrected shortly.

The next oversight is documented in the description of the 1994-95 Graduate Fellowships, where the Alfred Bader Fellowship in Organic Chemistry is described as being "(a)warded to a qualified student from the Czech Republic or Slovakia pursuing a doctorate in Chemistry."

Enclosed please find a copy of my letter to Dean Macagno written after the Czech Republic and Slovakia separated. You will note that I specifically requested that the student come from the Czech Republic, not from Slovakia.

Of course, if you have not yet picked a student, this will be easily corrected by your picking one from the Czech Republic, and then amending the next booklet describing the graduate fellowships.

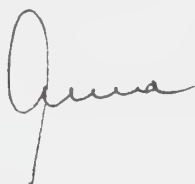


Professor Nicholas Turro
March 20, 1995
Page 2

I think that you will know why I prefer helping Czechs rather than Slovaks. Slovakia was the only country under the Nazis which paid them DM 500 per Jew taken out of Slovakia, that is sent to Auschwitz. Of course you will say correctly that there are many decent and good Slovaks, but I sincerely believe that the Czech Republic is more worthy of help.

With all good wishes, I remain,

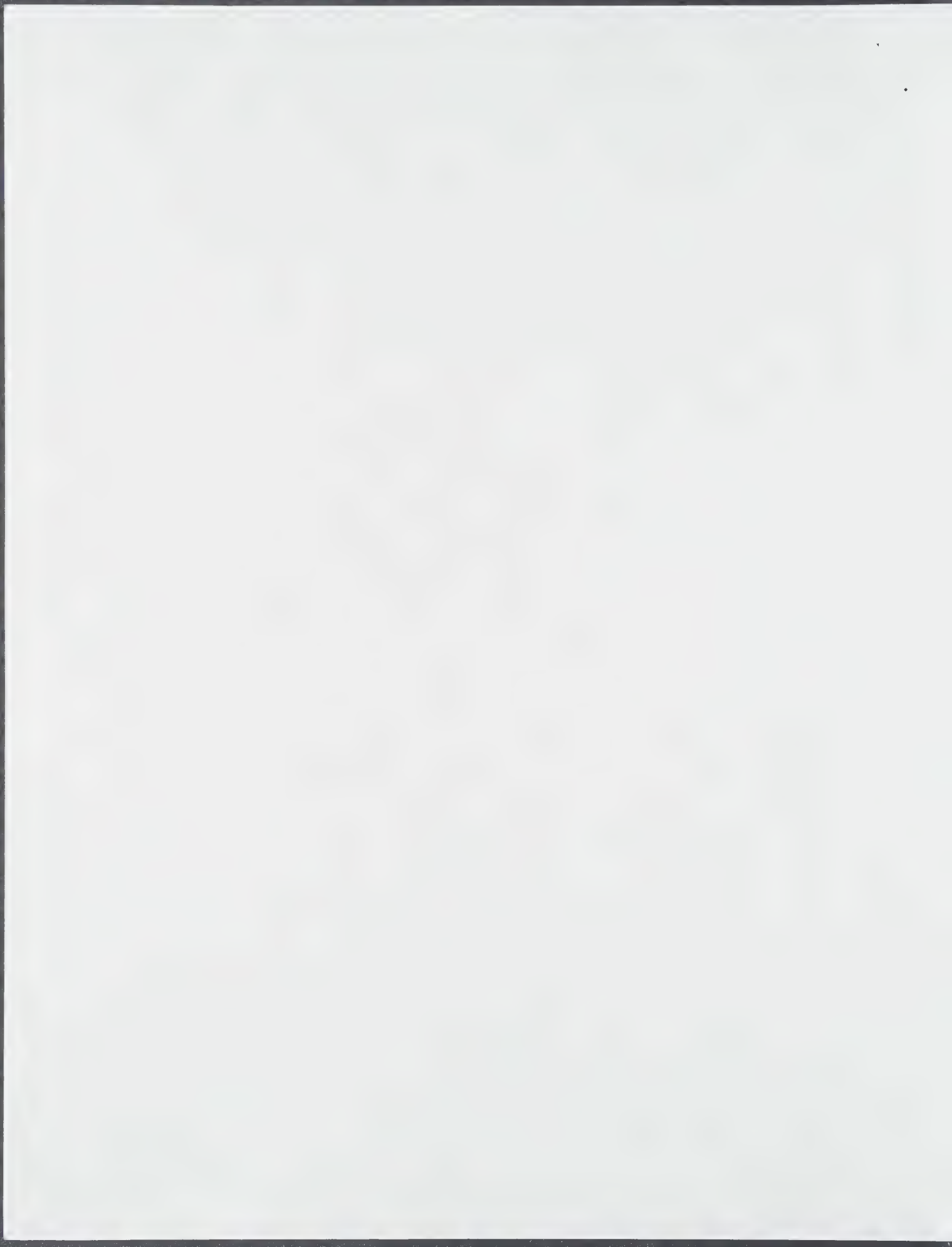
Yours sincerely,

A handwritten signature in cursive script, appearing to read "Anna".

AB/cw

Enclosure

cc: Dean E. Macagno



October 7, 1993

Dr. Eduardo R. Macagno, Dean
Graduate School of Arts & Sciences
Columbia University
Low Memorial Library
New York, New York 10027

Dear Dr. Macagno:

I am so happy to know from your letter of September 29th that the first Czech Bader fellow at Columbia University, Miroslav Rezac, is doing so well.

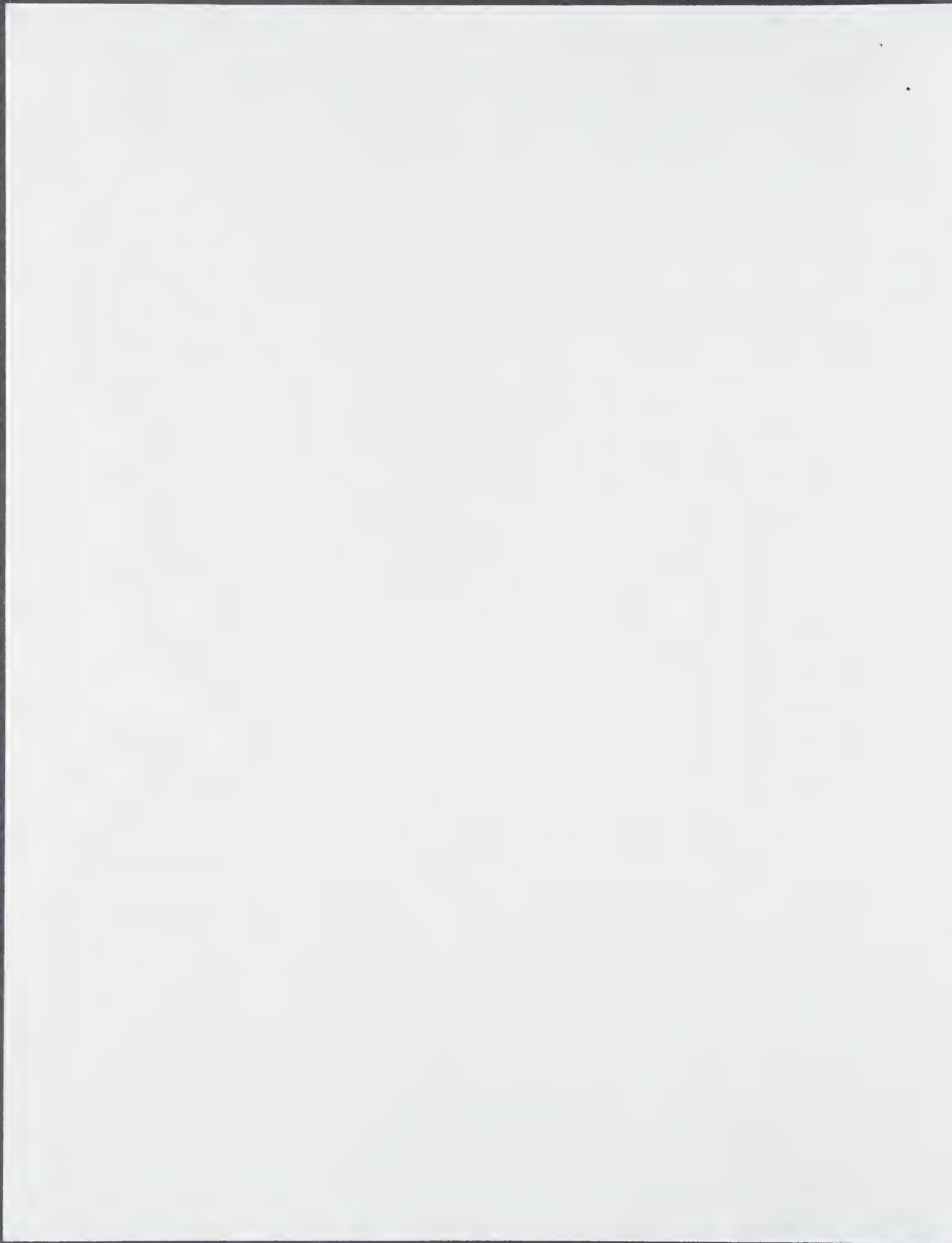
The 1993-4 academic year will be his third and last. Thus next year, you will be looking for another Czech student to come to Columbia to work towards a PhD in organic chemistry. In this connection, allow me to caution you about one previously unforeseen problem. When Columbia wrote to the various chemistry departments in what was then Czechoslovakia, it received eight applications and selected Miroslav Rezac, who is clearly an outstanding student.

The following year, Imperial College in London looked for a Czech student, received only four applications and picked a very able man who is now getting his PhD under Professor Willie Motherwell.

Last year, the University of Pennsylvania sent out requests for applications for the same kind of fellowship in Philadelphia, received only one application, and when the Bader Fellowship was awarded to that chemist he had to advise Professor Amos Smith that he had accepted a fellowship at another university.

I discussed this problem with several organic chemists in the Czech Republic, and they explained that there weren't a great many students of real competence who want to leave the Czech Republic for several years.

Also, I have asked that the Bader Fellowship be awarded only to students from the Czech Republic, rather than from it and Slovak Republic, which made up Czechoslovakia.

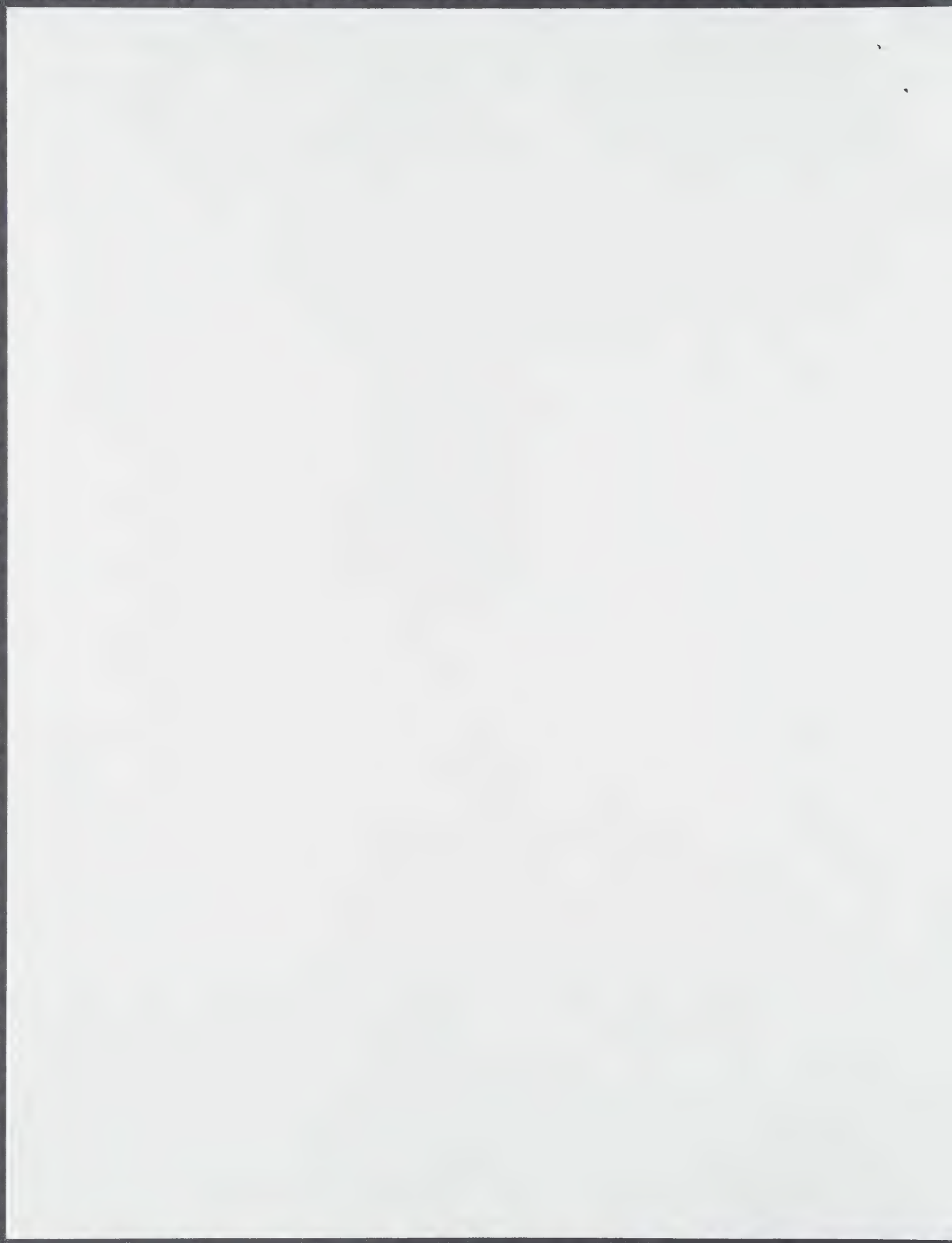


Dr. Eduardo R. Macagno
October 7, 1993
Page Two

Still, I am confident that the great reputation of Columbia University will again lead to a number of excellent applications. Also, you might like to suggest to Miroslav Rezac to communicate with his friends about his fine experiences.

Best wishes,

c: Prof. Nicholas Turro



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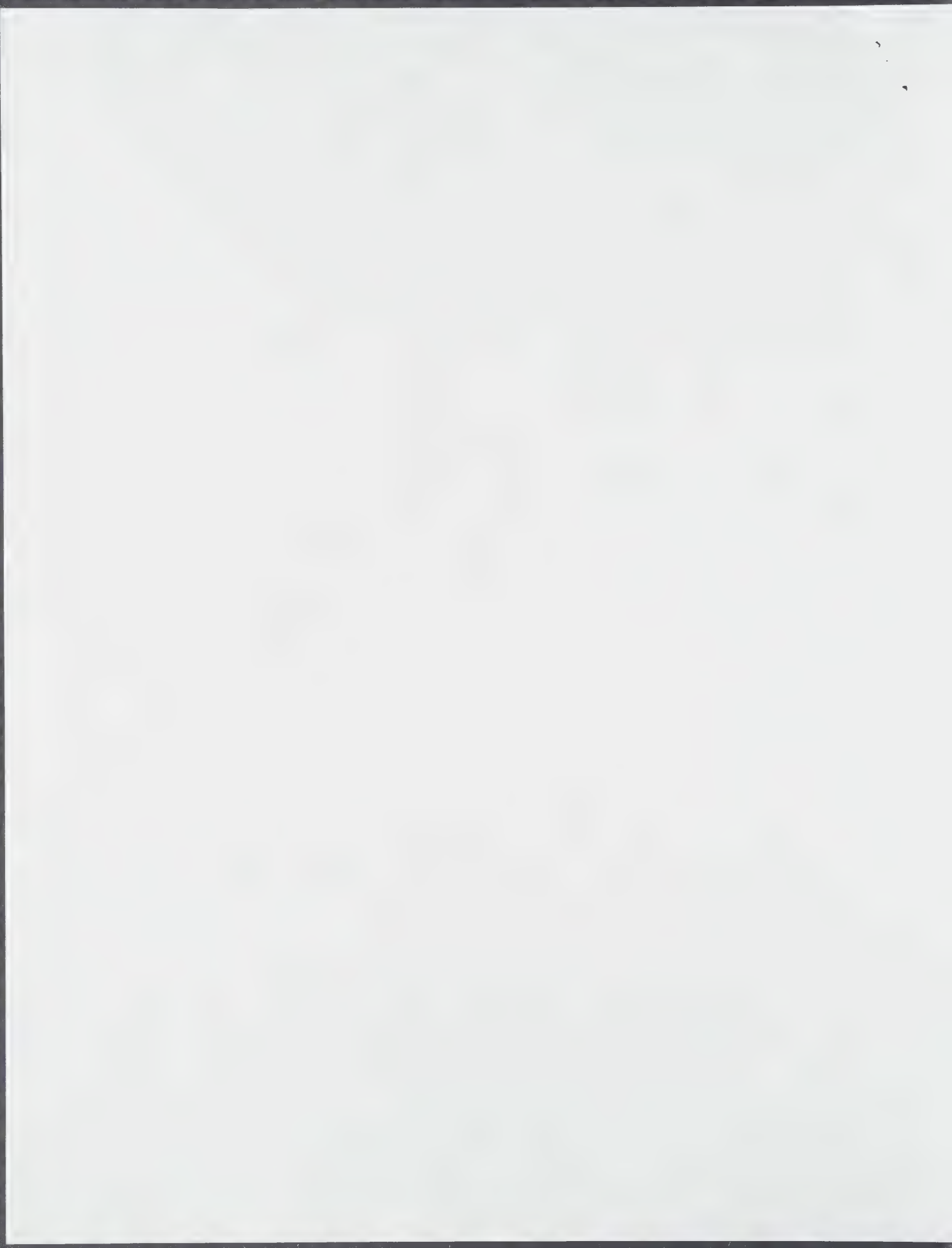
Recipient
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Dr. Marjorie N. Boyer

Recipient
Jay Blumenstein





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

A Chemist Helping Chemists

September 8, 1997

Dr. Eduardo R. Macagno
Dean
Graduate School of Arts and Sciences
Columbia University
109 Low Memorial Library
MC 4308, 535 West 116th Street
New York, NY 10027

Dear Dr. Macagno:

Thank you for your letter of August 28. Dr. Miroslav Rezac's address is as follows:

Dr. Miroslav Rezac
c/o Professor Paul Bartlett
Department of Chemistry
University of California at Berkeley
Berkeley, CA 94720-1460

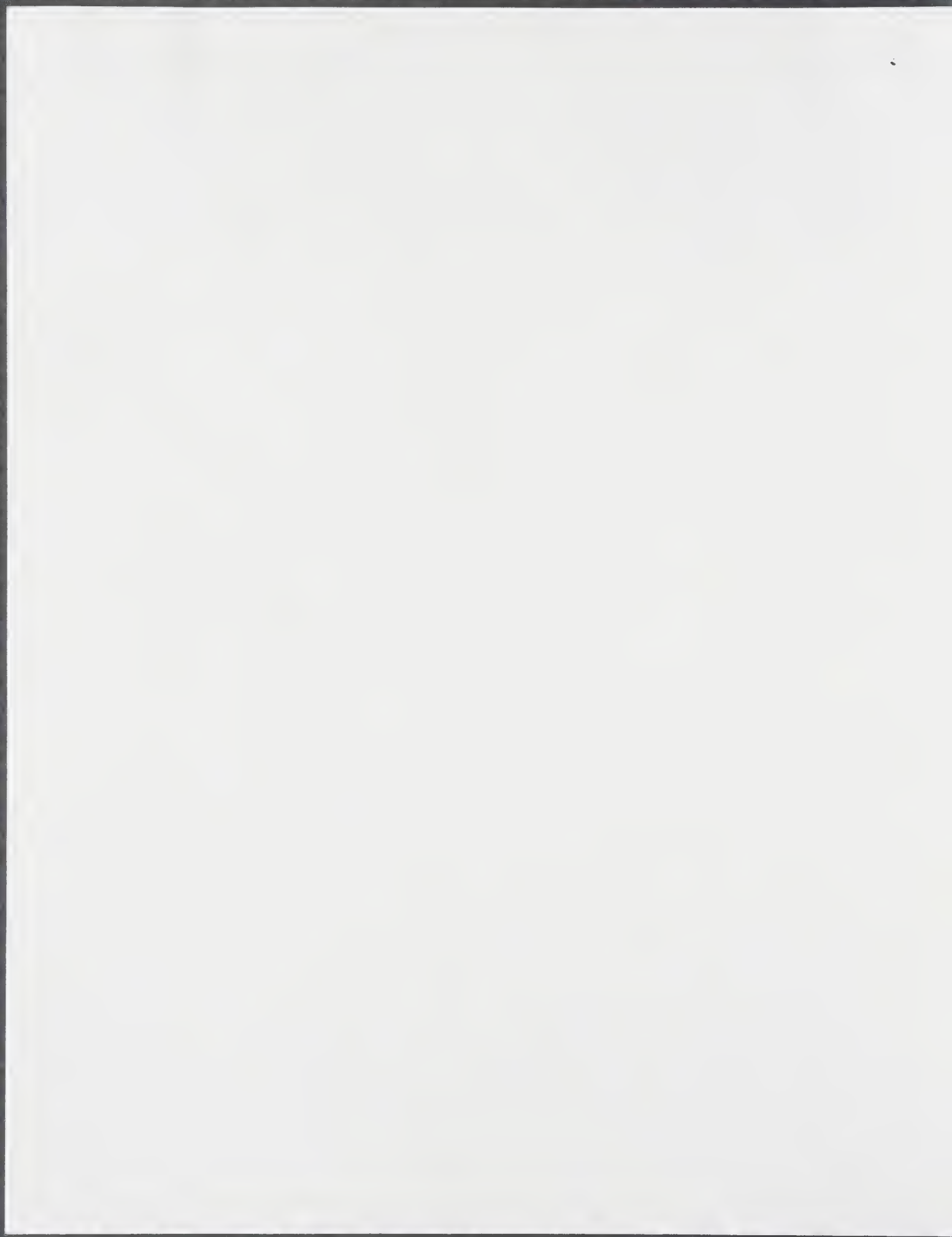
The suggestions for treatment of new fellows came from Dr. Rezac who strikes me as an able and caring person.

Of course you can tell him that the suggestion for an article came from me and I will appreciate a copy when it appears.

With all good wishes, I remain,

Yours sincerely,

AB/nik



Columbia University in the City of New York

New York, N.Y. 10027

GRADUATE SCHOOL OF ARTS AND SCIENCES
Office of the Dean

109 Low Memorial Library
MC 4306 • 535 West 116th Street

August 28, 1997

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

Dear Dr. Bader:

I was very pleased to receive your letter of August 4 and think your idea of having a Bader Fellow do an article for *GSAS News & Views* is a good one.

It might be best if Dr. Miroslav Rezac were to do it, since he was the first Bader Fellow, has earned his Ph.D., and is out in the "working world." If you will send me his address, I'll have the editor of the newsletter get in touch with him. (I presume it will be all right to say that the idea came from you!) I think you're right, too, about it spurring more applications, if that issue were to be distributed among Czech chemistry departments.

The Chemistry Department, however, has a page on the Internet. The address is:

<http://www.columbia.edu/cu/chemistry>

On the other matter you raised about taking better care of the students who are awarded special fellowships, I think your suggestions are very appropriate, and I will pass them along to my colleagues to see if, and how, we might implement them.

Thank you for taking the time to write and for passing along your suggestions. I look forward to hearing from you with Dr. Rezac's mailing address.

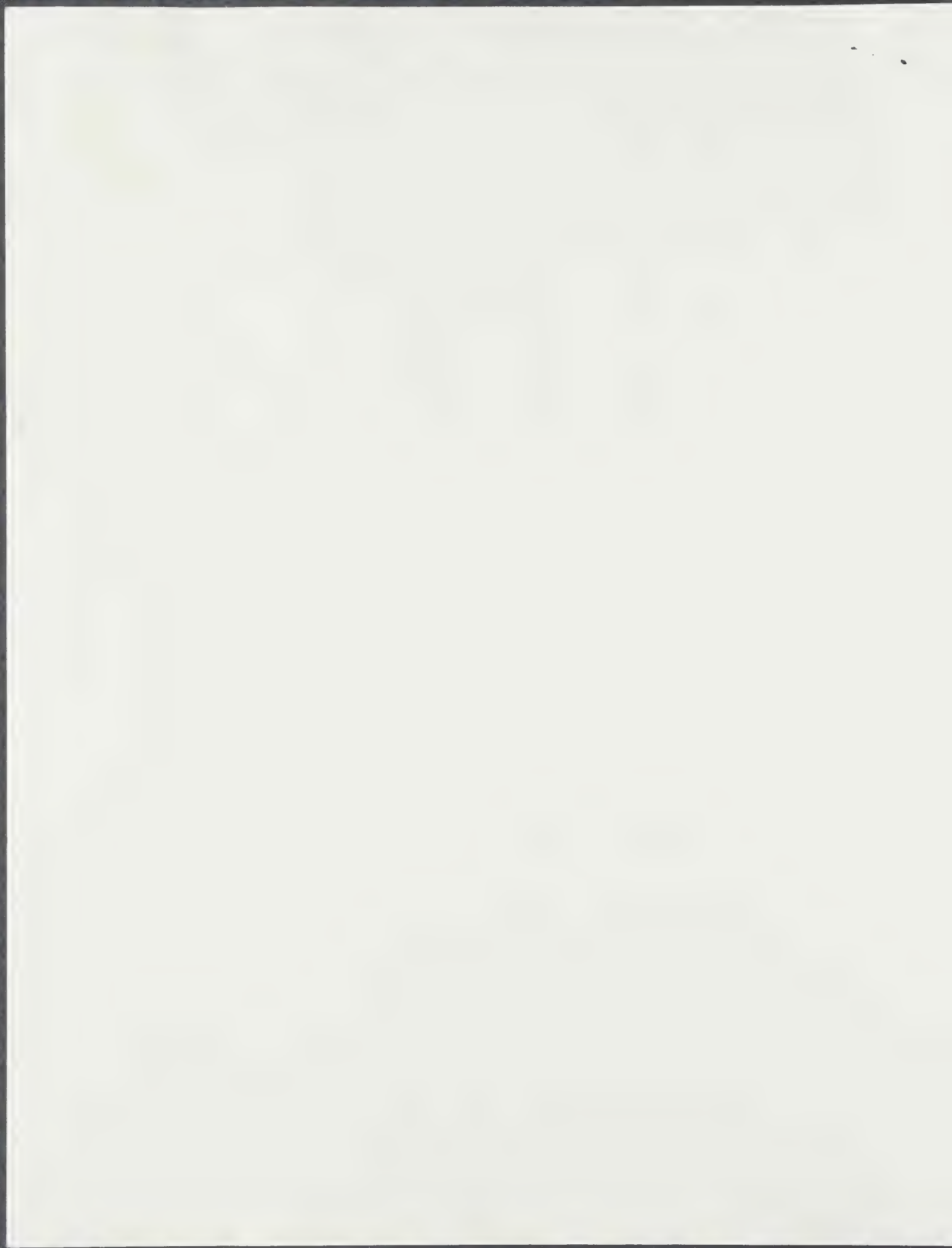
In the meantime, all good wishes from all of us here.

Sincerely,



Eduardo R. Macagno
Dean

ERM:jc





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

A Chemist Helping Chemists

August 4, 1997

Dean Eduardo R. Macagno
Graduate School of Arts and Sciences
Columbia University
109 Low Memorial Library
MC 4306 - 535 West 116th Street
New York, NY 10027

Dear Dean Macagno:

I so appreciate your personal letter of July 29.

It would be great if you could get one of the Czech Bader Fellows in Chemistry to write a brief article about his experiences coming to Columbia. Or you might like to ask the first Bader Fellow, Dr. Miroslav Rezac who has now graduated and is doing post-doctorate work at Berkeley.

I met with him in San Francisco in April and his suggestions will be self-explanatory.

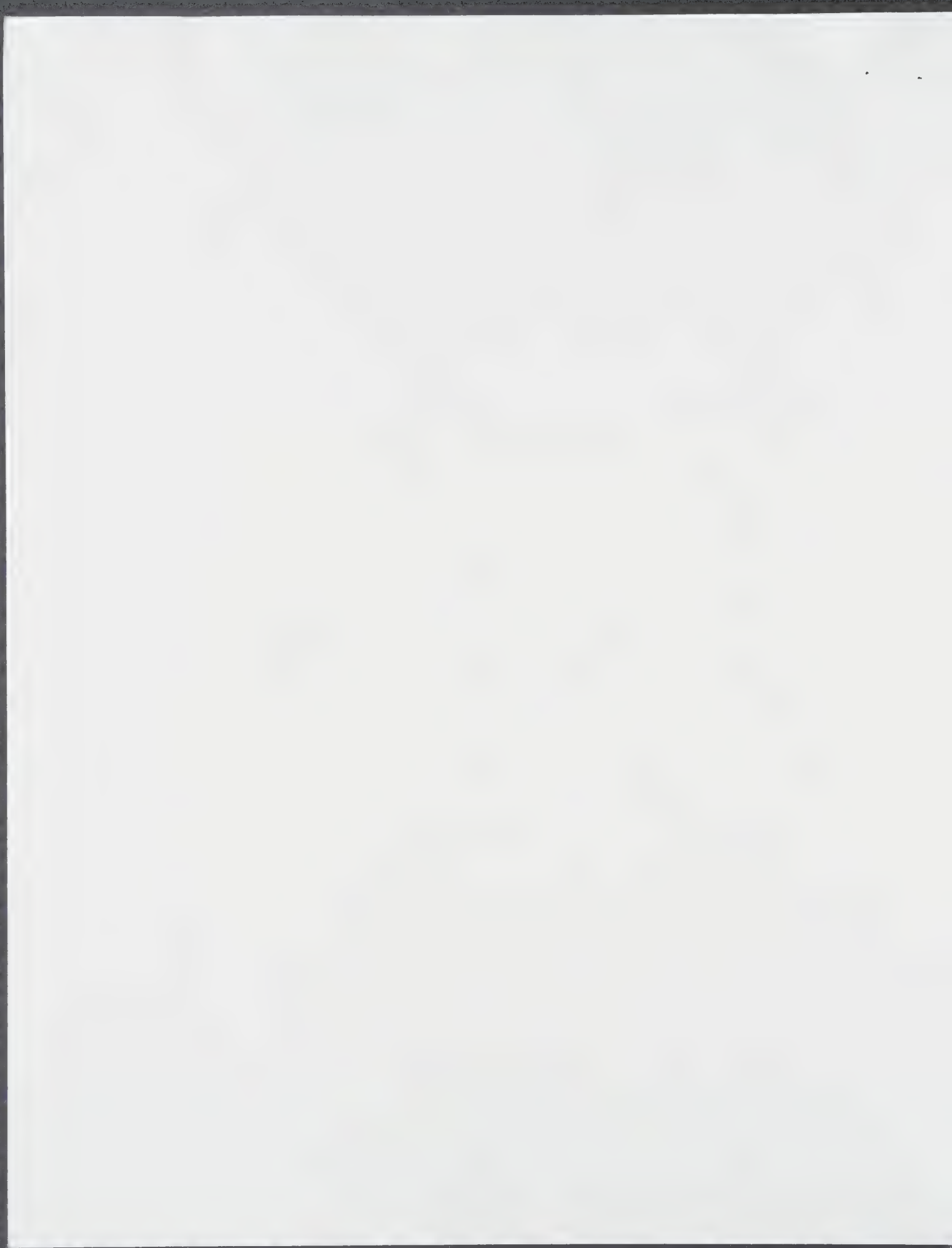
Perhaps such an article published in your fine newsletter could then be circulated among the chemistry departments of the universities in the Czech Republic and would lead to more applications.

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

Yours sincerely,

AB/nik

Enclosure



Columbia University in the City of New York

New York, N.Y. 10027

GRADUATE SCHOOL OF ARTS AND SCIENCES
Office of the Dean

109 Low Memorial Library
MC 4306 • 535 West 116th Street

July 29, 1997

Dr. Alfred Bader
2961 North Shephard Avenue
Milwaukee, WI 53211

Dear Dr. Bader:

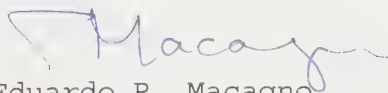
It occurred to me that as someone who helps support our graduate students through a special fellowship, you might like to see our newsletter, *GSAS News & Views*. Three issues are published each year and mailed to alumni who have made a gift of at least \$30 to the Annual Fund.

One of our regular articles, "Student Profile," focuses on a student who has been awarded a fellowship. The student chosen for this issue withdrew at the last minute because she had received a "B" in one of her subjects and didn't feel she deserved to be featured! It proved once again that our students set really high standards for themselves.

The next issue will be published sometime in the fall, and I'll send you a copy of that as well. In the meantime, if you have an idea for an article, I hope you'll feel free to pass it along to me.

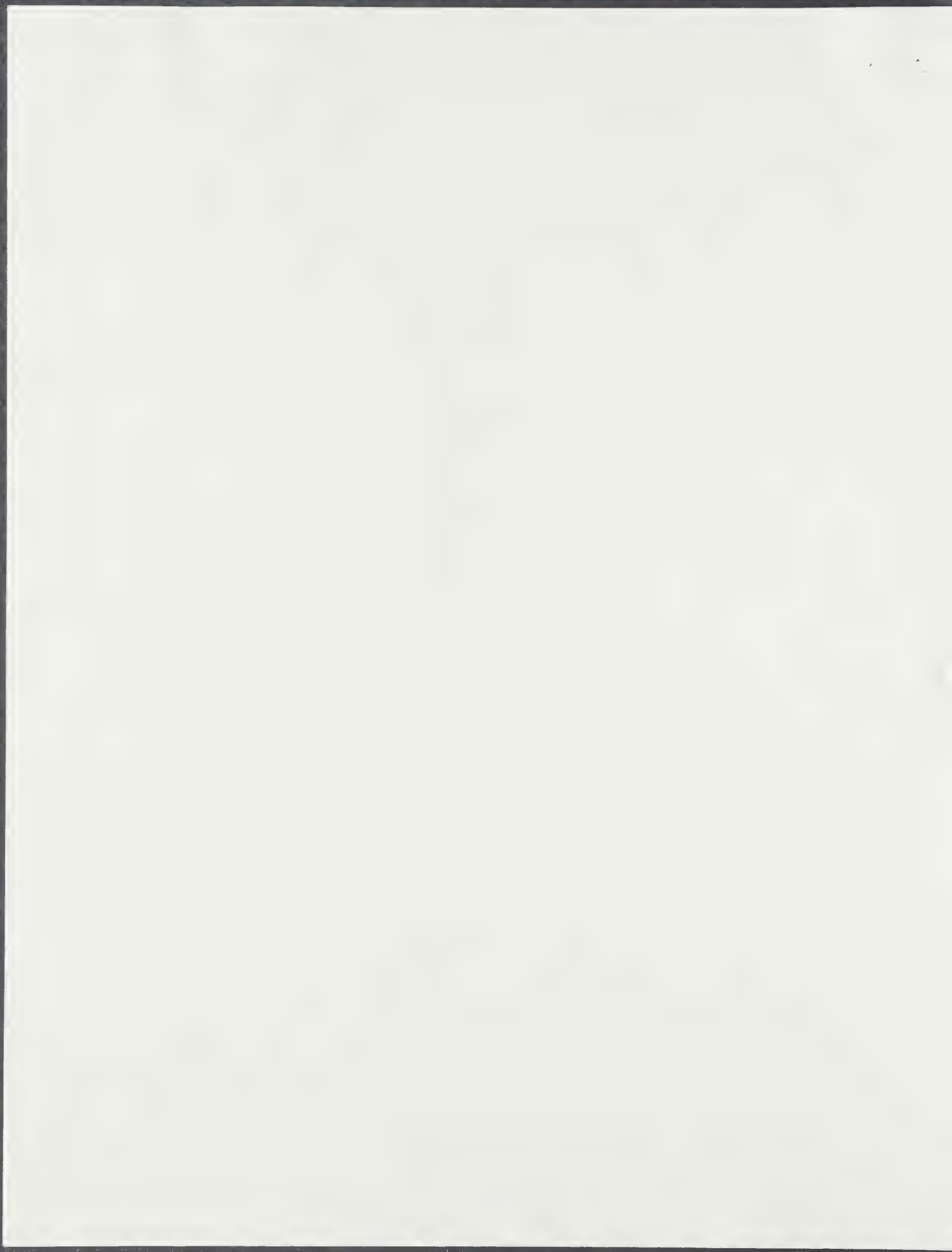
But for now, I wish you and your family a most happy and healthy summer. And I thank you again for your very generous -- and important -- support!

Sincerely,



Eduardo R. Macagno
Dean

ERM:j
Encl.



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

August 1, 1997

Professor Allen Staley
Department of Art History
and Archaeology
Columbia University
New York, NY 10027

Dear Professor Staley:

A long trip to England has delayed my thanking you for your very helpful letter of July the 3rd.

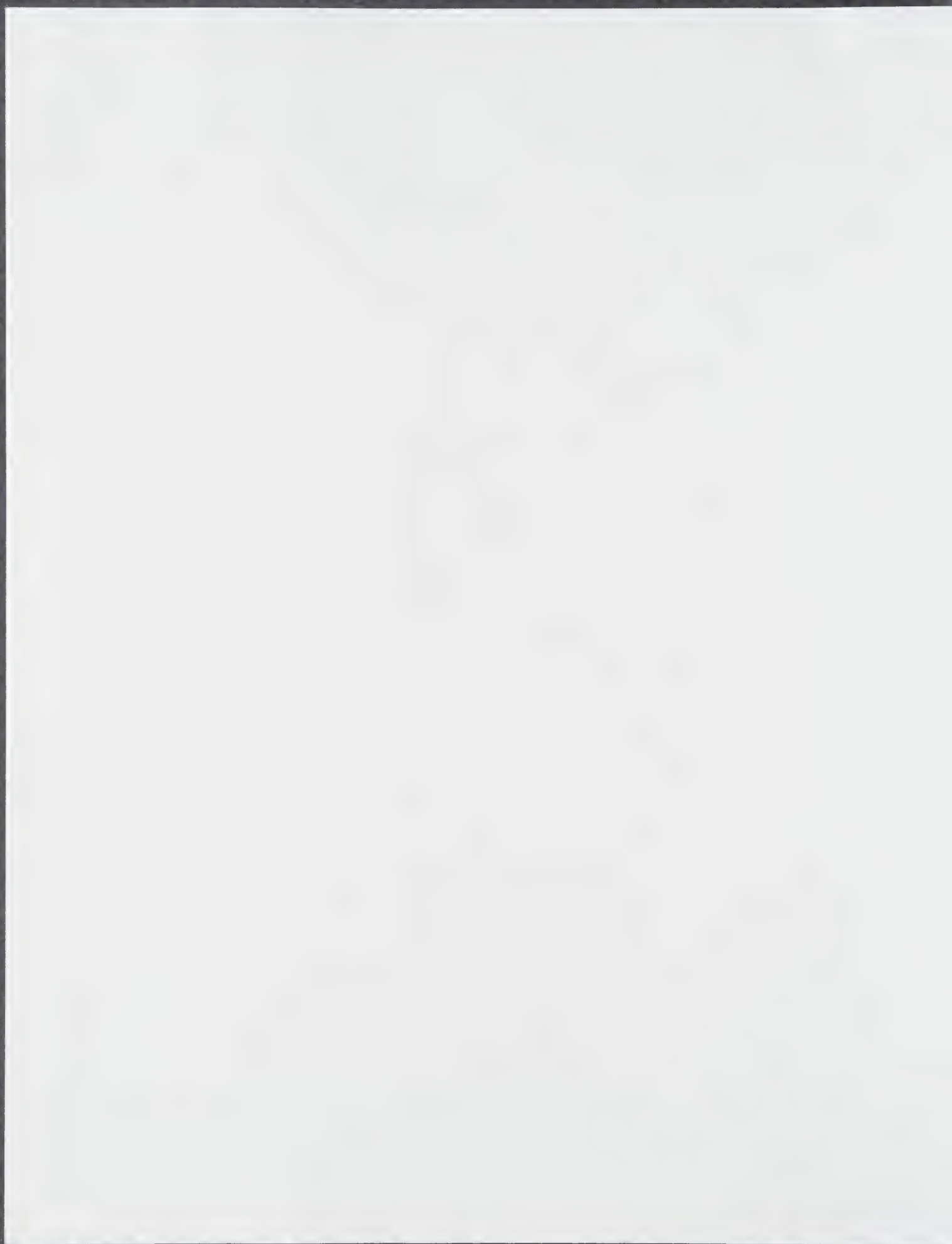
I am writing to Professor Postle immediately to ask his opinion.

I very much hope that we will have a chance to meet, either in New York or Milwaukee, so that I will be able to thank you personally.

Best regards,

Sincerely,

AB/nik



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

May 1, 1997

Professor Alan Staley
Department of Fine Arts
Columbia University
New York, NY 10027

Dear Professor Staley:

I understand that you are the expert on the works of Benjamin West.

Some time ago, Dr. Ivan Gaskell of the Fogg Museum visited me and suggested that a painting which I own is a work by West.

It is oil on canvas, 18-1/2" X 20", and I enclose a black-and-white photograph and a snapshot indicating the color of the painting.

I collect mainly Dutch 17th century paintings, and you may wonder why I acquired such a work, which I considered to be French and late 18th century, until Dr. Gaskell's suggestion.

I purchased it because many years ago, I was the underbidder at Sotheby's of a work by Domenichino, Xerox enclosed, then offered by Dulwich College. Perhaps Benjamin West saw that painting in London.

In any case, I would very much appreciate your letting me know whether you believe that this work is indeed by Benjamin West.

With many thanks and best regards, I remain,

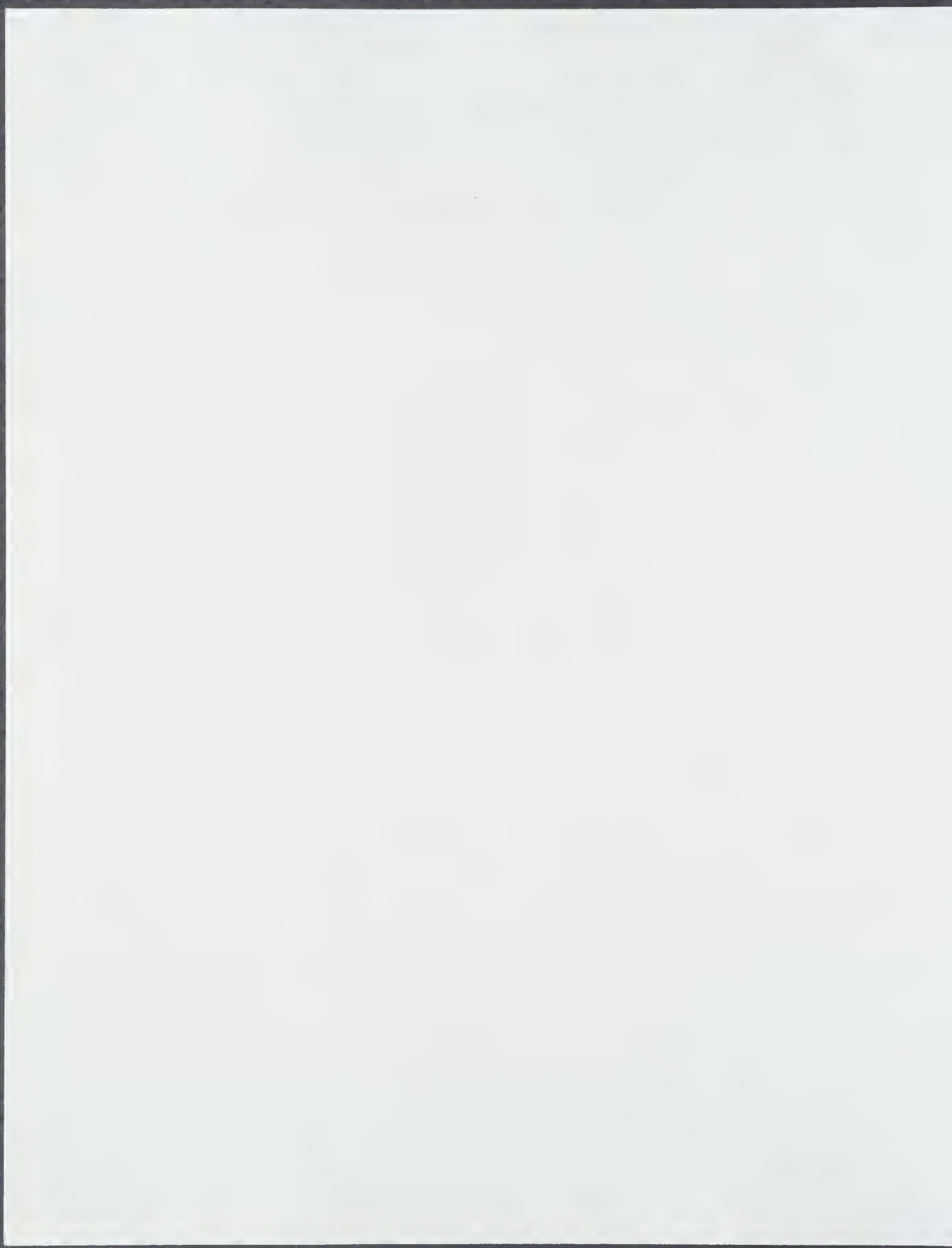
Yours sincerely,

AB/cw

Benjamin West Scholar

Alan Staley
Dept. of Fine Arts
Columbia University
New York, NY 10027
(212) 280-3232

#1491



12/91

Columbia University in the City of New York | New York, N.Y. 10027

DEPARTMENT OF ART HISTORY AND ARCHAEOLOGY
Miriam and Ira D. Wallach Fine Arts Center
Schermerhorn Hall

TELEPHONE: (212) 854-4505
FAX: (212) 854-7329

July 3, 1997

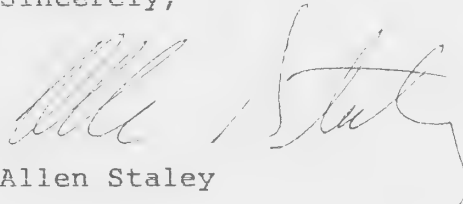
Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee
Wisconsin 53211

Dear Dr. Bader,

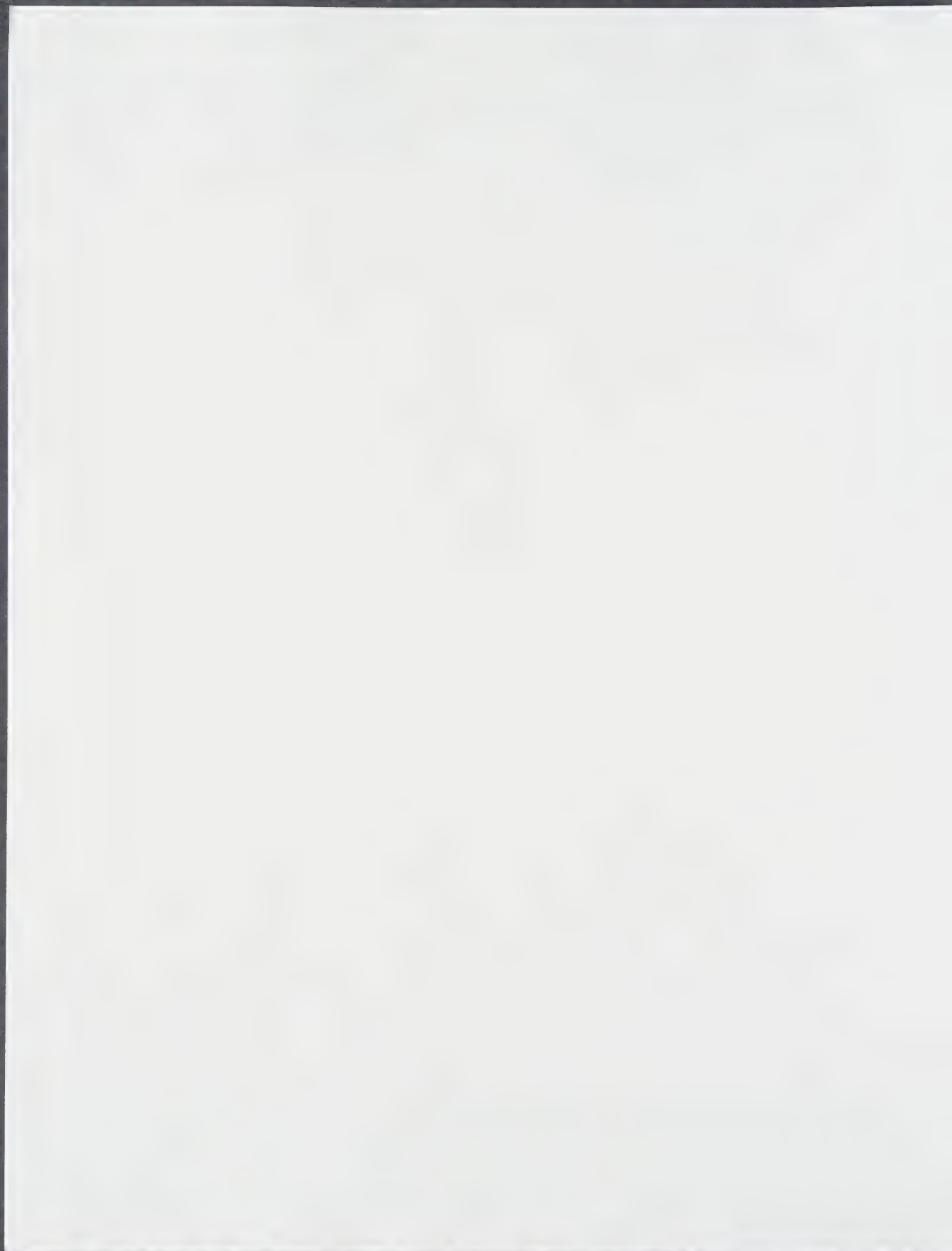
Thank you very much for the copy of your autobiography. You wrote to me on May 1 about one of your pictures. I replied on May 29, saying that I had seen the composition, but was unable to remember where or what the work was. I was right about having seen it before, but wrong in most of the other things I said. Although it is not by West, I should have known what it was and must ruefully acknowledge that Ivan Gaskell's suggestion of West was close to home, much closer than my proposal of LeBrun or someone in his circle.

The work that I was trying to remember, whose appearance is repeated in all details in your picture, is a Nativity by Sir Joshua Reynolds that was destroyed in a fire in 1816 but is known through engravings. The Reynolds was shown at the Royal Academy in 1779 and was a modello or cartoon for the central panel of his great west window for the New College chapel at Oxford. See fig. 18 on p. 32 and fig. 26 on p. 45 of the catalogue of the Reynolds exhibition of 1986 at the Royal Academy and/or pl. 68 and the discussion on pp. 168-184 of Martin Postle, Sir Joshua Reynolds: The Subject Pictures (1995). You might want to send a photograph to Martin Postle, who is on the faculty of the University of Delaware. Incidentally, Postle suggests that Reynolds was partly inspired by the picture by Domenichino which you cite in your letter to me.

Sincerely,



Allen Staley





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

A Chemist Helping Chemists

July 31, 1997

Professor Gilbert Stork
Department of Chemistry
Columbia University
Havemeyer Hall
New York, NY 10027

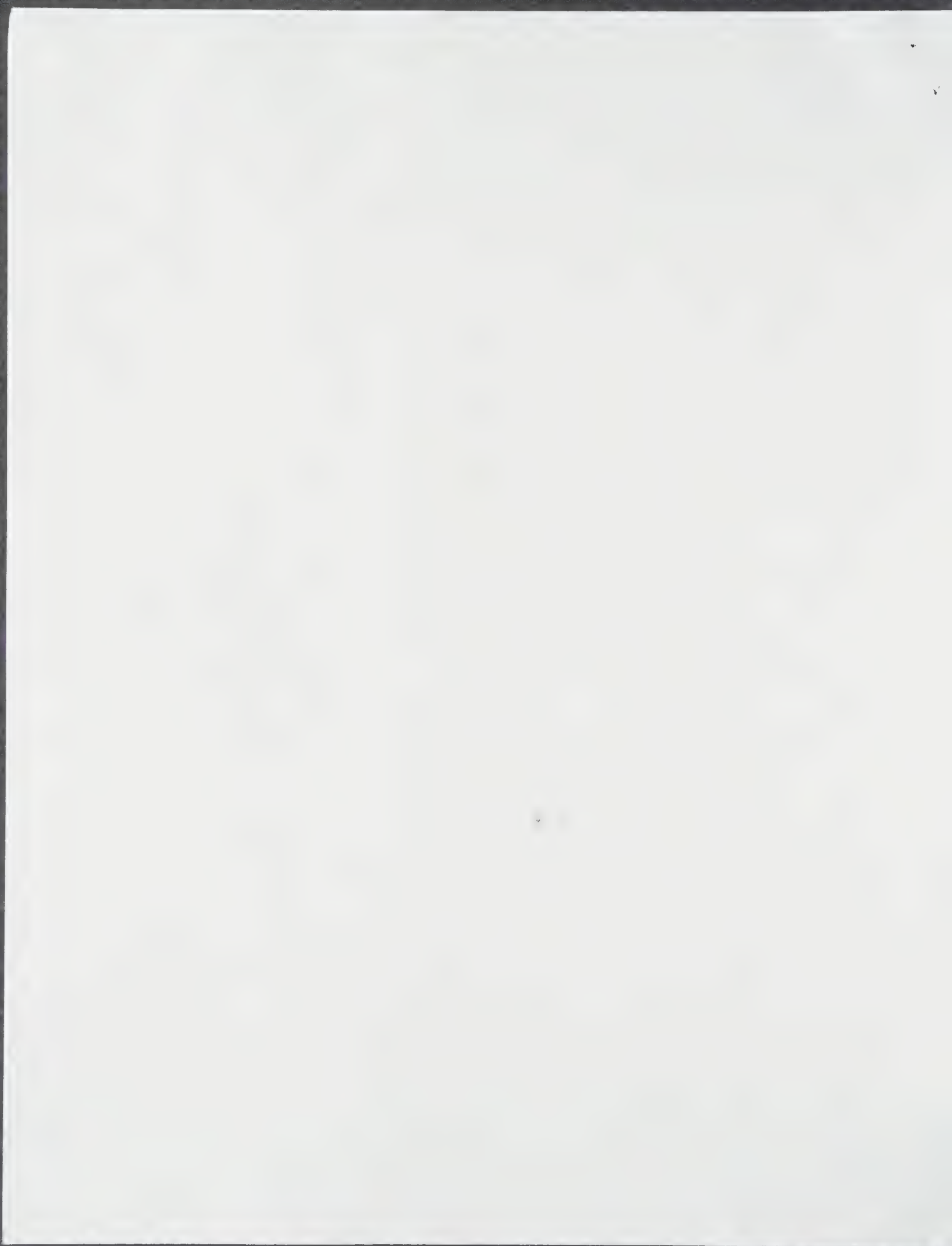
Dear Professor Stork:

I really had to smile when I received your kind note, because I know that it was you who nominated me.

I love you.

Fond regards,

AB/cw



Columbia University in the City of New York

DEPARTMENT OF CHEMISTRY

Havemeyer Hall

New York, N.Y. 10027

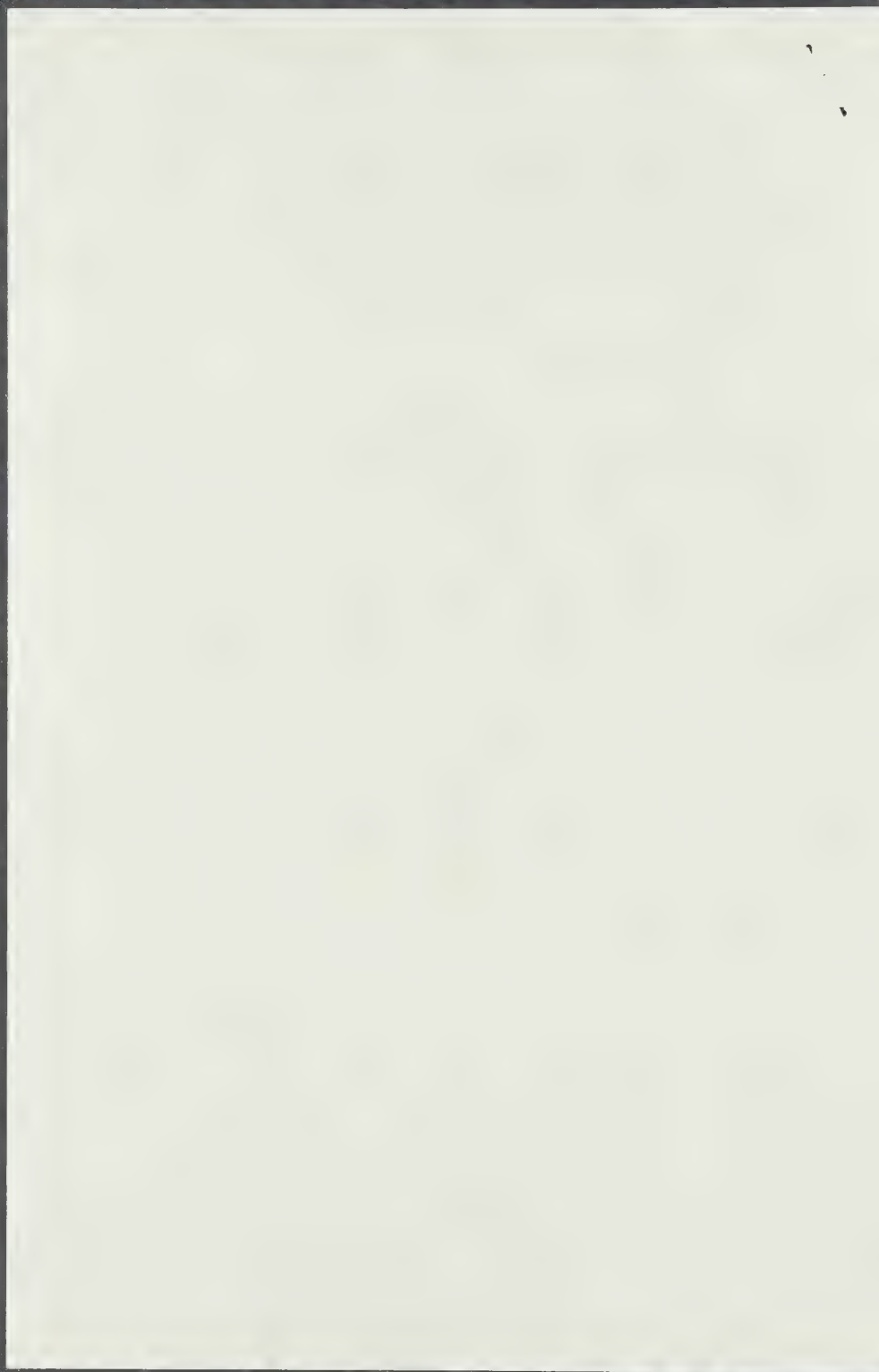
July 24, 1997

Dear Al,

Congratulations on the
award of the gold medal
of the American Institute of
Chemists. Quite an honor!

All best wishes.

Gilbert



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

June 3, 1997

Professor Alan Staley
Department of Fine Arts
Columbia University
New York, NY 10027

Dear Professor Staley:

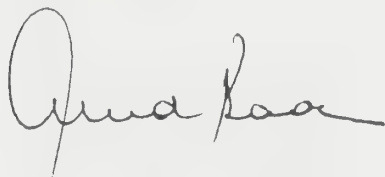
I don't recall when an art historian who doesn't know me from Adam has gone to as much trouble and written as thoughtfully as you did on May 29th.

Please accept my enclosed autobiography as a small token of my appreciation. Chapters 17 and 18 deal with my love of paintings of all kinds.

I hope to have a chance to meet you personally some day, either when you come to Milwaukee or in New York.

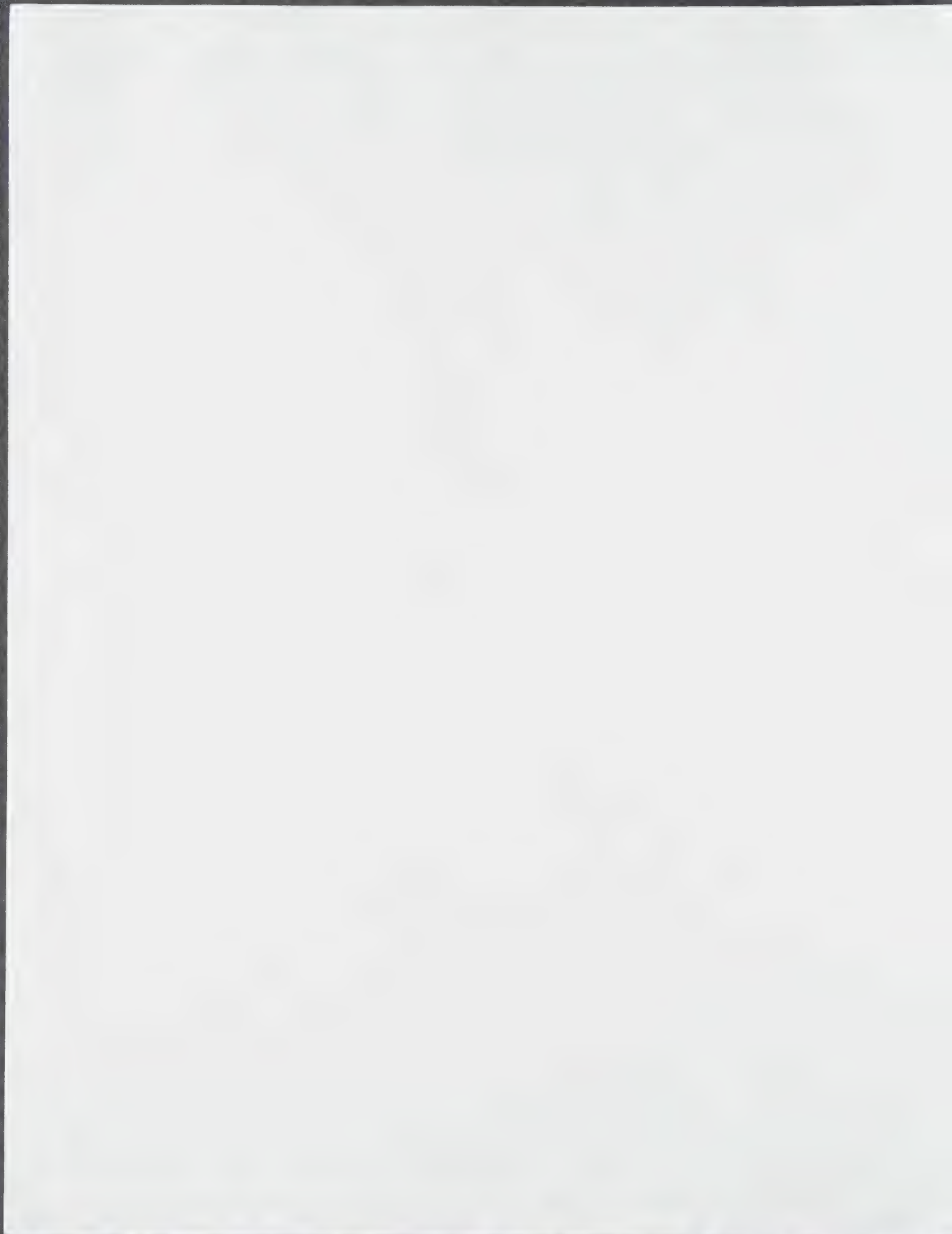
Again, with many thanks and best regards, I remain,

Yours sincerely,

A handwritten signature in cursive script, appearing to read "Alfred Bader". The signature is written in dark ink and is positioned above the typed name "AB/cw".

AB/cw

Enclosure





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

A Chemist Helping Chemists

May 14, 1997

Professor Nicholas Turro
Department of Chemistry
Columbia University
Havemeyer Hall
New York, NY 10027

Dear Nick:

You will recall that it was you who influenced me to establish Fellowships for Czech students to receive their Ph.D.'s at three universities in the United States (Columbia, University of Pennsylvania and Harvard) and at Imperial College.

The first such Fellow, Dr. Miroslav Rezac, whom you know and who is now a post-Doc with Paul Bartlett in Berkeley.

We met with Miroslav at the San Francisco ACS meeting and his suggestions for how to improve the details of the fellowships apply to all four universities and so I enclose a copy.

I was happy to know that the second Fellow at Columbia is now with Professor Katz. You will recall that Columbia forgot to appoint the second Fellow in the third year and appointed him in the fourth. Thus I am sure that you will now look for the third Fellow after just two years, in order to catch up.

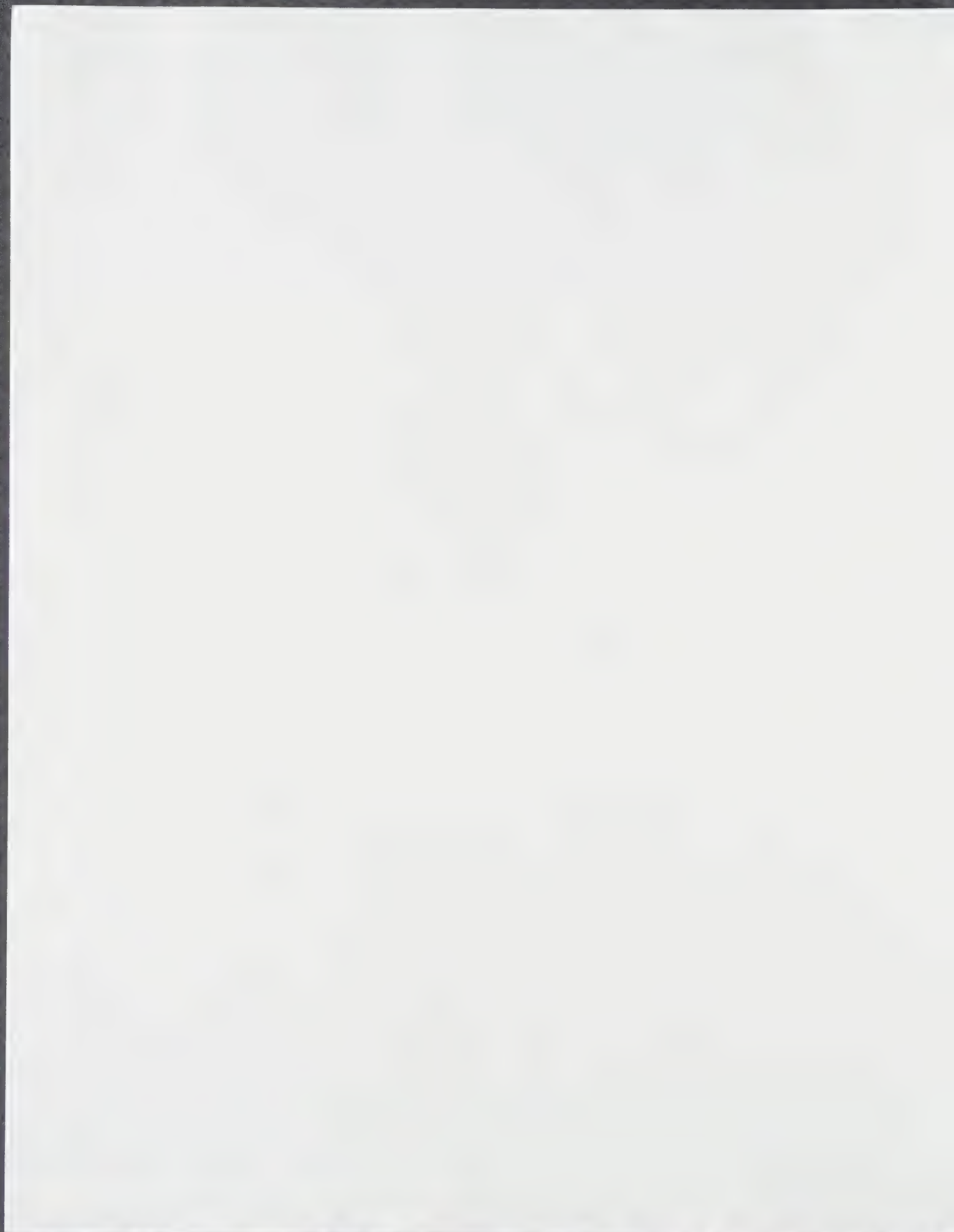
With all good wishes from Isabel and me, I remain,

Yours sincerely,

AB/nik

Enclosure

cc: Harish Eising



Columbia University in the City of New York | New York, N.Y. 10027

GRADUATE SCHOOL OF ARTS AND SCIENCES
Office of the Dean

Low Memorial Library

May 6, 1996

Dr. Alfred Bader
2961 North Shephard Avenue
Milwaukee, WI 53211

Dear Dr. Bader:

I'm sorry you weren't able to join us at the Graduate School's Fellowship Reception last week.

In looking around the room that night and seeing how deeply engrossed in conversation everyone was, it seemed clear that both the fellowship benefactors and the students they are supporting were pleased to be there.

Copies of the 1995-96 Fellowship brochure were distributed at the reception, and I'm enclosing a copy with this letter. It's one way we have of saying "thank you" in a public way, and I hope that this recognition brings you much pleasure and satisfaction.

Again, I would like to say how very grateful all of us at the Graduate School are for the invaluable support and encouragement that your fellowship provides.

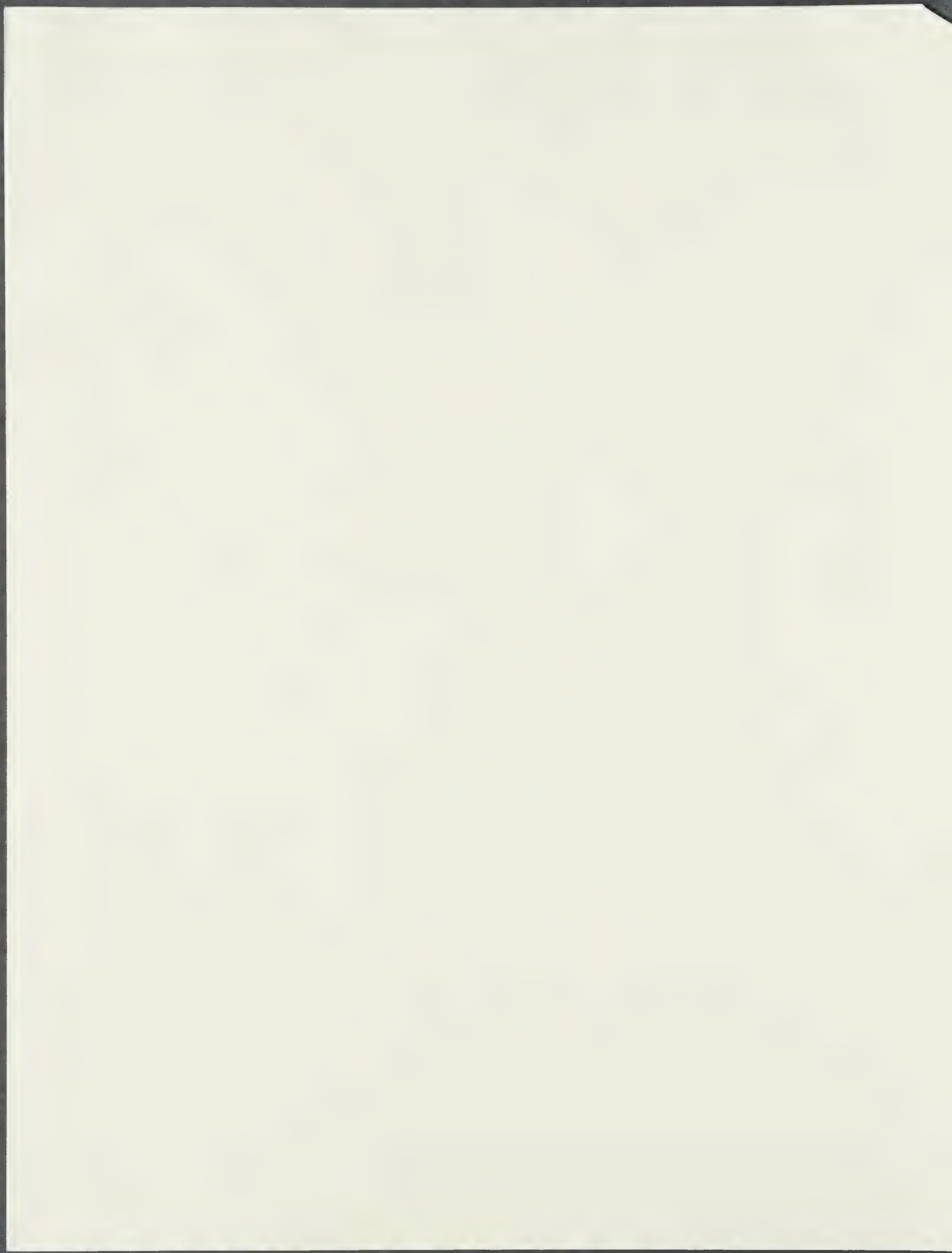
Sincerely,



Eduardo R. Macagno
Dean

ERM:j
Enc.

P.S. I'd be happy to send additional copies of the brochure if you would like them. Just call (212/870-3413) or drop me a note.





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

A Chemist Helping Chemists

June 5, 1996

Professor Gilbert Stork
Department of Chemistry
Columbia University
Havemeyer Hall
New York, NY 10027

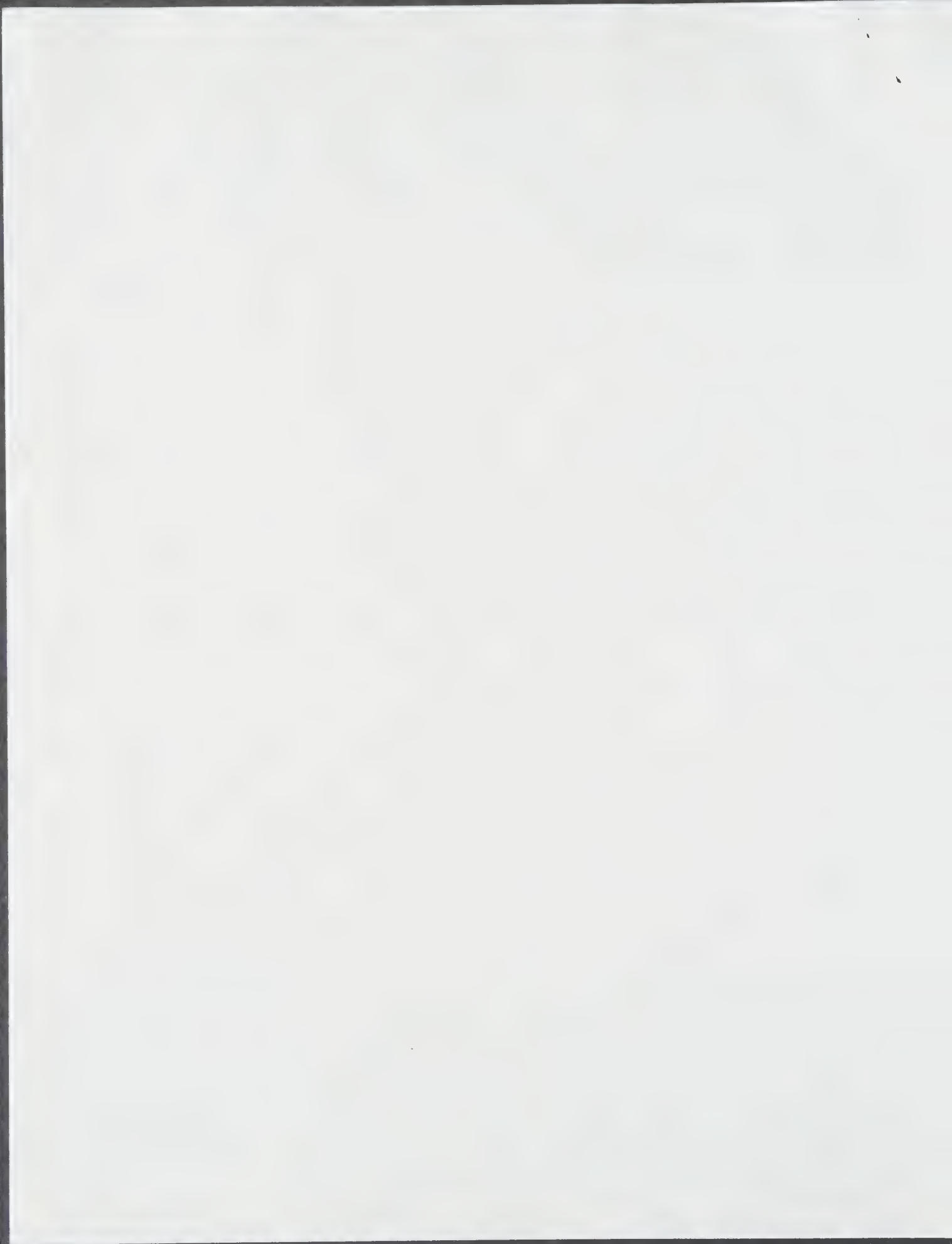
Dear Professor Stork:

Dr. Bader was sad to learn from your fax of last week that you did not receive the book he sent you last year. A copy is enclosed. Dr. Bader will be happy to inscribe it for you when next he sees you.

As you may know, Dr. and Mrs. Bader are in England and on the Continent through the end of July.

Best wishes,

Cheryl Weiss
Office Manager



DEPARTMENT OF CHEMISTRY FACSIMILE COVER SHEET

TO: _____

FROM: *AG 17 STORR*
Alumina, 10/24/76

TRANSMITTAL DATE: _____

TRANSMITTAL TIME: _____

NUMBER OF PAGES TO FOLLOW: *one*

MESSAGE: _____
The following is a copy of a letter from the author of the above mentioned article. It is being sent to you for your information.

AG 17

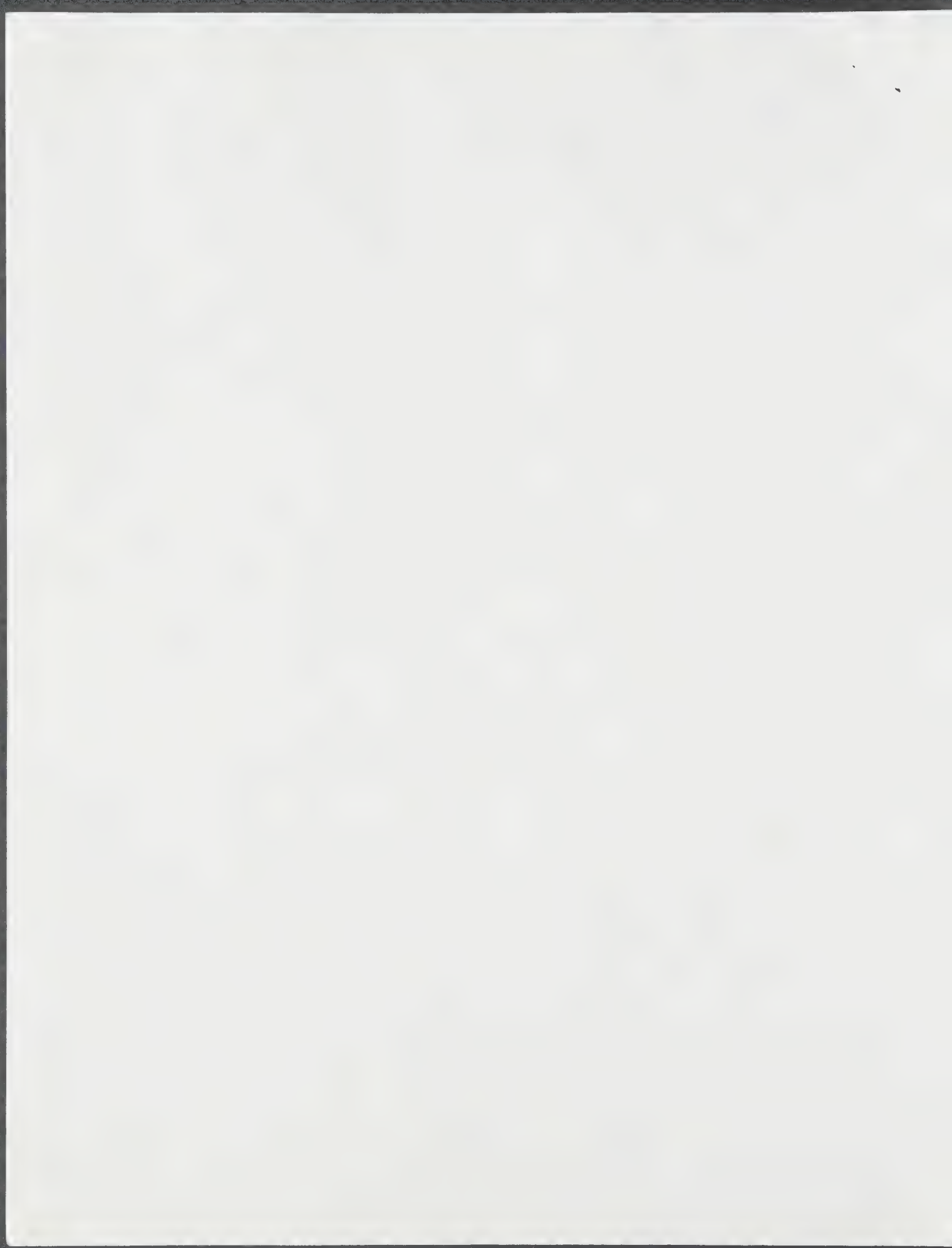
A BADER FELLOWSHIP FOR A CZECHOSLOVAK
STUDENT FOR GRADUATE STUDY IN ORGANIC CHEMISTRY
AT COLUMBIA UNIVERSITY

**The Alfred Bader Graduate Fellowship in
Organic Chemistry**

The **Bader Fellowship** will be awarded to a qualified Czechoslovak student who is accepted for admission to the Graduate School of Arts & Sciences of Columbia University to pursue a Ph.D. degree in Chemistry. Candidates who have completed or expect to complete an undergraduate degree in Chemistry by June 15, 1991 are encouraged to apply.

The following information should be noted by applicants:

1. You should complete the application materials available from the Graduate School of Arts & Sciences of Columbia University. These application forms are available from the Chairman, Graduate Admissions Committee, Box 368 Havemeyer Hall, Columbia University, New York, NY 10027 (U.S.A.) or from certain Department Chairmen.
2. With submission of the application materials you must indicate that you are applying for the **Bader Fellowship**.
3. The application fee for admission to Columbia University will be waived for applicants for the Bader Fellowship. The Fellow will receive an annual stipend of \$13,500 for the first three years to cover his/her living expenses; Tuition fees and laboratory research expenses will be paid by Columbia University and the Fellow's Ph.D. research sponsor.
4. The Bader Fellow will be paid a stipend of \$500. to assist the cost of travel from Czechoslovakia to the U.S. Upon completion of the Ph.D. degree, a similar stipend will be provided to assist the cost of travel from the US to Czechoslovakia.
5. The candidate will be selected based on his/her academic record and three letters of recommendation. In addition, evidence of fluency in oral and written English will be given high priority in the selection of the Bader Fellow.
6. Deadline for applications is June 1, 1991.



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

A Chemist Helping Chemists

August 31, 1995

Ms. Joan Sberro
Coordinator
Department of Chemistry
Columbia University
Havemeyer Hall
New York, NY 10027

Dear Ms. Sberro:

A long trip to Europe has delayed my thanking you for your letter of July 25th regarding the Bader Fellowship in your department.

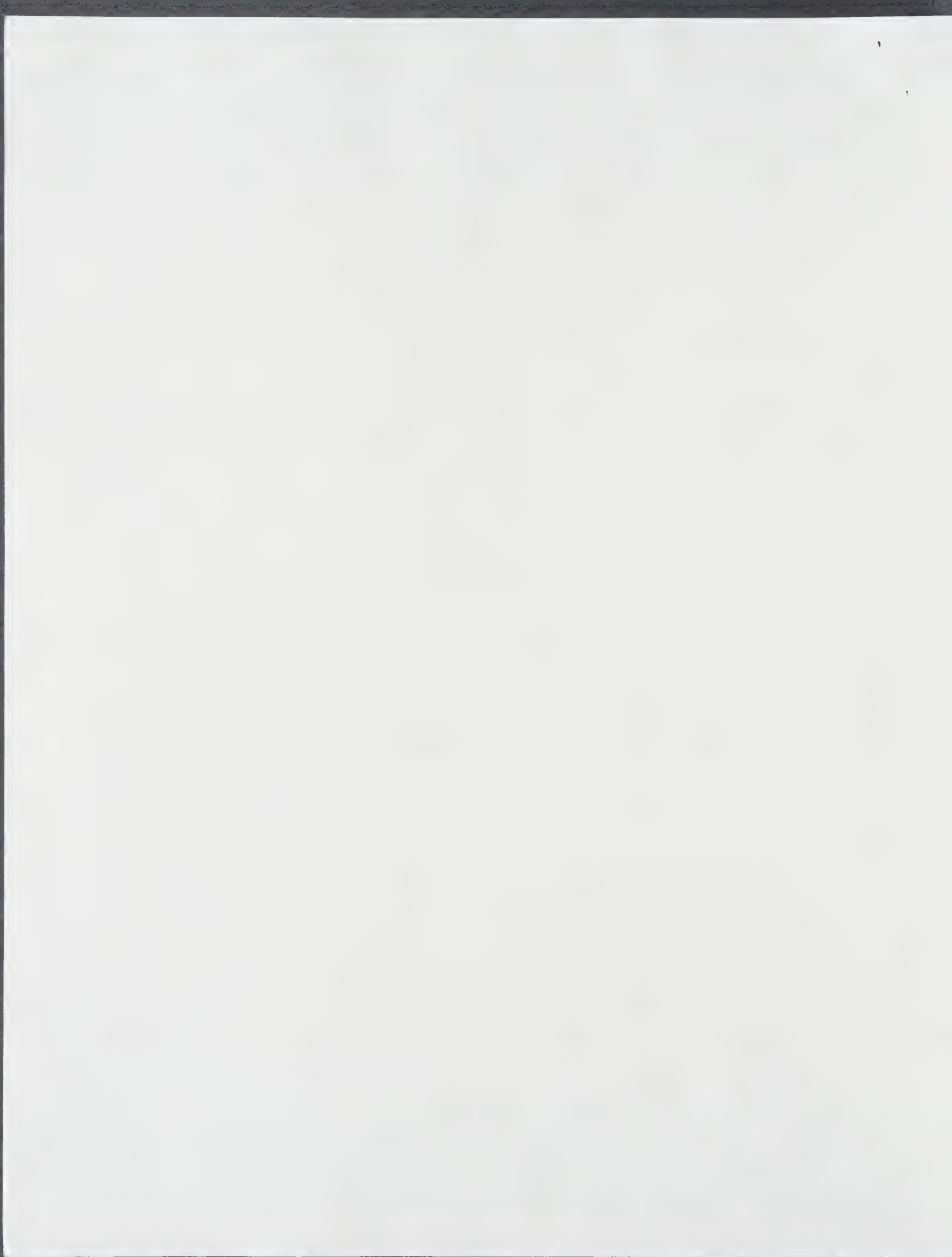
I was delighted to learn from Professor Ronald Breslow that you have a new Fellow beginning next month, and I am sure that you will remember to look for the third Fellow two years from now.

It was good to know that Hannah Evans and Miroslav Rezac were able to be helpful. And what a bit of luck that the very first Bader Fellow, Miroslav, is so competent.

With all good wishes, I remain,

Yours sincerely,

AB/cw



Columbia University in the City of New York | *New York, N.Y. 10027*

DEPARTMENT OF CHEMISTRY

Havemeyer Hall
FAX: (212) 932-1289

July 25, 1995

Dr. Alfred Bader
924 East Juneau Avenue, Suite 622
Milwaukee, WI 53202

Dear Dr. Bader:

I would like to bring you up to date on developments with the Bader Fellowship here. We now have a prospective fellow and are working to process his application materials; everything looks very good.

Hannah Evans visited the Department today and had lunch with myself and Miroslav. We're putting our heads together to come up with an informational packet for Czech students to de-mystify the process of applying to an American university. We came up with some great ideas to make it a more personal process, as well as ideas for recruiting a pool of applicants. You may have also received a letter from Prof. Oldrich Paleta who indicated to me that he would contact you regarding some suggestions regarding preparation of students and advertising of the Fellowships. You have done quite a service in establishing these Fellowships and although we may have gotten off to a rocky start we are gaining an understanding of how we can develop and enhance the Fellowships to fully realize your vision.

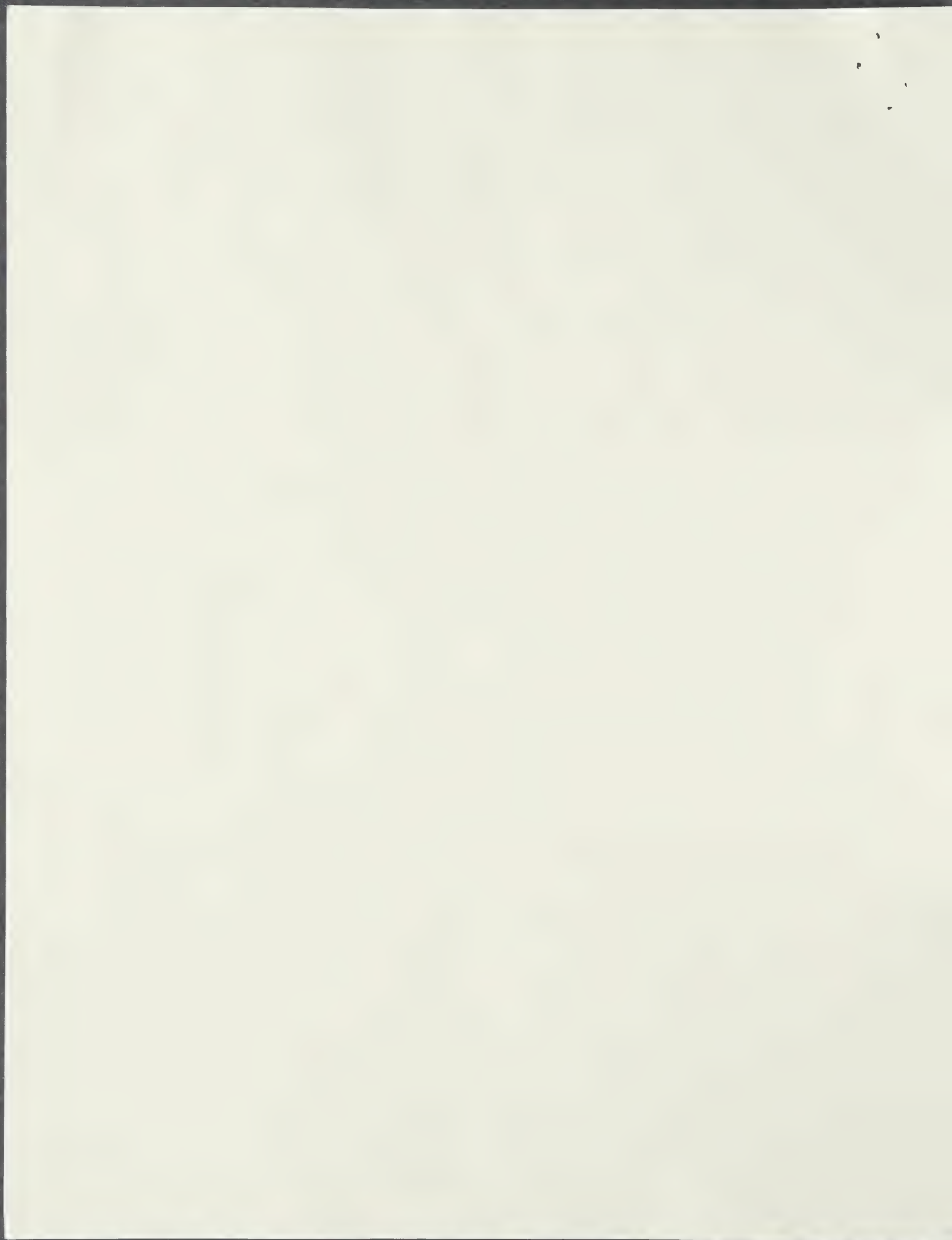
I would also like to extend an invitation to you to attend the Chemistry Department's reception at the ACS meeting in Chicago. We will be having an alumni social hour on Monday, Aug. 21st, at 6:00 pm in the Arkansas room of the Sheraton Chicago Hotel & Towers. I am not sure at the moment if I will be attending but several faculty members will be there.

I will keep you posted regarding developments here and if we do not have the opportunity to meet in Chicago, I look forward to meeting you sometime soon.

Sincerely,



Joan Sberro
Coordinator



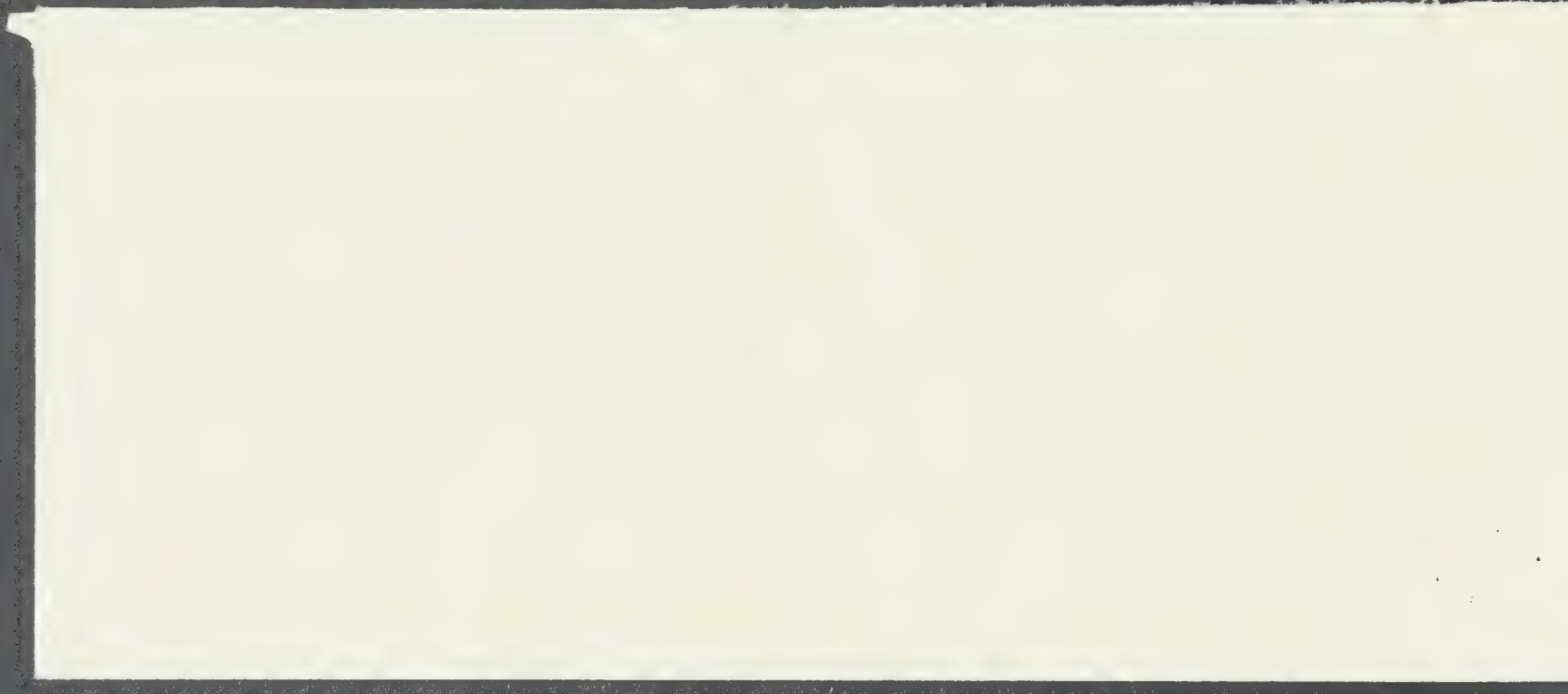
Columbia University
in the City of New York
New York, N. Y. 10027

DEPARTMENT OF CHEMISTRY

Dr. Alfred Bader
924 East Juneau Avenue, Suite 622
Milwaukee, WI 53202

53262-2748 58





Columbia University in the City of New York | New York, N.Y. 10027

DEPARTMENT OF CHEMISTRY

Havemeyer Hall
FAX: (212) 932-1289

June 30, 1995

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

Dear Dr. Bader:

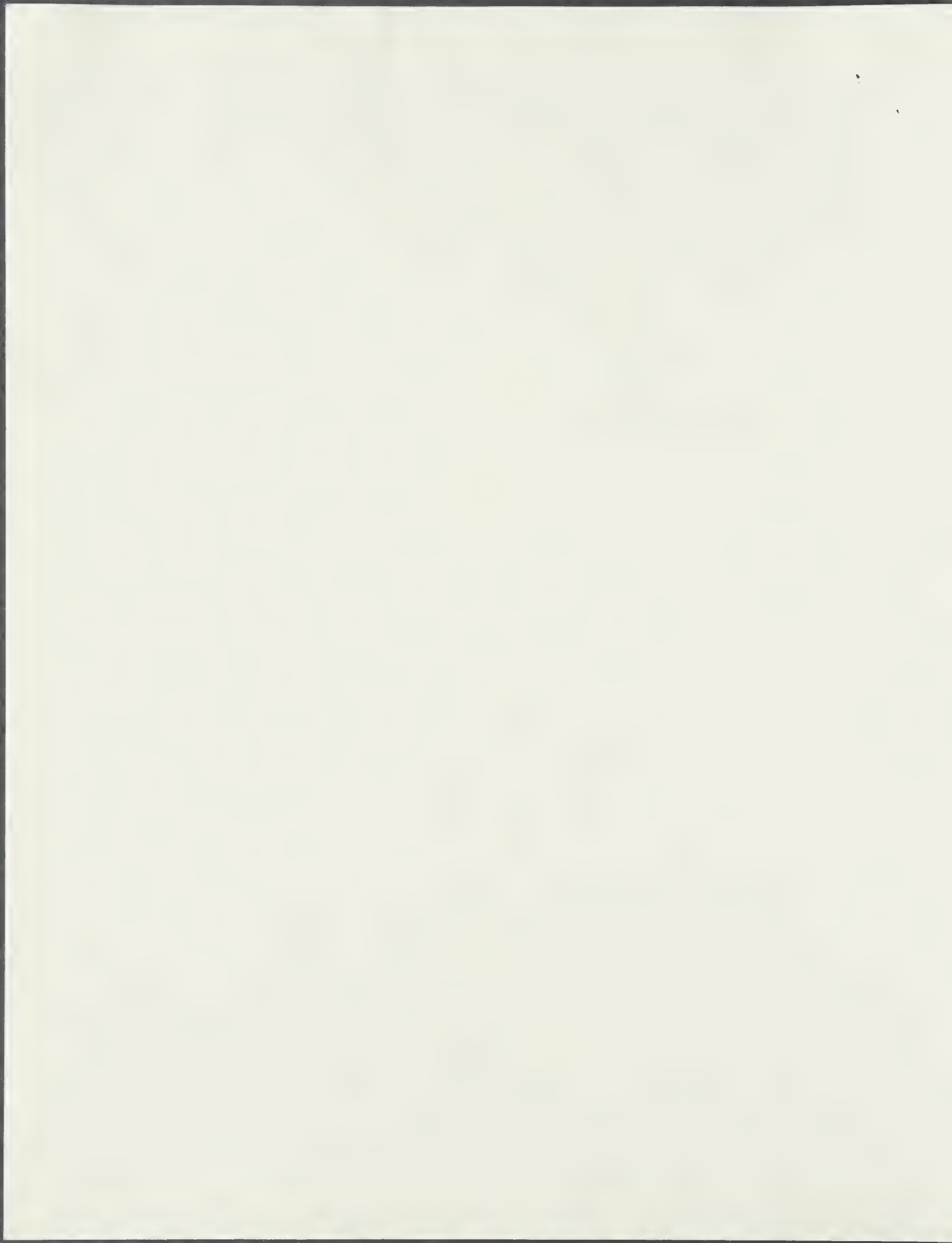
I am writing to you regarding the Bader Fellowship here at Columbia. I have been working with Prof. Turro in trying to recruit a new fellow for the upcoming academic year. We are becoming quite concerned due to the fact that we have not received any applicants. We sent out a mailing of letters and information to professors in the Czech Republic notifying them of the fellowship and requesting their assistance in locating candidates. Miroslav Rezac is contacting his former professor and others via email in order to try and locate a candidate. I have spoken with Prof. Valentini, the chairman of the admissions committee, regarding the GRE and TOEFL requirements. Due to the time constraints he has assured me that we can admit a fellow prior to their having taken these exams. I am also contacting the Foundation for a Civil Society to see if they can help. At this point I do not know what else to do and would like your advice. I will be away from the office until July 17, but if you have any immediate suggestions you may contact Prof. Turro or Rachel Isaacson, the Graduate Student Coordinator (212-854-2433; Box 611 Havemeyer Hall).

I look forward to meeting you in the fall when we welcome a new Bader Fellow to Columbia.

Sincerely,



Joan Sberro
Coordinator





FAX FROM

DR. ALFRED R. BADER'S OFFICE

Suite 622
924 East Juneau Avenue
Milwaukee, Wisconsin 53202
Telephone: 414/277-0730
Fax: 414/277-0709

July 14, 1995

To: MS. JOAN SBERRO, COORDINATOR
Department of Chemistry, Columbia University
Fax: 212/932-1289

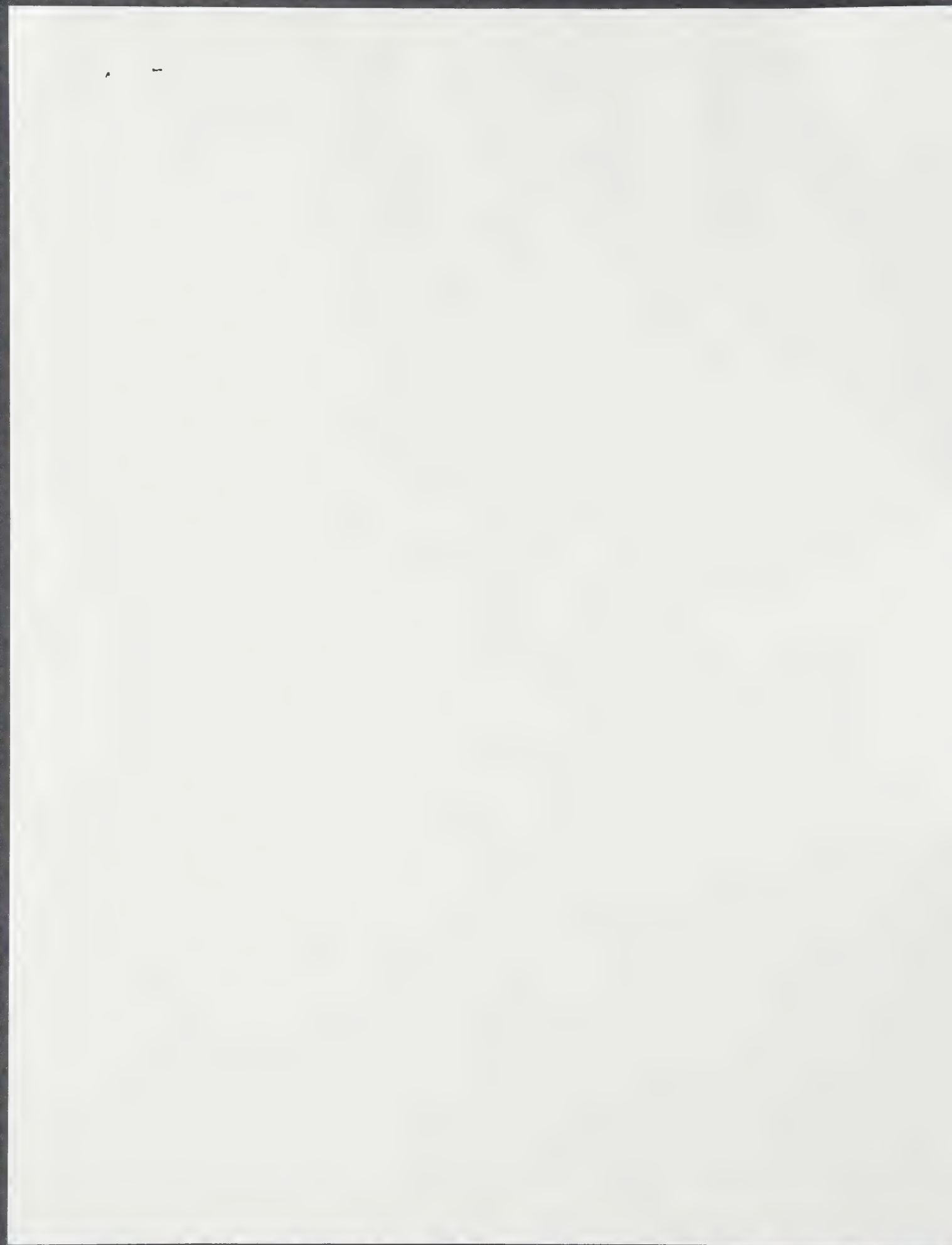
Dear Ms. Sberro:

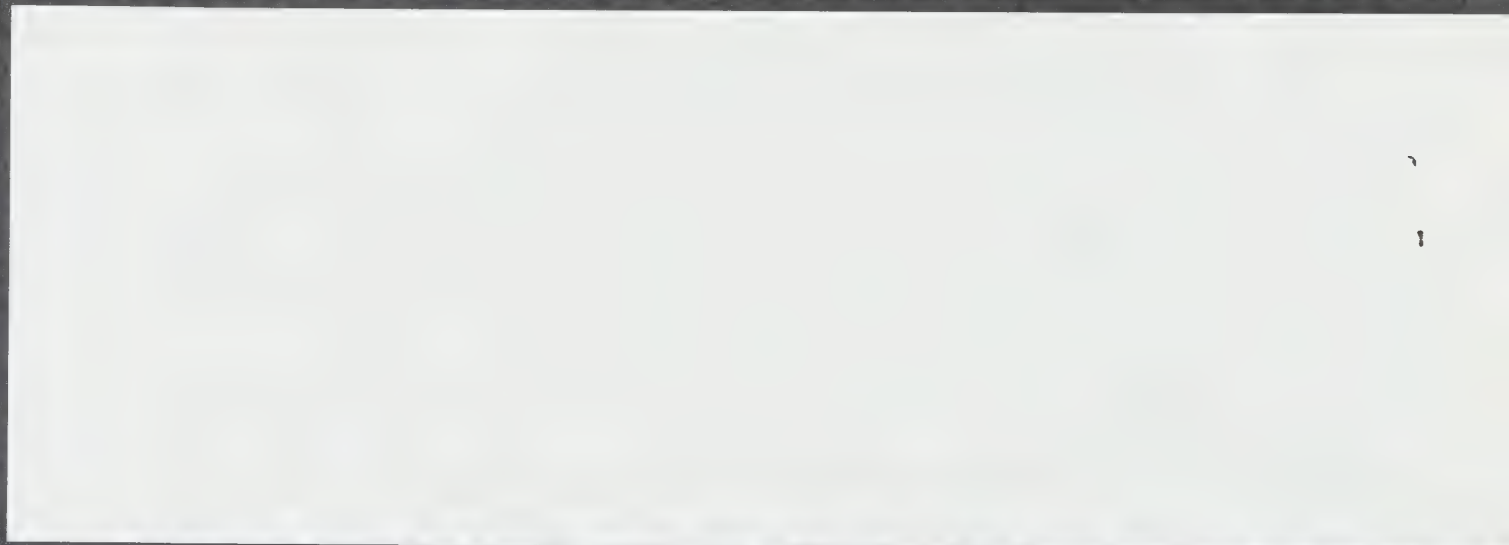
Thank you for your letter to Dr. Bader dated June 30th. Dr. Bader is in England through the end of the month.

However, I know has great confidence in the abilities of Ms. Hannah Evans of the Foundation for a Civil Society, and hopefully she will be of assistance to you until Dr. Bader contacts you upon his return to Milwaukee.

Best wishes,

Cheryl Weiss
Office Manager





Columbia University in the City of New York | New York, N.Y. 10027

GRADUATE SCHOOL OF ARTS AND SCIENCES
Office of the Dean

Low Memorial Library

November 4, 1994

Dr. Alfred Bader
2961 North Shephard Avenue
Milwaukee, WI 53211

Dear Dr. Bader:

I am really pleased to tell you that Miroslav Rezac, a truly outstanding graduate student, has been chosen again as the Alfred Bader Fellow for the 1994-95 academic year.

As you know, Mr. Rezac received his M.Sc. degree from Masaryk University in the former Czechoslovakia in 1991 with a major in biochemistry. While he was in this program, his main area of research was in the field of alcohol dehydrogenase action.

He enrolled in the Department of Chemistry in the fall of 1991, where he hopes to continue his studies in the mechanisms of enzyme action. Mr. Rezac was awarded the master's degree in the fall of 1992 and is currently preparing the oral presentation of his dissertation topic for approval.

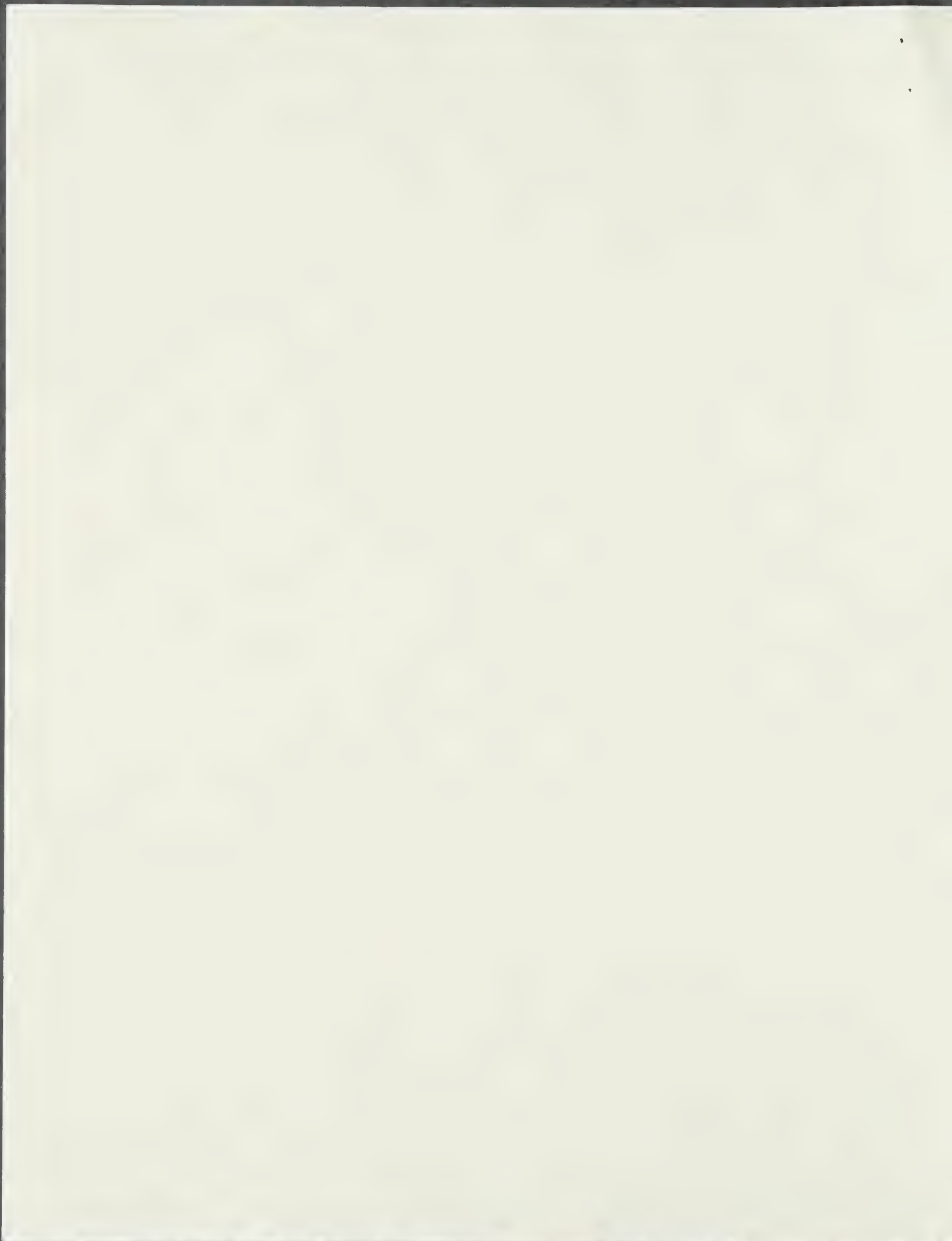
These are especially difficult times for students, and I am really grateful that the Alfred Bader Fund continues to offer such generous support. Be assured that you are making an important contribution to the student, to the Graduate School -- and to society.

You will hear directly from Miroslav Rezac in the next several weeks; in the meantime, please accept my sincere thanks.

Sincerely,



Eduardo R. Macagno
Dean



Columbia University New York/New York 10027

Professor Nicholas J. Turro
Wm. P. Schweitzer Professor of Chemistry

Department of Chemistry
Box 610 Havemeyer Hall
TEL (212) 854-2175
FAX (212) 932-1289

February 27, 1991

Dr. Alfred Bader
Sigma-Aldrich
P.O. Box 355
Milwaukee, WI 53201

Dear Alfred:

How's this?

Nick

ANNOUNCEMENT OF A BADER FELLOWSHIP FOR A
CZECH STUDENT FOR GRADUATE STUDY IN ORGANIC
CHEMISTRY AT COLUMBIA UNIVERSITY

The Chemistry Department of Columbia University is pleased to

announce the creation of the

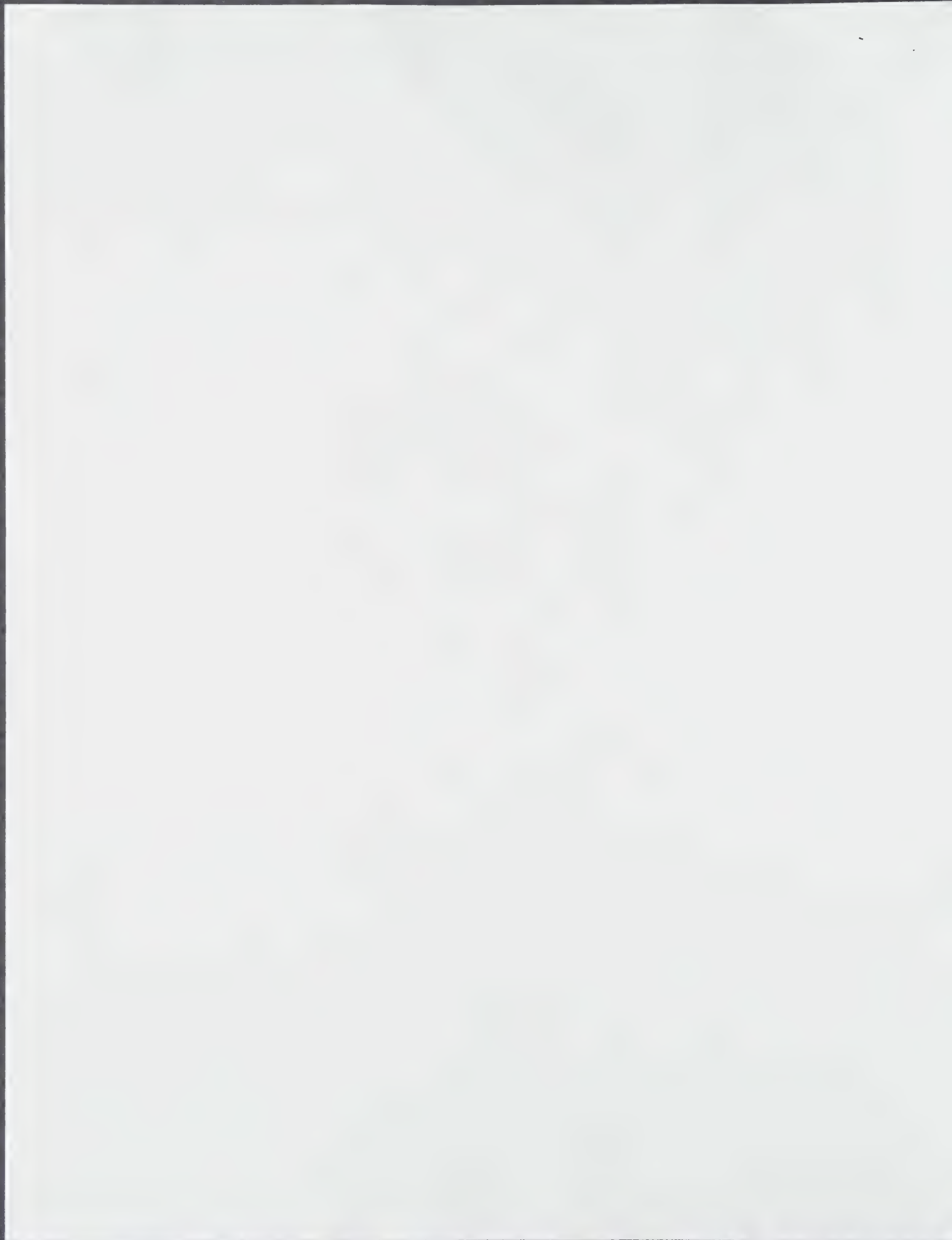
Alfred Bader Graduate Fellowship in
Organic Chemistry

Czechoslovak

The Bader Fellowship will be awarded to a qualified Czech student who is accepted for admission to the Graduate School of Arts & Sciences of Columbia University to pursue a Ph.D. degree in Chemistry. Candidates who have completed or expect to complete an undergraduate degree in Chemistry by June 15, 1991 are encouraged to apply.

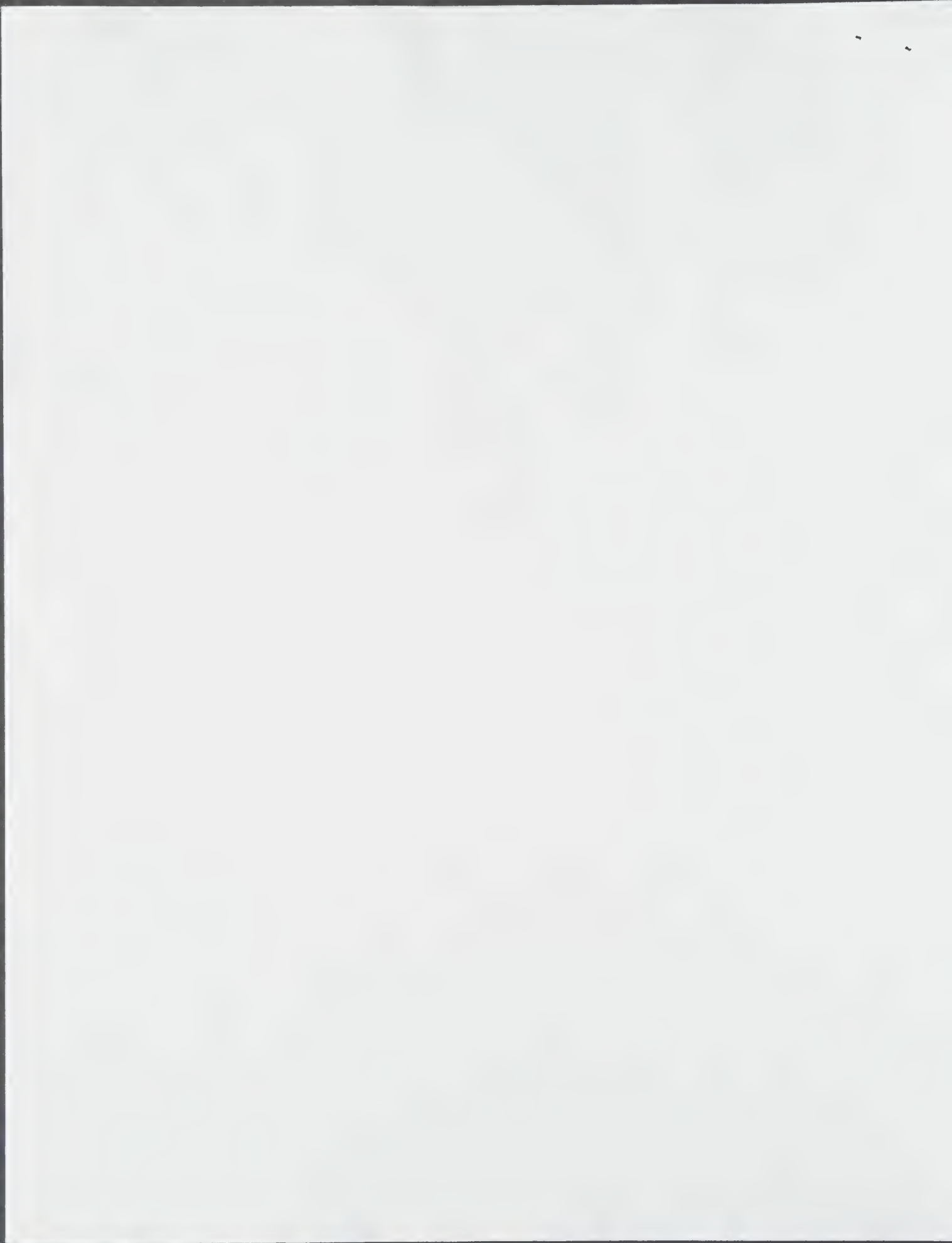
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application forms are available from the Chairman, Graduate Admissions Committee, Box 368 Havemeyer Hall, Columbia University, New York, NY 10027 (U.S.A.)

2. With submission of the application materials you must indicate that you are applying for the **Bader Fellowship**.
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4. The Bader Fellow will be paid a stipend of \$500. to assist the cost of travel from Czechoslovakia to the U.S. Upon completion of the Ph.D. degree, a similar stipend will be provided to assist the cost of travel from the US to Czechoslovakia.
5. The candidate will be selected based on his/her academic record and three letters of recommendation. In addition, evidence of fluency in oral and written English will be given high priority in the selection of the Bader Fellow.
6. Deadline for applications is June 1, 1991.



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

December 27, 1994

3 pages

FAX to Professor N. J. Turro
Dept. of Chemistry, Columbia U.

Dr. Eduardo R. Macagno, Dean
Graduate School of Arts and Sciences
Columbia University
Low Memorial Library
New York, New York 10027

212 932 1289

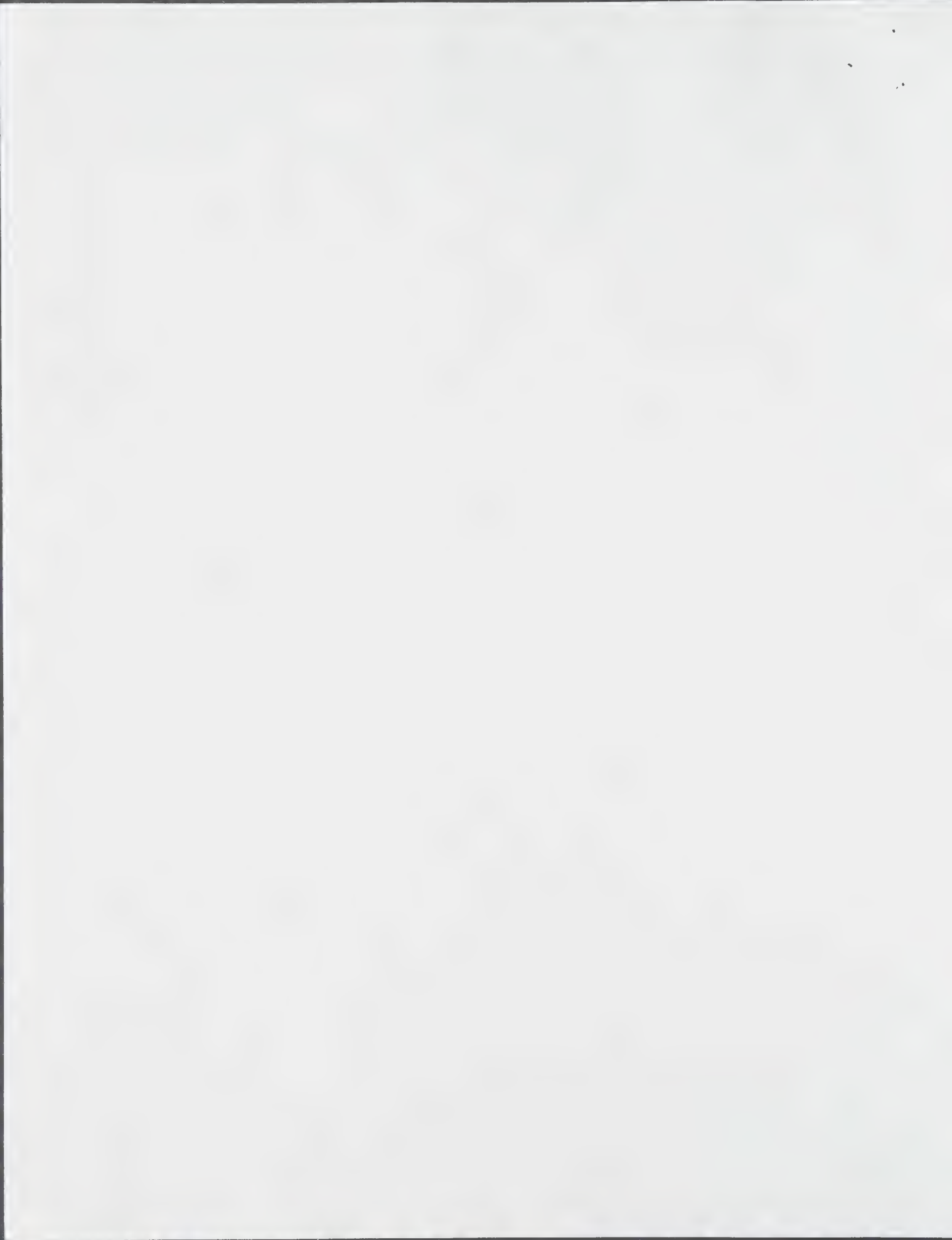
Dear Dr. Macagno:

A long trip to Europe has delayed my responding to your letter of November 4th, regarding the Alfred Bader Fellowship for Czech students.

Please check the agreement under which this fellowship was established, and you will see that Miroslav Rezac cannot be chosen for the fellowship for a fourth year. The terms are clear: each student is to receive the fellowship for three years, after which a new fellow is to be brought in from the Czech Republic.

Please don't misunderstand me. I have met Miroslav Rezac, have heard a good deal about him and understand that he is a first class student. However, if he is to remain a fourth year, then Columbia University will have to find alternative funding for him.

I have established other such fellowships under the same terms. Just this month I visited Imperial College in London where I established a Czech fellowship just after the establishment at Columbia. There I learned that the first student, getting his PhD from Professor Willie Motherwell, will receive his degree this summer. Imperial College has already written to Czech universities and has received applications for the next Bader fellow to start in September. Columbia University is, I believe, obligated to do the same.

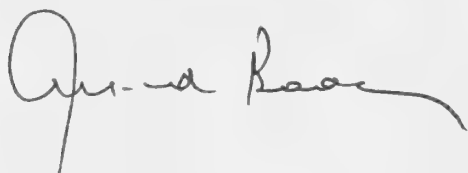


Dr. Eduardo R. Macagno
Columbia University
December 27, 1994
Page Two

Incidentally, I have just finished my autobiography, *Adventures of a Chemist Collector*, and I enclose copy from the galleys. Please confirm that indeed, as agreed, the next Czech fellow will come to Columbia University as agreed.

All good wishes for the New Year.

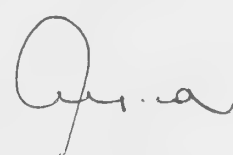
Sincerely,

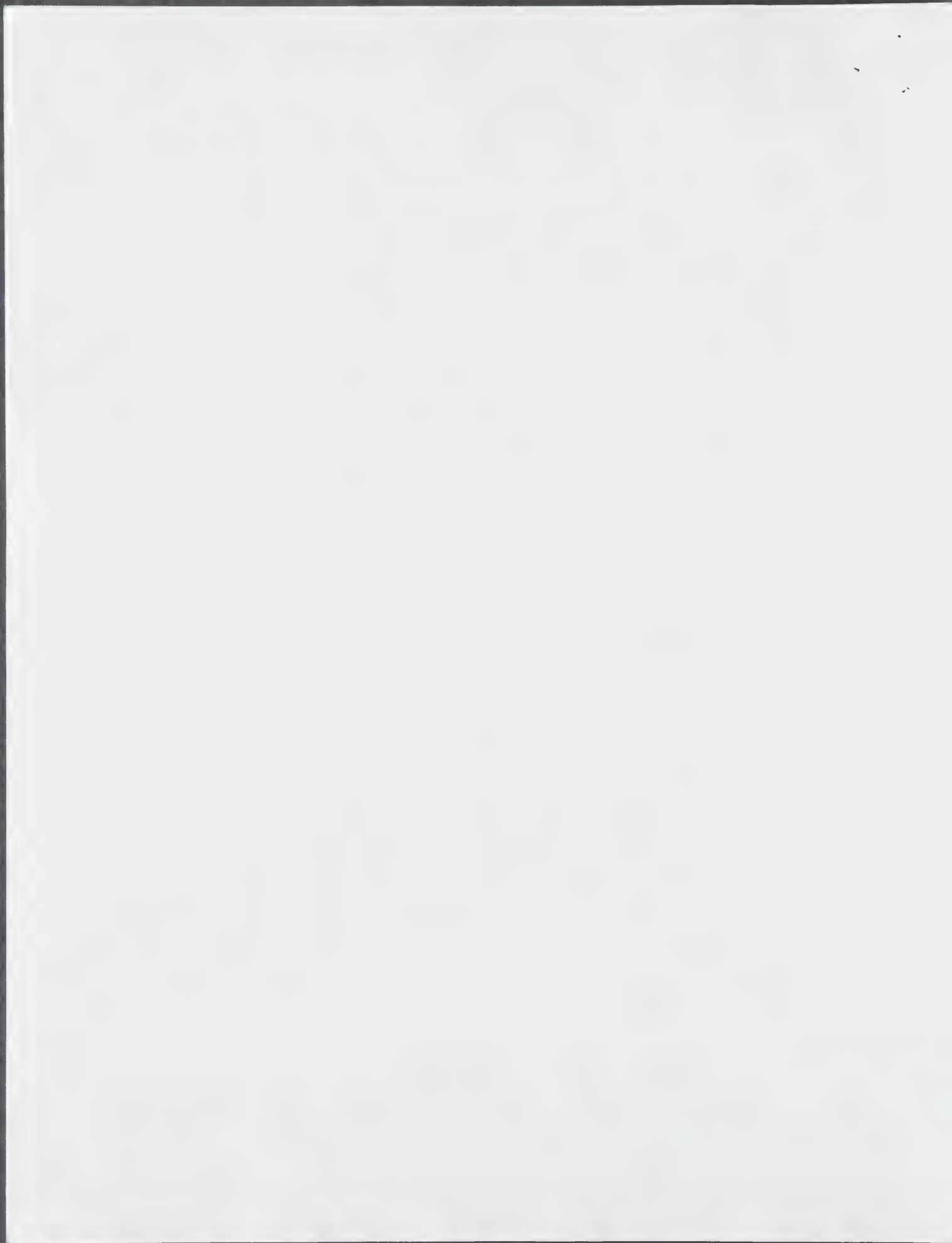


Enclosure

c: Prof. R. Breslow
Prof. N. Turro ✓

Dear Nick:
→ am very concerned about
this. The second Bader fellow
should have started in
September 1994.

Best wishes




FAX FROM

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

NY trip file

January 6, 1995

212 932 1289

To: Professor N. Turro, Department of Chemistry
Professor R. Breslow, Department of Chemistry
Dr. E. R. Macagno, Dean, Graduate School of Arts and Sciences

Dear Nick, Ronald and Dr. Macagno:

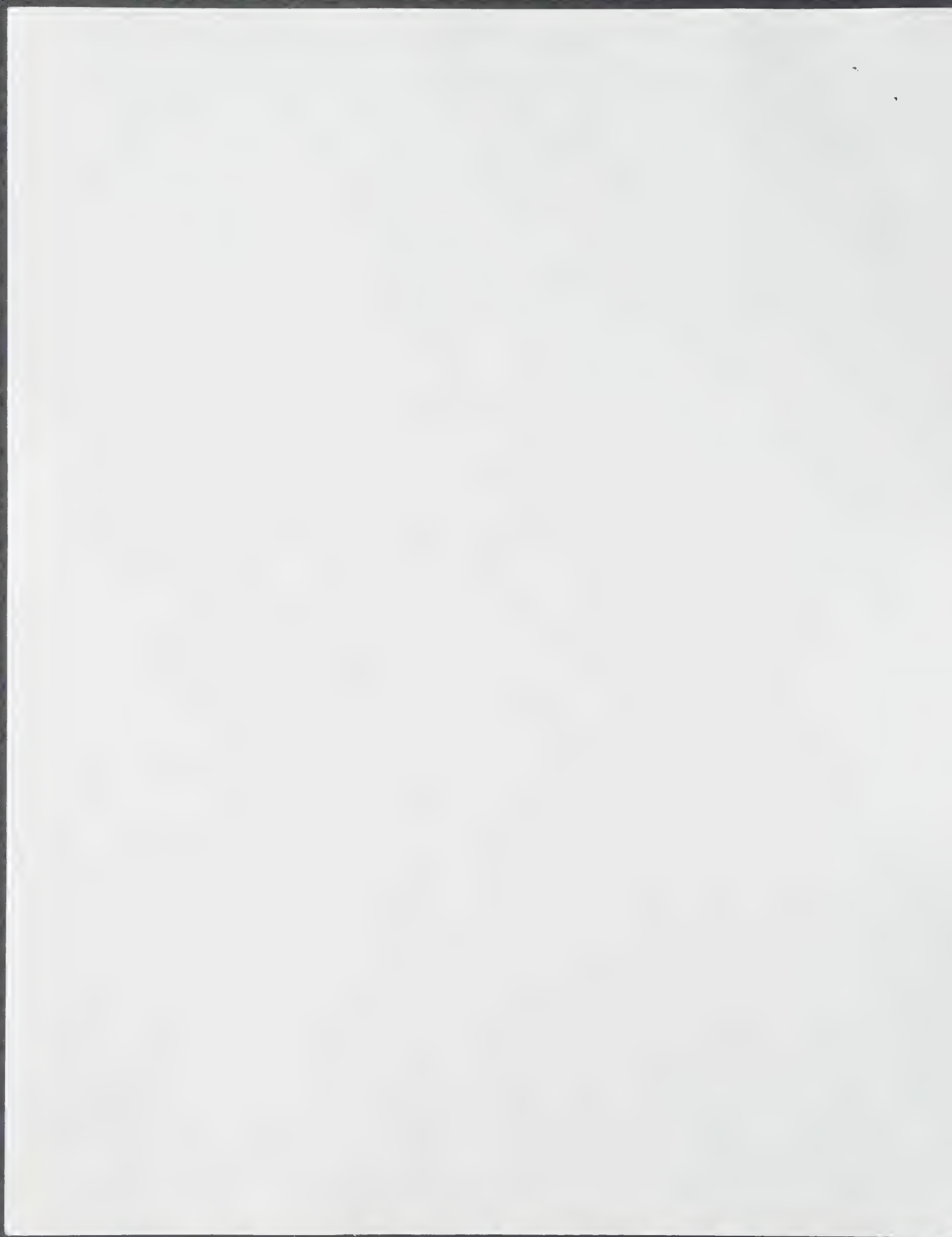
You will have realized from my fax and letter of December 27th, I am concerned about the fellowship for Czech students.

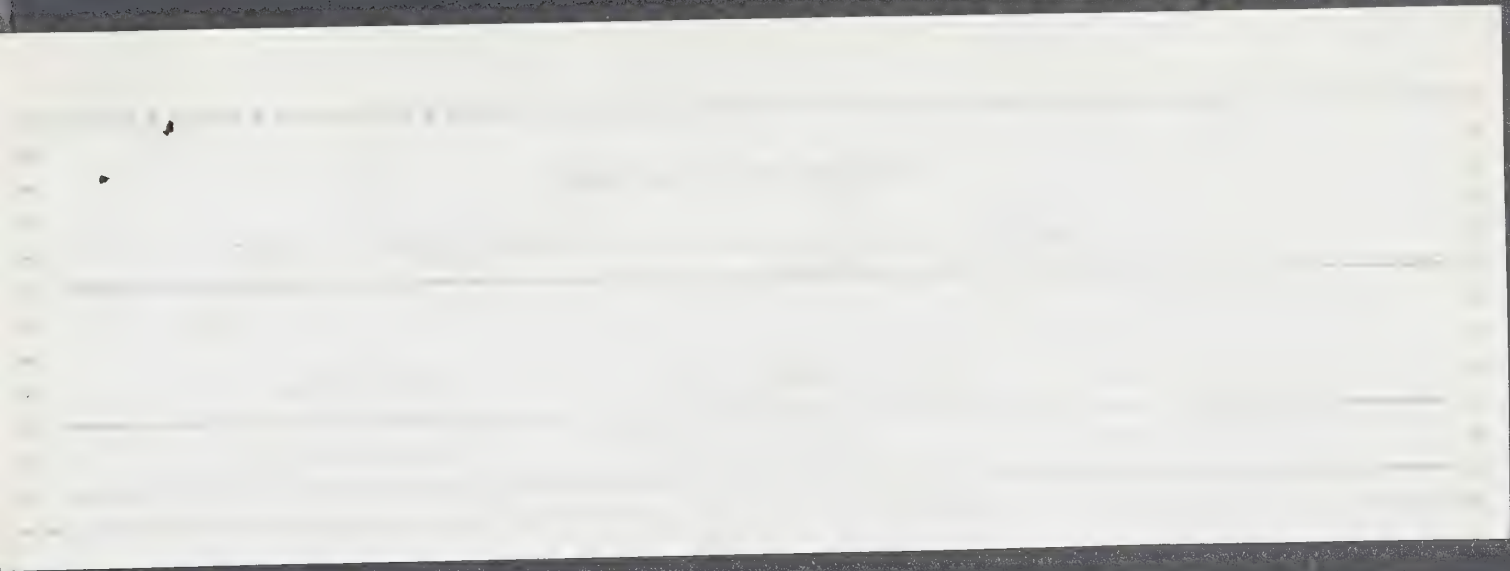
I could visit you at Columbia next week at your convenience. Please let me know when would be most convenient.

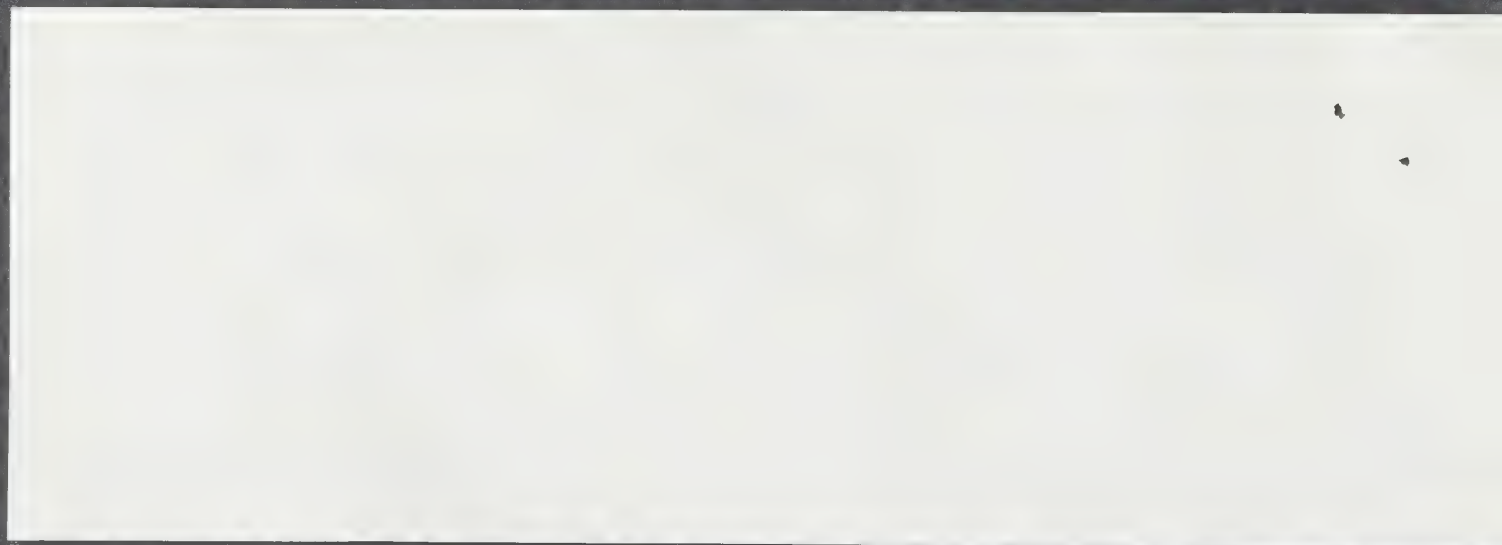
Best regards.

Sincerely,

Alfred R. Bader









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

April 20, 1995

Professor Nicholas Turro
Department of Chemistry
Columbia University
New York, NY 10027

Dear Nick:

I appreciate your thoughtful letter of April 1st very much indeed.

All is well that ends well, and I look forward to meeting the second Bader Fellow in your department next year, and the third two years thereafter.

Ron Breslow told me about how very well Miroslav Rezac has done, but I was concerned to learn that he may want to stay in the West. There is nothing we can do about that, but, of course, the purpose of the Fellowships is not to provide a brain-drain from the Czech Republic, but to train chemists really well here and then have them return. At the moment, the Czech Republic is a very exciting place to be in, with many, many improvements, and of course, also some difficulties. And yet I do hope that most Bader Fellows will return home.

With all good wishes, I remain,

Yours sincerely,

AB/cw

bc: Hannah Evans

Columbia University in the City of New York
New York, NY 10027

Dr. Nicholas J. Turro
Wm. P. Schweitzer Professor of Chemistry
Box 610 Havemeyer Hall

TEL (212) 854-2175
FAX (212) 932-1289
e-mail : turro@chem.columbia.edu

April 1, 1995

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

Dear Alfred:

Thanks for your letter of 20 March 1995. First, let me offer my congratulations again. I'm disappointed that I was unable to make the dinner, but I may run into you in Anaheim before you receive this letter!

Second, I will never be sorry that I worked with you to establish a Bader Fellowship at Columbia for at least two reasons: (1) it is always fun and informative to work with you, and (2) our efforts produced Miroslav Rezac as the first (and superb) Bader Fellow at Columbia.

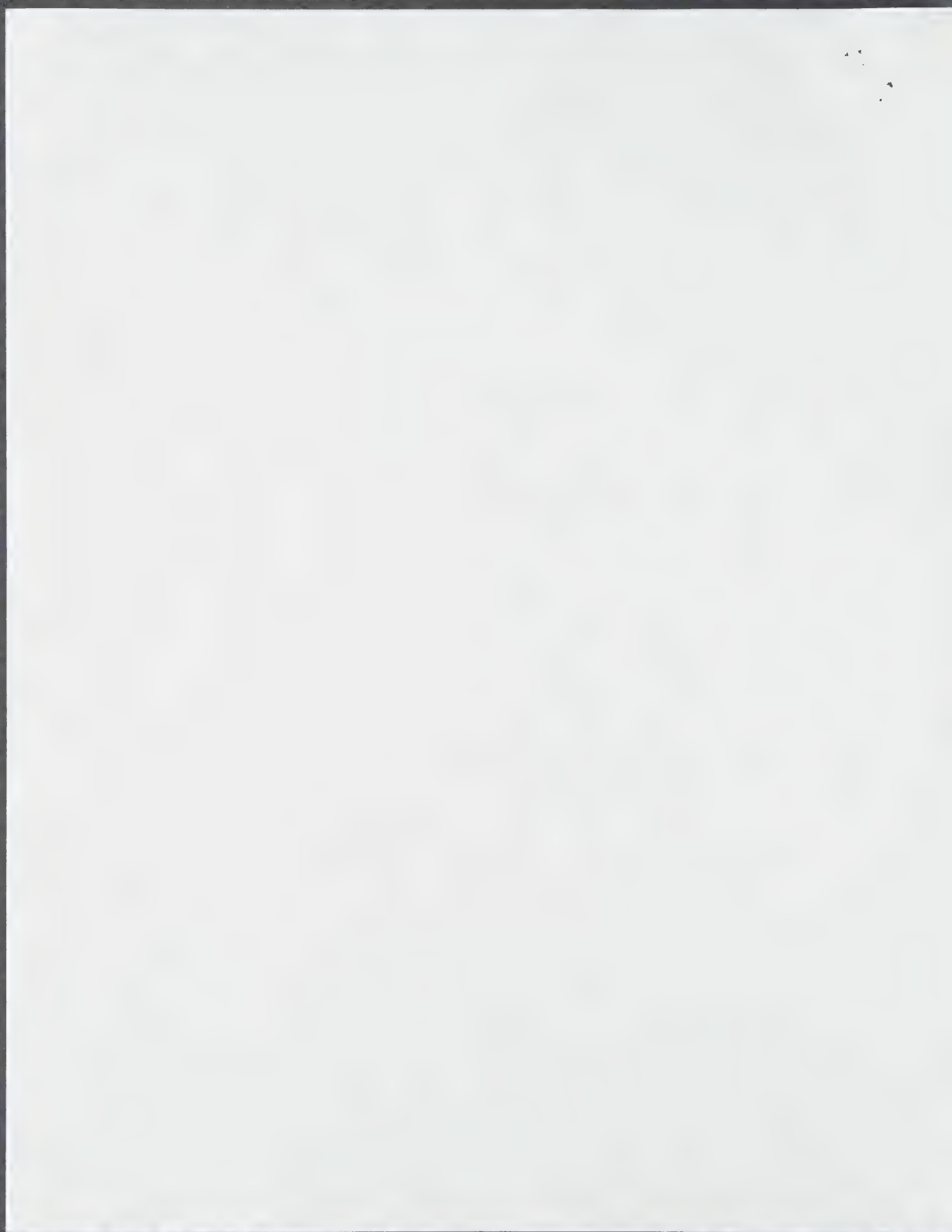
I am perplexed as to how my explicit directions went awry, but a well intentioned individual in the Dean's office has assured me that the error in print will be repaired. Of course, the Chemistry Department has only been seeking students from the Czech Republic, and you are aware of my visit to Prague last summer and the contacts that I made there. We have contacted the individual that you recommended to us, and we are actively pursuing candidates as I write. We'll be back in touch when we find a worthy successor to Miroslav.

Best regards,

Sincerely,



Nicholas J. Turro



*Columbia University in the City of New York**New York, NY 10027*

*Dr. Nicholas J. Turro
Wm. P. Schweitzer Professor of Chemistry
Box 610 Havemeyer Hall*

*TEL (212) 854-2175
FAX (212) 932-1289
turro@chem.columbia.edu*

January 9, 1995

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

Dear Alfred,

I have received the copy of your letter to Dean Macagno, and share your concern regarding the Alfred Bader Fellowship. Unfortunately we did not receive any applicants from the Czech Republic to begin their studies here in September 1994 as the second Bader Fellow. We will actively seek qualified applicants for the next academic year. Miroslav Rezac was outstanding as the first Bader Fellow and he will be helping us to contact the proper departments at Czech universities.

In July I met with representatives of the outstanding Czech universities in Prague (at a meeting at which I was fortunate enough to be presented a medal for my research in photochemistry). These representatives agreed to work with us and Miroslav to obtain candidates for the next Bader fellowship. We are currently contacting them formally in order to secure applicants for the coming year. In the meantime we will follow your wishes and not use the endowment of the Bader fellowship to pay Miroslav. He will be paid on another Columbia University account.

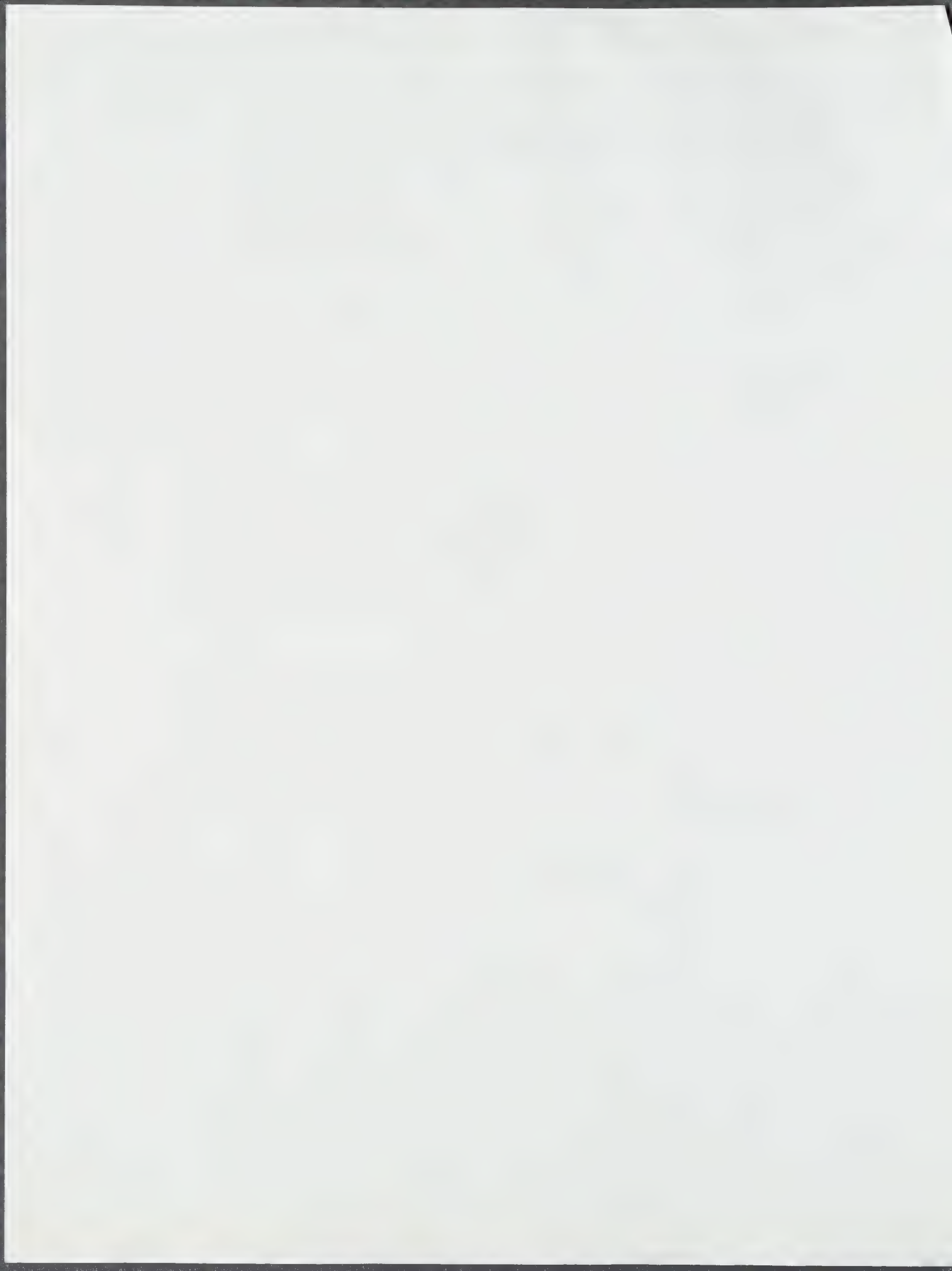
Best wishes for the New Year.

Sincerely,



Nicholas J. Turro

cc: Dean Macagno ✓



THE FOUNDATION FOR A CIVIL SOCIETY

FAX MESSAGE

To: Prof. Nicholas J. Turro
From: Aep. d. Brady
Re:
Date:

Fax 932 1289

2 pages

Dear Nick

Thanks for your letter of Jan. 9 just received by fax.

Clearly Columbia just forgot to look for a student to start in 1994.

If Columbia will have a fellow start in September 1995 and the next fellow in 1997 (not 1998), you will have caught up. Please confirm that this will be done.

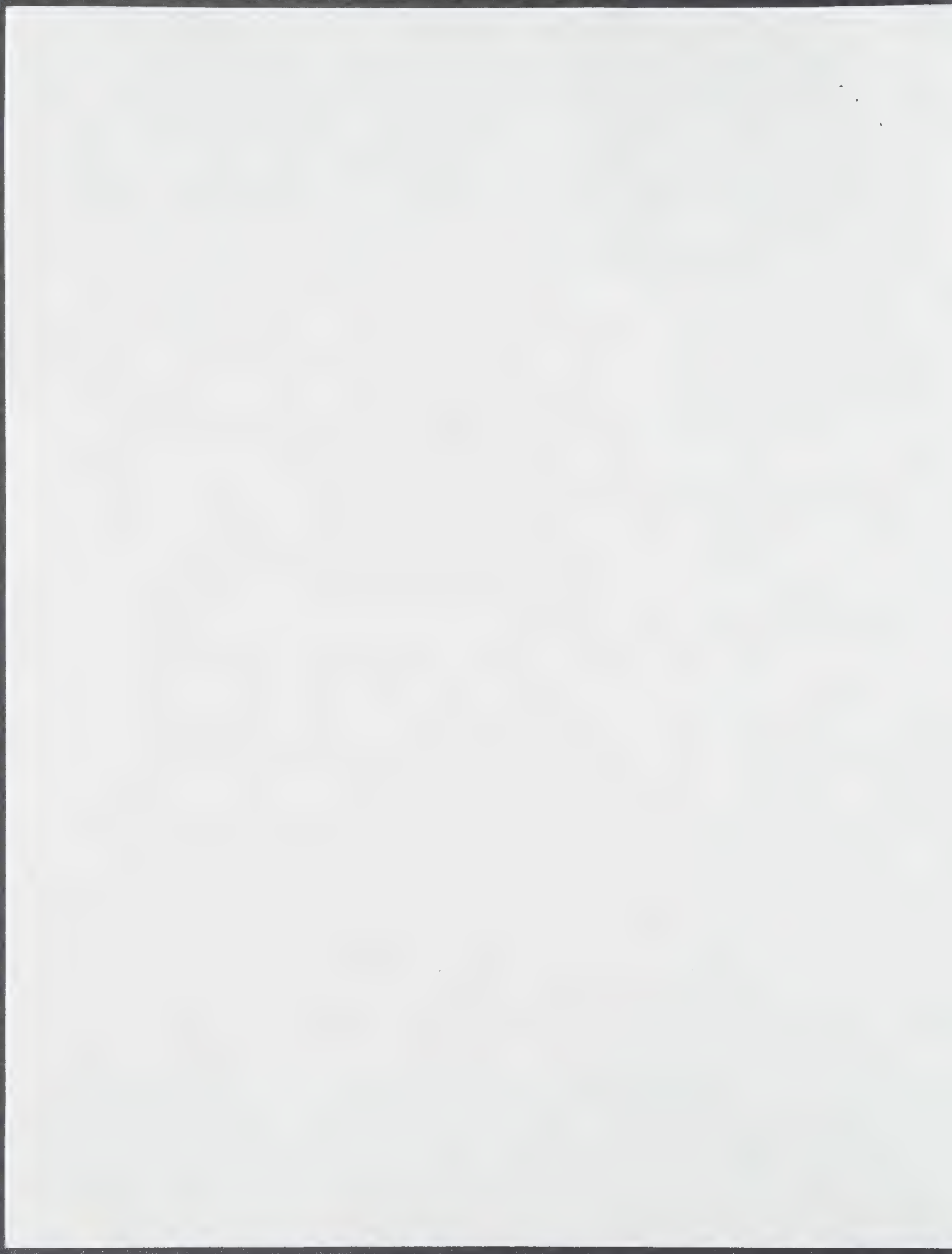
The above foundation has been most helpful. President is Mrs. Wendy Lucas; the senior program officer is

Fax Number:

932-1289

Number of Pages (Including cover sheet):

2

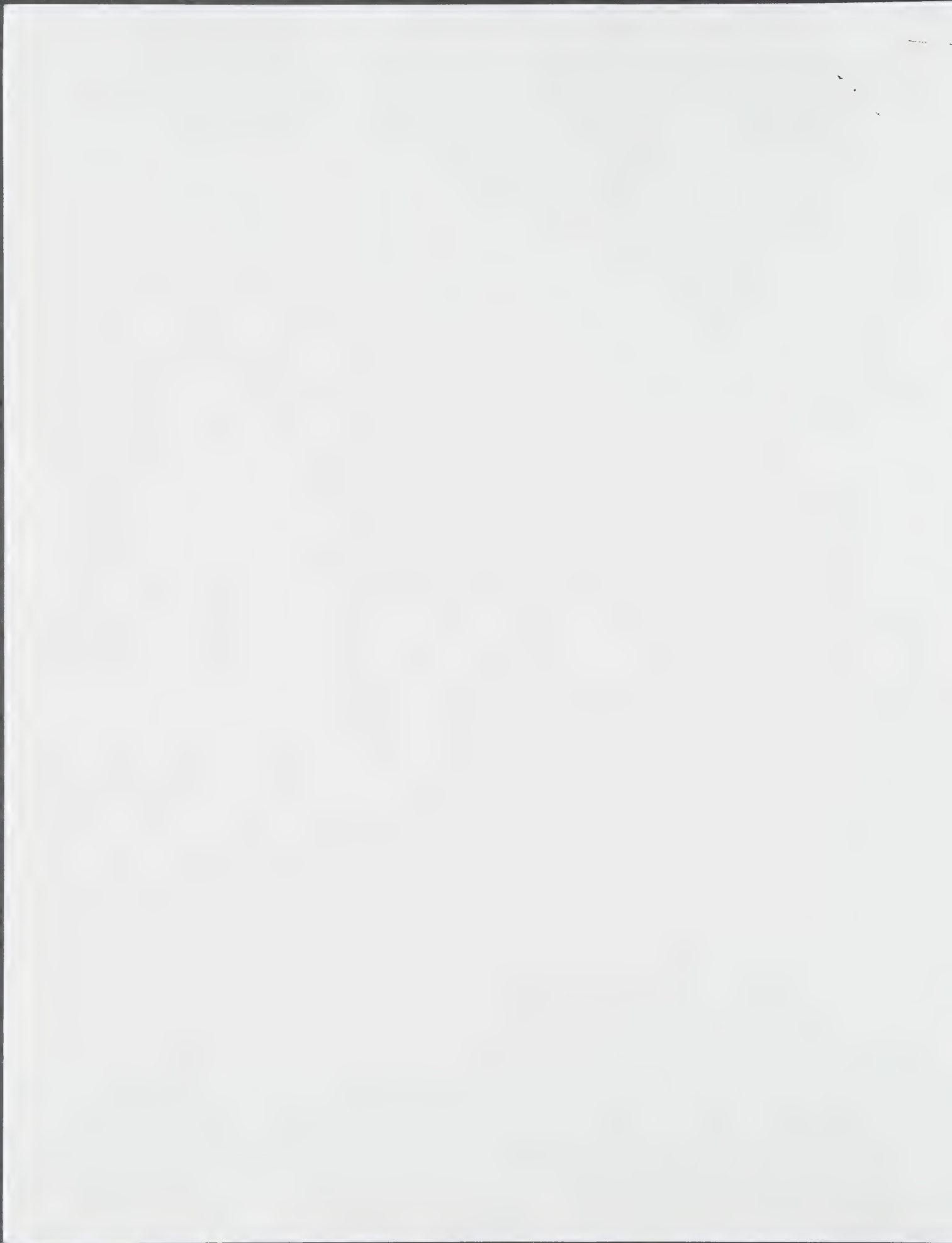


Mannah Eilers. Both are caring
and competent, and will be happy
to help Columbia find Czech
Students.

I look forward to seeing
you in Anaheim.

Best wishes

Anna Boag



FAX TRANSMITTAL FORM

Office of the Dean
Graduate School of Arts and Sciences
Columbia University
109 Low Memorial Library
New York, NY 10027
(212) 854-2861

Fax Number: (212) 854-2863

Date: January 11, 1995

To: Alfred Bader

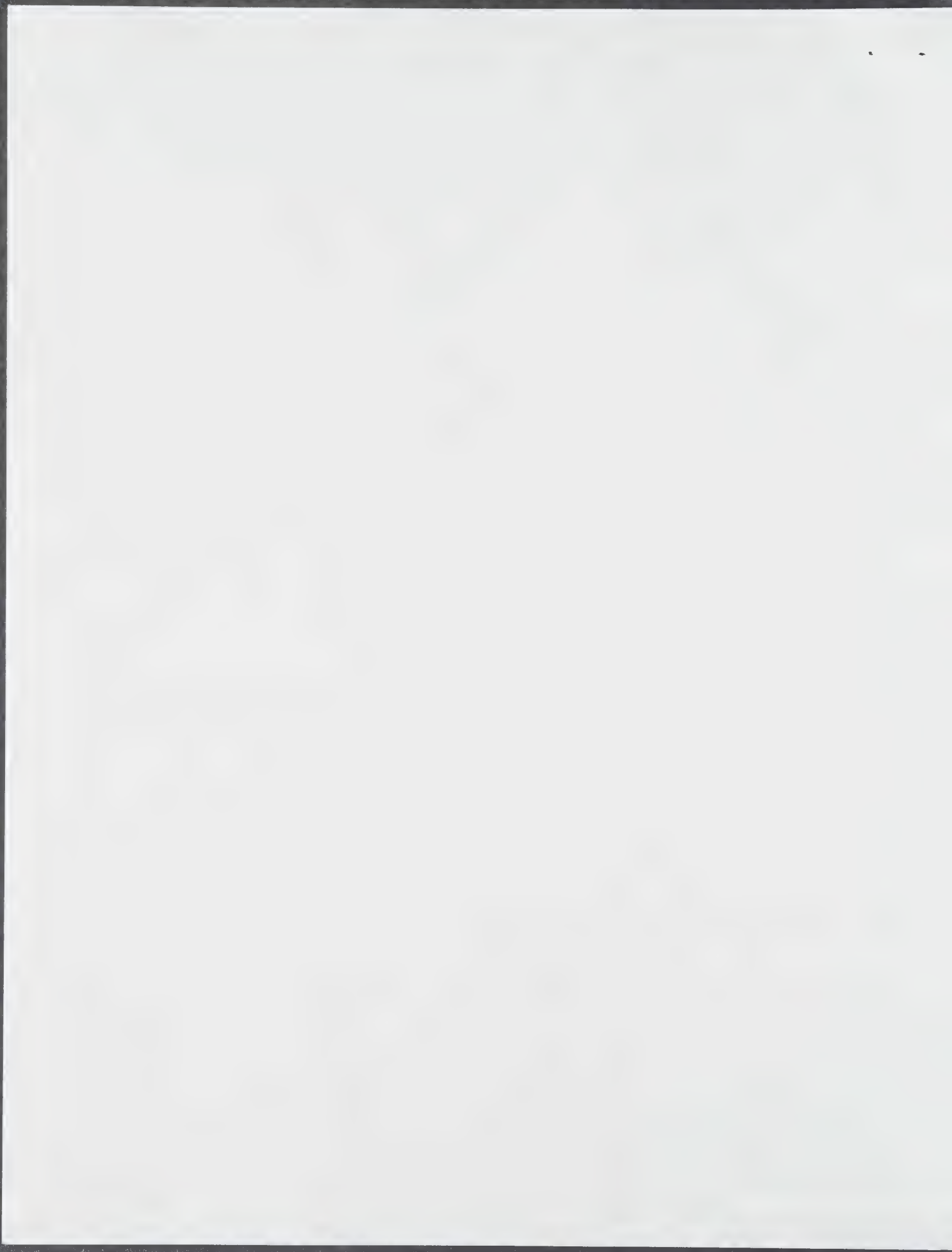
Fax Number: 332-2898

From: Eduardo Macagno

Number of pages, including cover: 2

Comments: Following is a copy of Professor Turro's response to your
correspondence. Unfortunately, I will not be in the office all day
Friday, however, I will be happy to meet with you or talk to you by
phone on Monday. Please contact my Assistant, Nancy Gajee, at 854-3788
if you would like to schedule a time.

If there are any questions regarding this fax, please call _____



*Columbia University in the City of New York**New York, NY 10027*

*Dr. Nicholas J. Turro
Wm. P. Schweitzer Professor of Chemistry
Box 610 Havemeyer Hall*

*TEL (212) 854-2175
FAX (212) 932-1289
turro@chem.columbia.edu*

January 9, 1995

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

Dear Alfred:

I have received the copy of your letter to Dean Macagno, and share your concern regarding the Alfred Bader Fellowship. Unfortunately we did not receive any applicants from the Czech Republic to begin their studies here in September 1994 as the second Bader Fellow. We will actively seek qualified applicants for the next academic year. Miroslav Rezac was outstanding as the first Bader Fellow and he will be helping us to contact the proper departments at Czech universities.

In July I met with representatives of the outstanding Czech universities in Prague (at a meeting at which I was fortunate enough to be presented a medal for my research in photochemistry). These representatives agreed to work with us and Miroslav to obtain candidates for the next Bader fellowship. We are currently contacting them formally in order to secure applicants for the coming year. In the meantime we will follow your wishes and not use the endowment of the Bader fellowship to pay Miroslav. He will be paid on another Columbia University account.

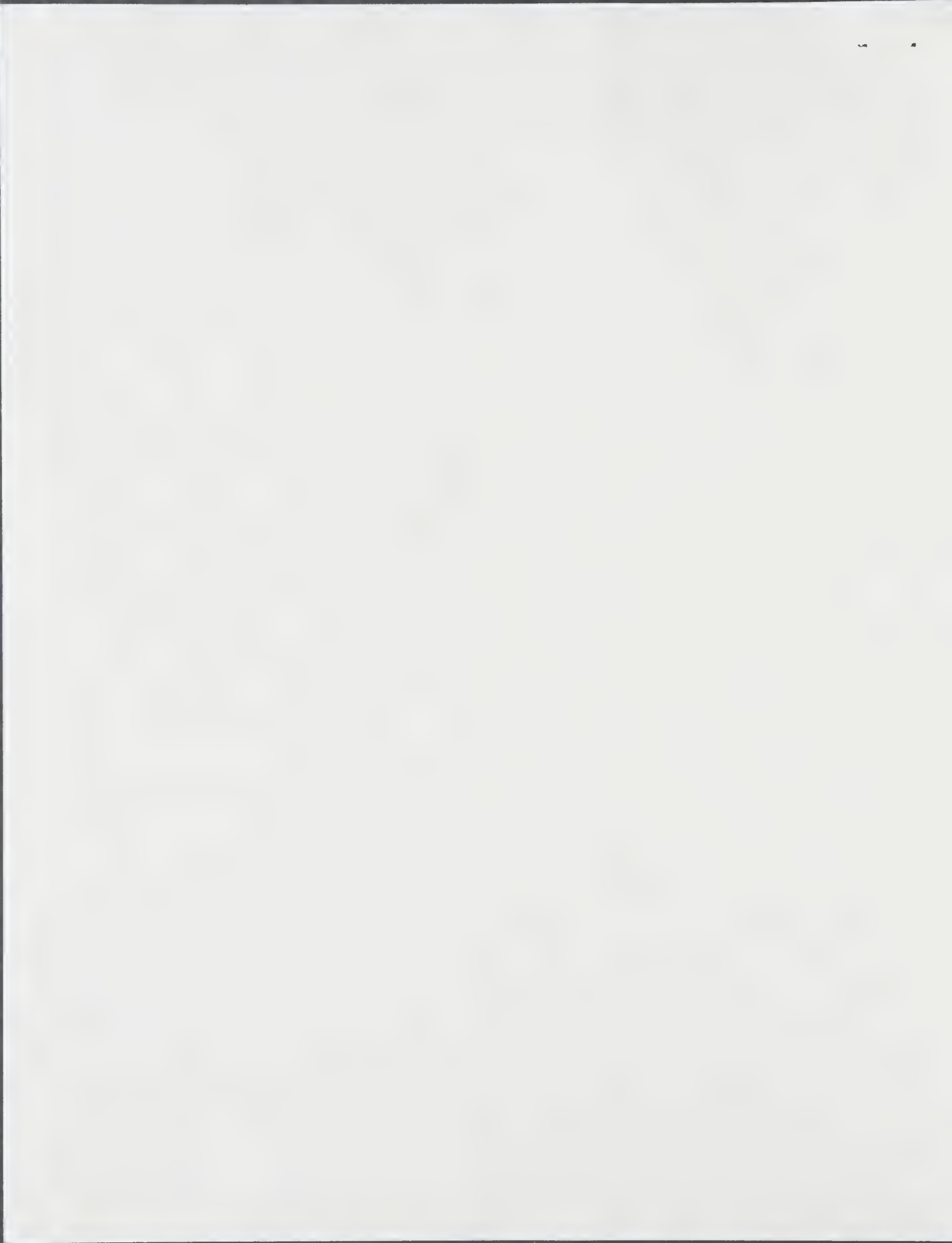
Best wishes for the New Year.

Sincerely,



Nicholas J. Turro

cc: Dean Macagno ✓



Columbia University in the City of New York

New York, NY 10027

*Dr. Nicholas J. Turro
Wm. P. Schweitzer Professor of Chemistry
Box 610 Havemeyer Hall*

*TEL (212) 854-2175
FAX (212) 932-1289
turro@chem.columbia.edu*

January 9, 1995

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

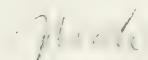
Dear Alfred:

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In July I met with representatives of the outstanding Czech universities in Prague (at a meeting at which I was fortunate enough to be presented a medal for my research in photochemistry). These representatives agreed to work with us and Miroslav to obtain candidates for the next Bader fellowship. We are currently contacting them formally in order to secure applicants for the coming year. In the meantime we will follow your wishes and not use the endowment of the Bader fellowship to pay Miroslav. He will be paid on another Columbia University account.

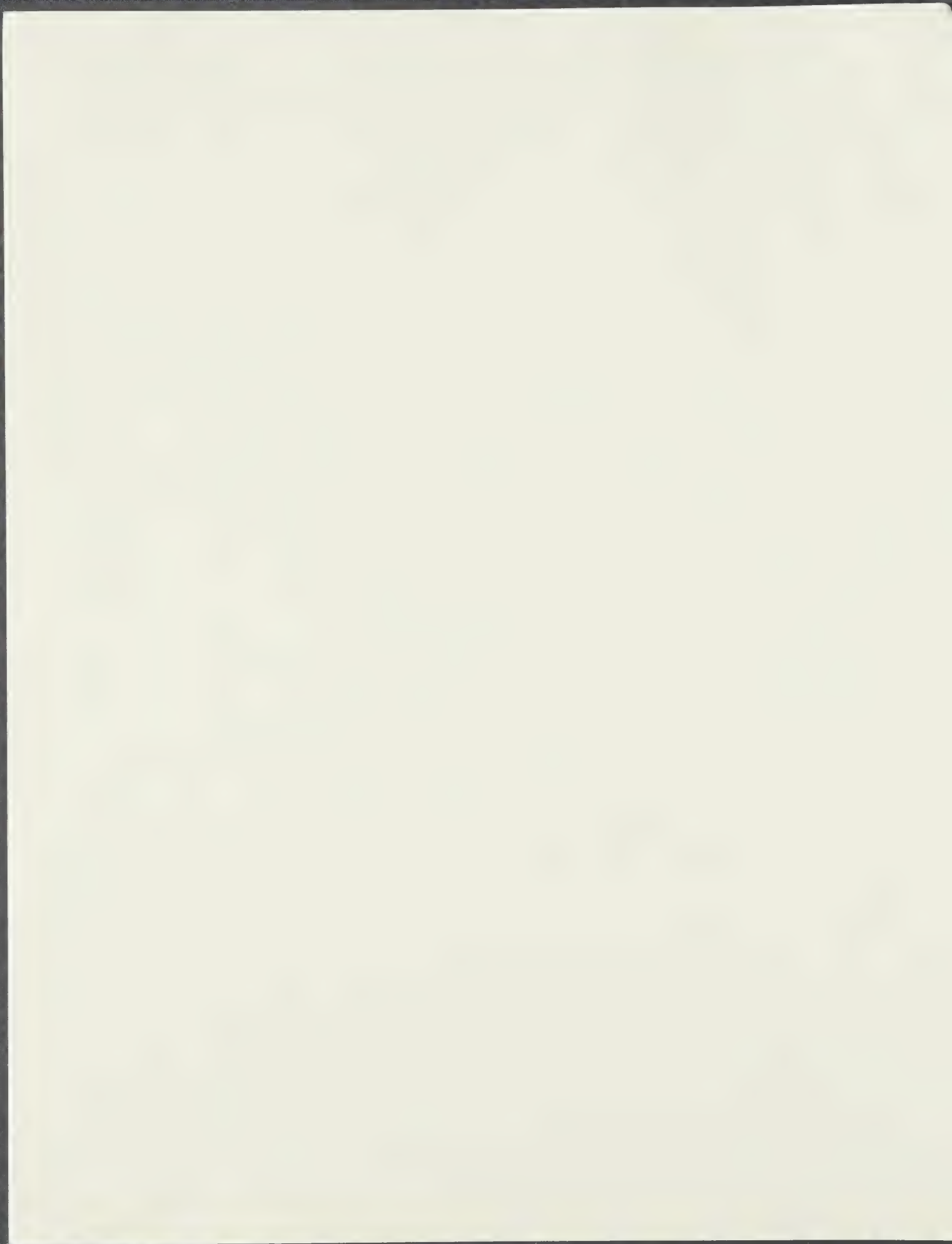
Best wishes for the New Year.

Sincerely,



Nicholas J. Turro

cc: Dean Macagno



THE FOUNDATION FOR A CIVIL SOCIETY

- Alfred Packer
- Annual Dinner
- January 12/98

Dear Alfred,

We received two for today from
the Turco destined for you.

It was lovely to see you in Isabel
and once again thank you for your
generous gift. The receipt letter has
been sent and should reach you
next week.

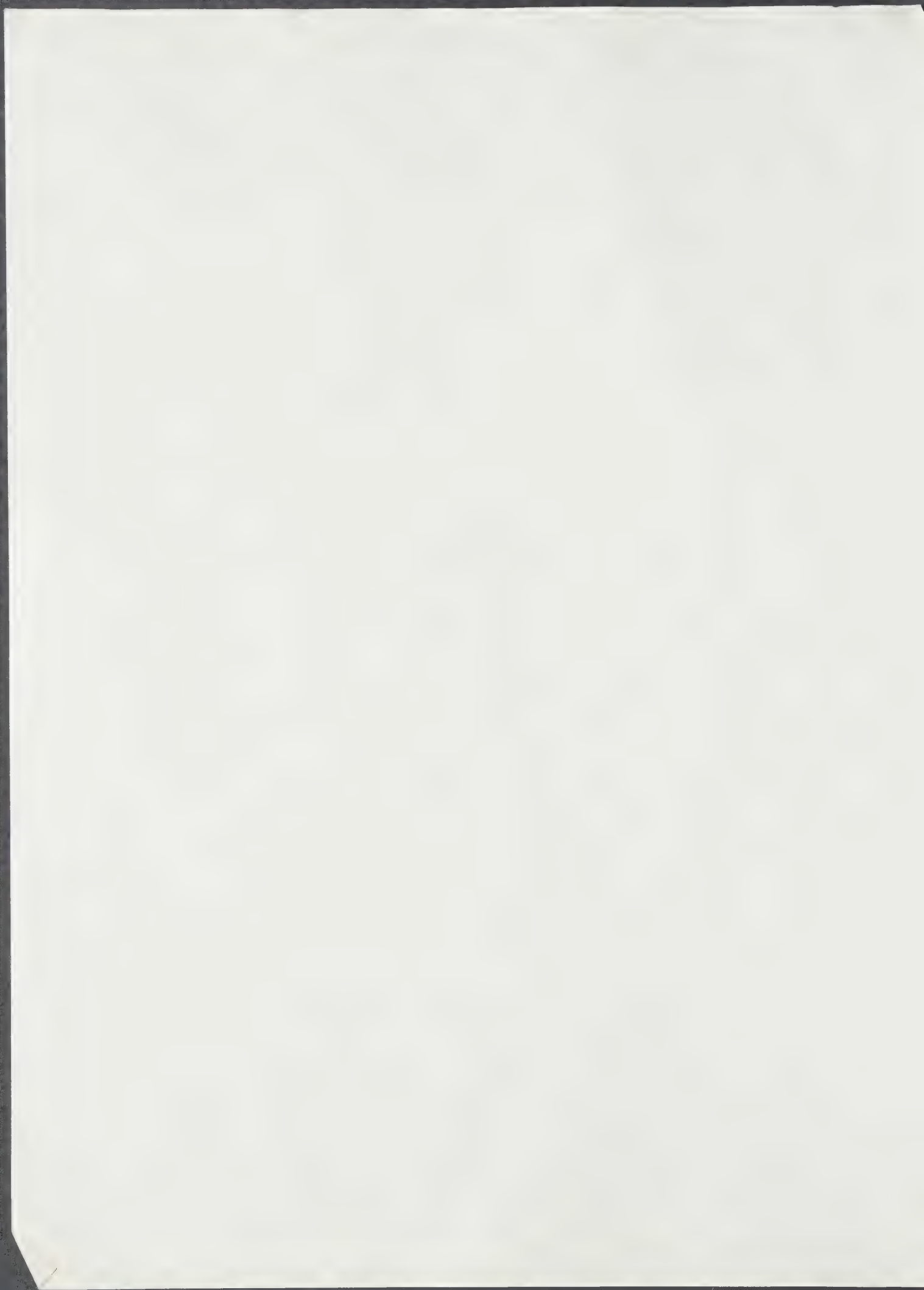
Best regards,

Howard

1075 - 15th Ave
New York, N.Y. 10011

1998-1999

1998-1999



Columbia University in the City of New York

Dr. Michael Tom
Wm. F. Schloetter Professor of Chemistry
Box 610 Hoenes Hall

TEL: (212) 850-4170
FAX: (212) 852-2249
tomt@chem.columbia.edu

January 12, 1998

Dr. Alfred Baker
2061 North Shogard Avenue
Kalamazoo, MI 49001

Dear Alfred

Thanks for your understanding and good will concerning our failure to live up to the terms of the Baker Fellowship. You are certainly a generous and tolerant individual! I probably am more upset about the situation than you are. Your kind suggestion is a perfect solution and the connection with the Foundation for a Civil Society is an excellent way to proceed.

As I mentioned to you, we now have a list of key individuals in chemistry departments that produce undergraduate majors in the Czech Republic. We will use Miroslav as needed for a contact and check with Wendy Janssen-Hartman for more assistance.

Sorry I won't be available Friday morning. It would have been nice to get together. I hope to see you in Anahelma at the Parsons Award dinner. Congratulations on the Award! That the recognition was appropriate is indicated by the fact that along with your fax, I received another asking for a secondary letter for a candidate for the Canadian Alfred Bader Award in Chemistry! You've been and continue to be a very significant force in our profession and we're lucky to have you.

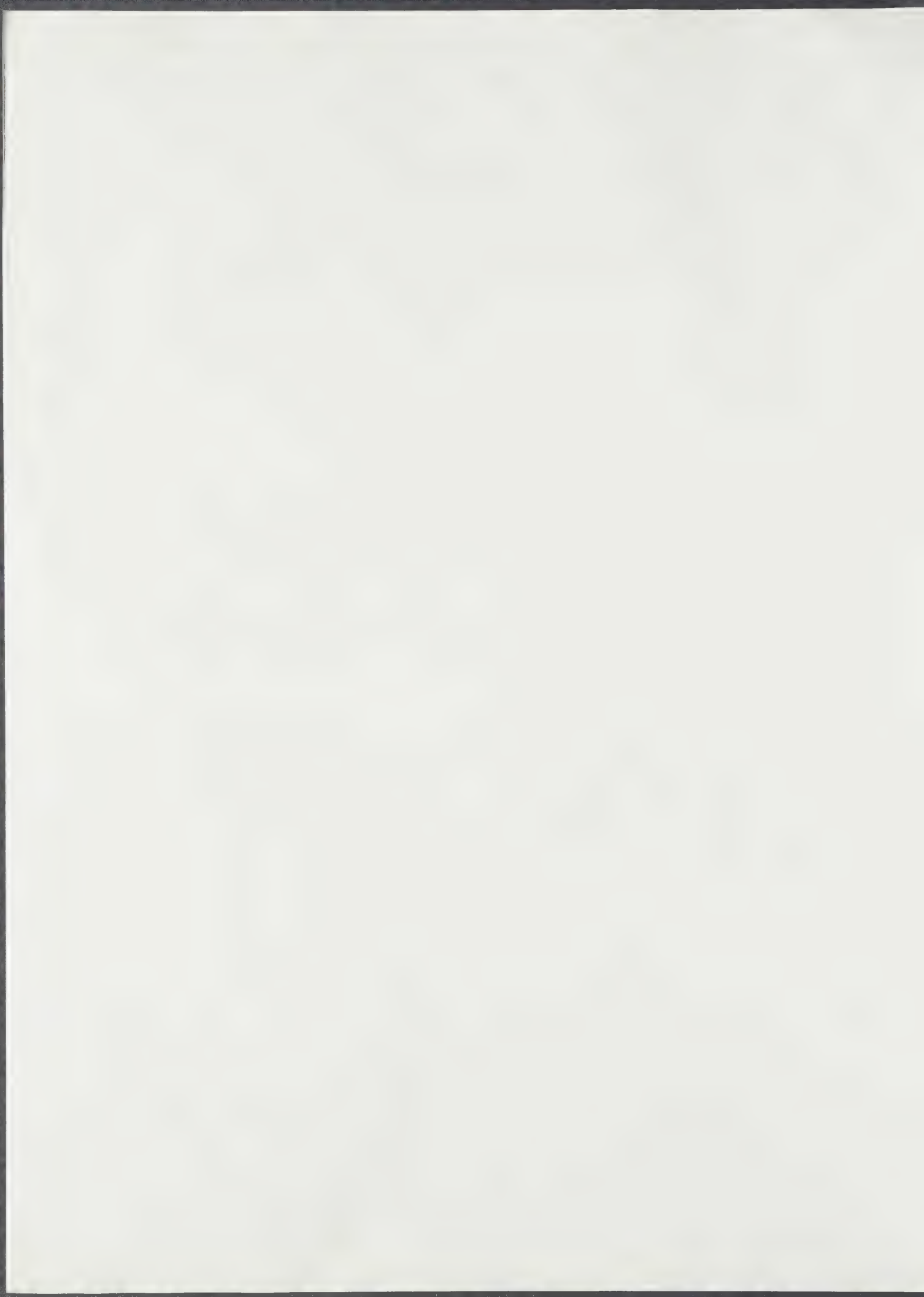
A slightly delayed Happy New Year!

Michael

Mike

(cc) Tom

Tom



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

January 20, 1995

Professor Nicholas J. Turro
Department of Chemistry
Columbia University
New York, New York 10027

Dear Nick:

I appreciate your gracious letter of January 12th more than I can tell you.

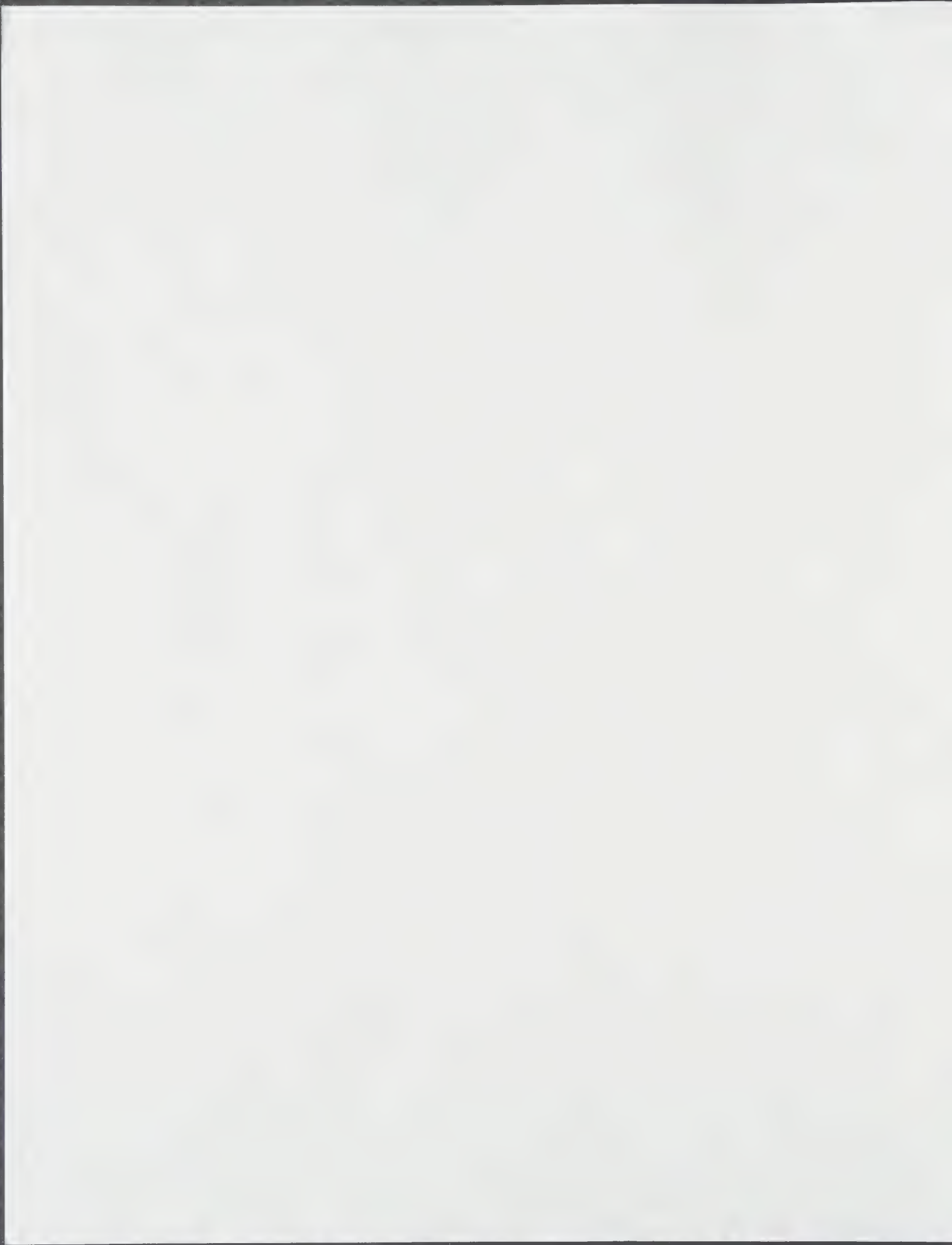
Don't think for a moment that Columbia University is the only school that has had some problems with fellowships and awards. Another university, after three years, has yet to find a first Czech fellow! Nothing quite comes up to the problem we faced at Sheffield University as described in the enclosed pages from autobiography. If only you had been in Sheffield at the time there would still be a Neish Award in organic chemistry.

Isabel and I very much hope to have a chance to see you in Anaheim in April.

Fond regards.

As always,

Enclosure



Columbia University in the City of New York

New York, NY 10027

Dr. Nicholas J. Turro
Wm. P. Schweitzer Professor of Chemistry
Box 610 Havemeyer Hall

TEL (212) 854-2175
FAX (212) 932-1289
turro@chem.columbia.edu

January 12, 1995

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

Dear Alfred:

Thanks for your understanding and good will concerning our failure to live up to the terms of the Bader Fellowship. You are certainly a generous and tolerant individual. I probably am more upset about the situation than you are! Your kind suggestion is a perfect solution and the connection with the Foundation for a Civil Society is an excellent way to proceed.

As I mentioned to you, we now have a list of key individuals in chemistry departments that produce undergraduate majors in the Czech Republic. We will use Miroslav as needed for a contact and check with Wendy Luers or Hannah Evans for assistance.

Sorry I won't be available Friday morning. It would have been nice to get together. I hope to see you in Anaheim at the Parsons Award dinner. Congratulations on the Award! That the recognition was appropriate is indicated by the fact that along with your fax, I received another asking for a secondary letter for a candidate for the Canadian Alfred Bader Award in Chemistry! You've been and continue to be a very significant force in our profession and we're lucky to have you!

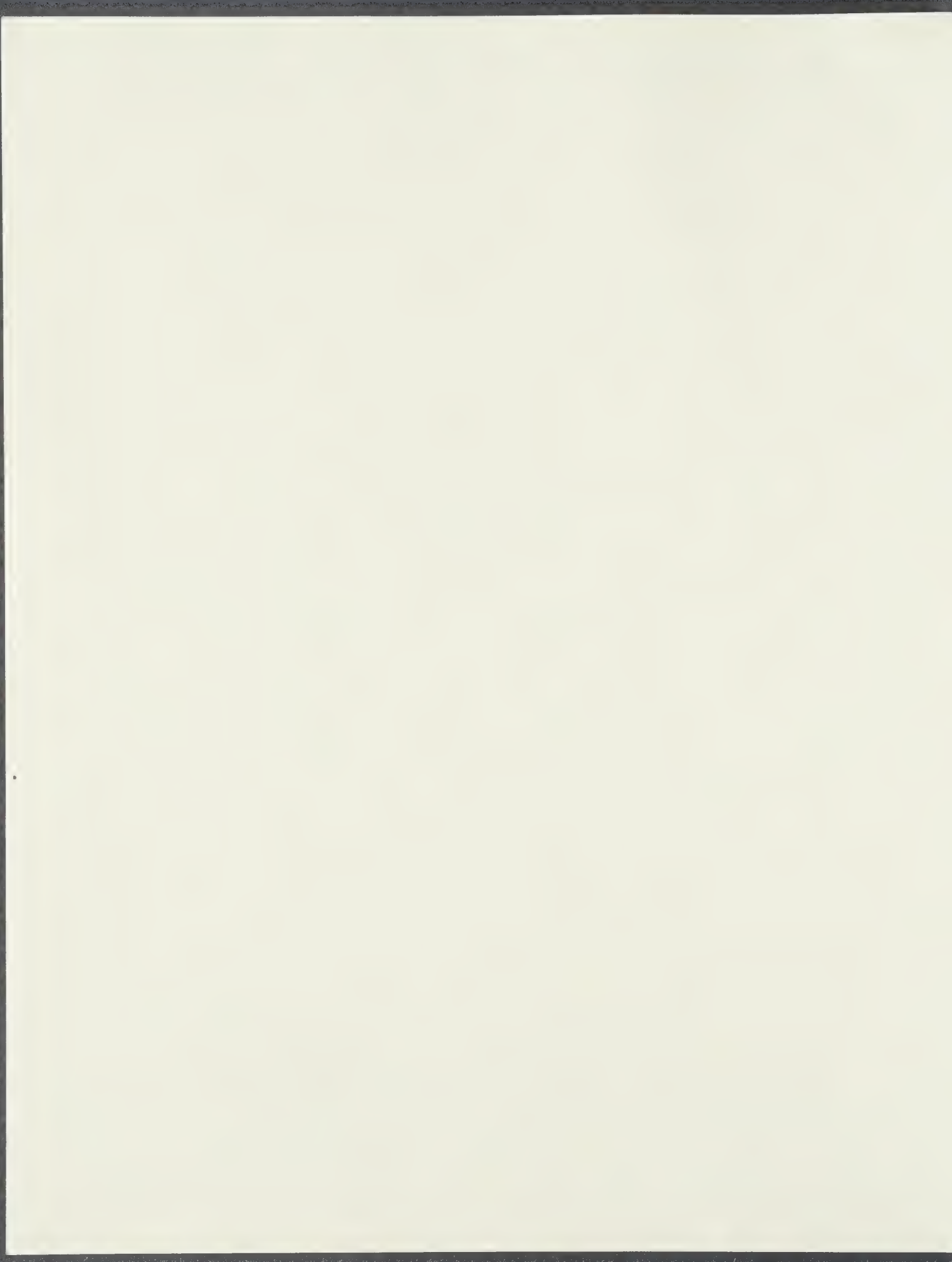
A slightly belated Happy New Year!

Sincerely,



Nicholas J. Turro

cc: Dean Macagno
Prof. Flynn



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

March 20, 1995

Professor Nicholas Turro
Department of Chemistry
Columbia University
New York, NY 10027

Dear Nicholas:

I sincerely hope that you will never say to yourself "I just wish that I'd never helped Alfred Bader to establish a fellowship at Columbia".

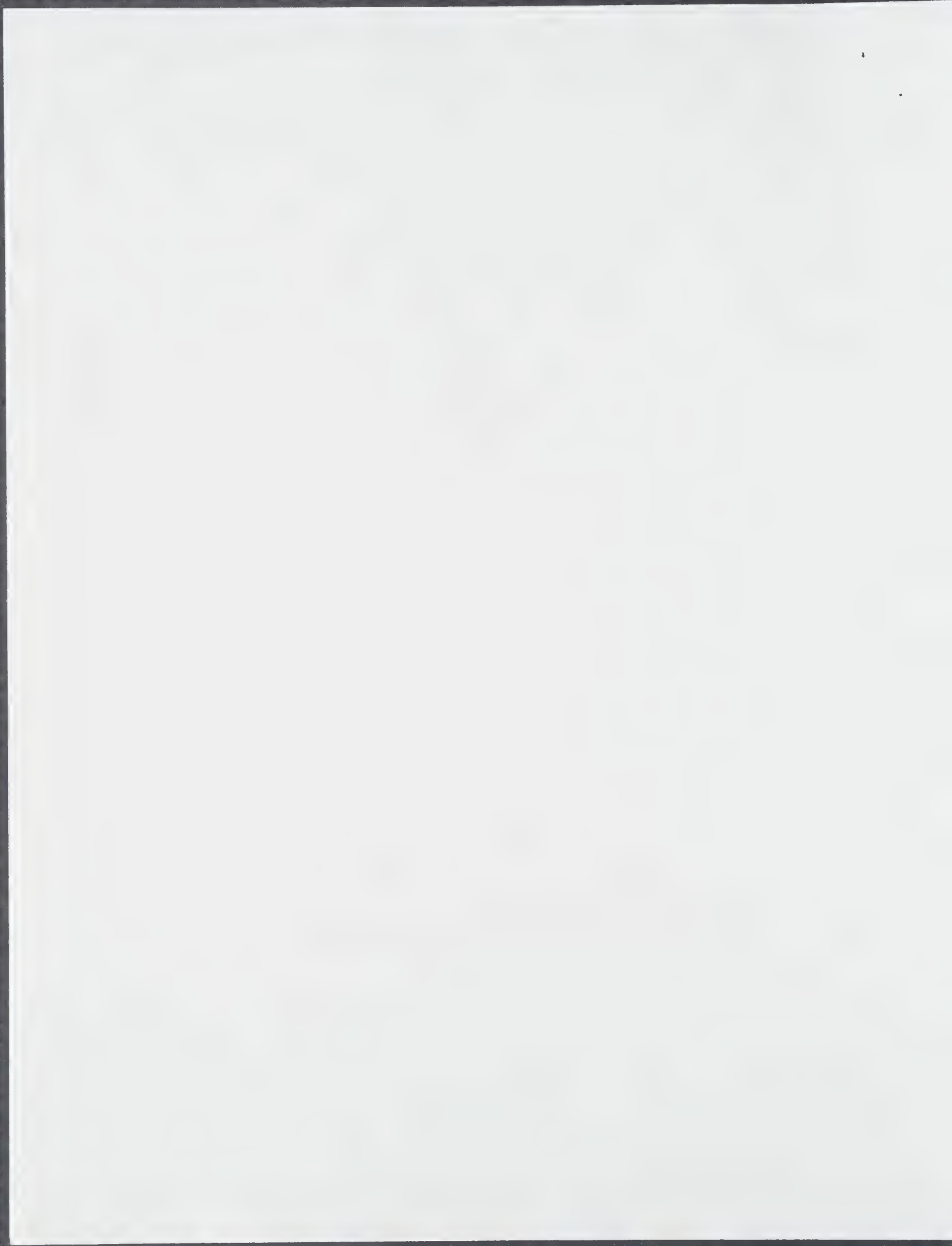
Now is the second time that I would like to bring an error in Columbia's handling to your attention.

You will recall that the first was Columbia's simply forgetting to get a Czech fellow after three years, and that oversight will, I am certain, be corrected shortly.

The next oversight is documented in the description of the 1994-95 Graduate Fellowships, where the Alfred Bader Fellowship in Organic Chemistry is described as being "(a)warded to a qualified student from the Czech Republic or Slovakia pursuing a doctorate in Chemistry."

Enclosed please find a copy of my letter to Dean Macagno written after the Czech Republic and Slovakia separated. You will note that I specifically requested that the student come from the Czech Republic, not from Slovakia.

Of course, if you have not yet picked a student, this will be easily corrected by your picking one from the Czech Republic, and then amending the next booklet describing the graduate fellowships.



Professor Nicholas Turro
March 20, 1995
Page 2

I think that you will know why I prefer helping Czechs rather than Slovaks. Slovakia was the only country under the Nazis which paid them DM 500 per Jew taken out of Slovakia, that is sent to Auschwitz. Of course you will say correctly that there are many decent and good Slovaks, but I sincerely believe that the Czech Republic is more worthy of help.

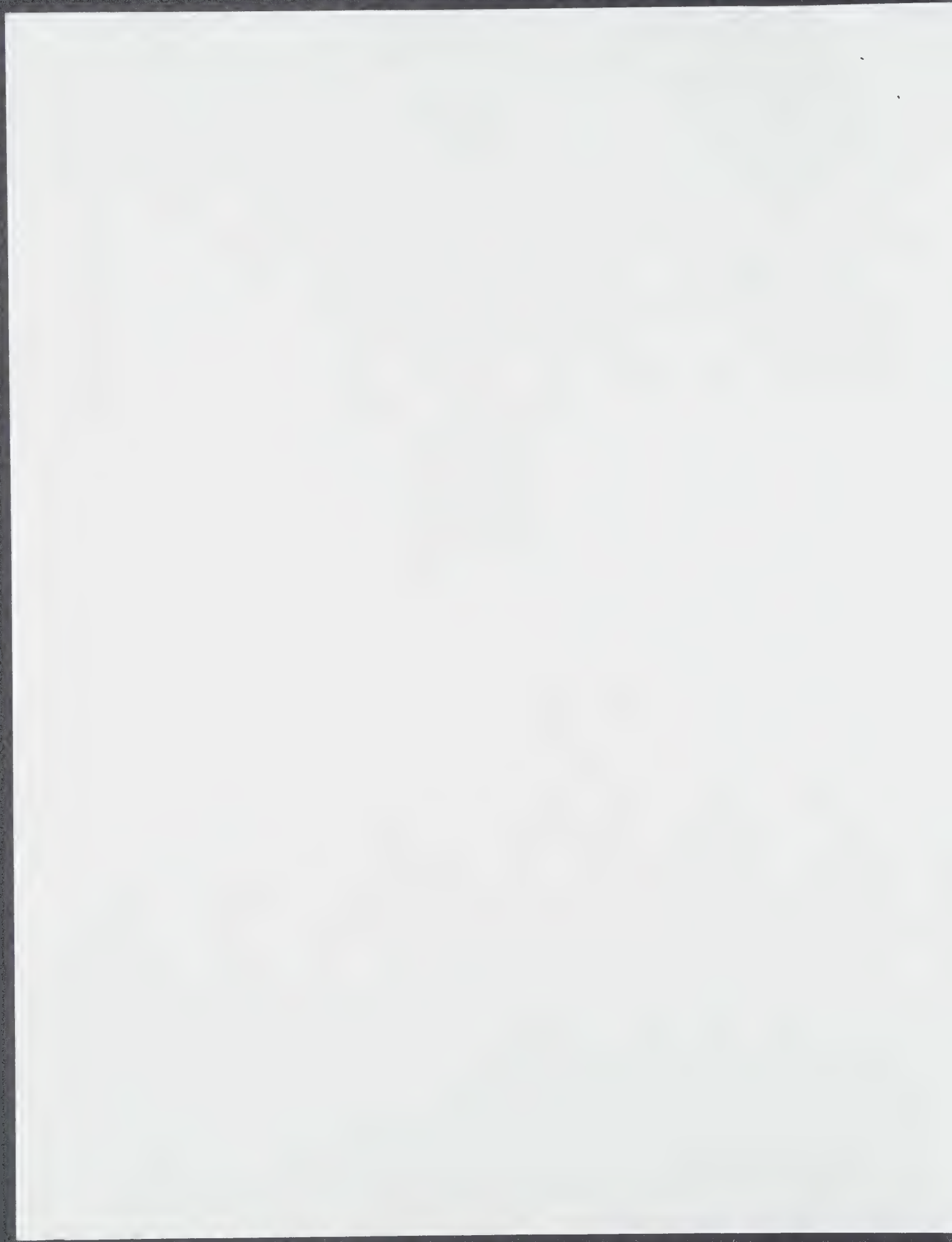
With all good wishes, I remain,

Yours sincerely,

AB/cw

Enclosure

bcc: Hannah Evans (w/enclosures)



October 7, 1993

Dr. Eduardo R. Macagno, Dean
Graduate School of Arts & Sciences
Columbia University
Low Memorial Library
New York, New York 10027

Dear Dr. Macagno:

I am so happy to know from your letter of September 29th that the first Czech Bader fellow at Columbia University, Miroslav Rezac, is doing so well.

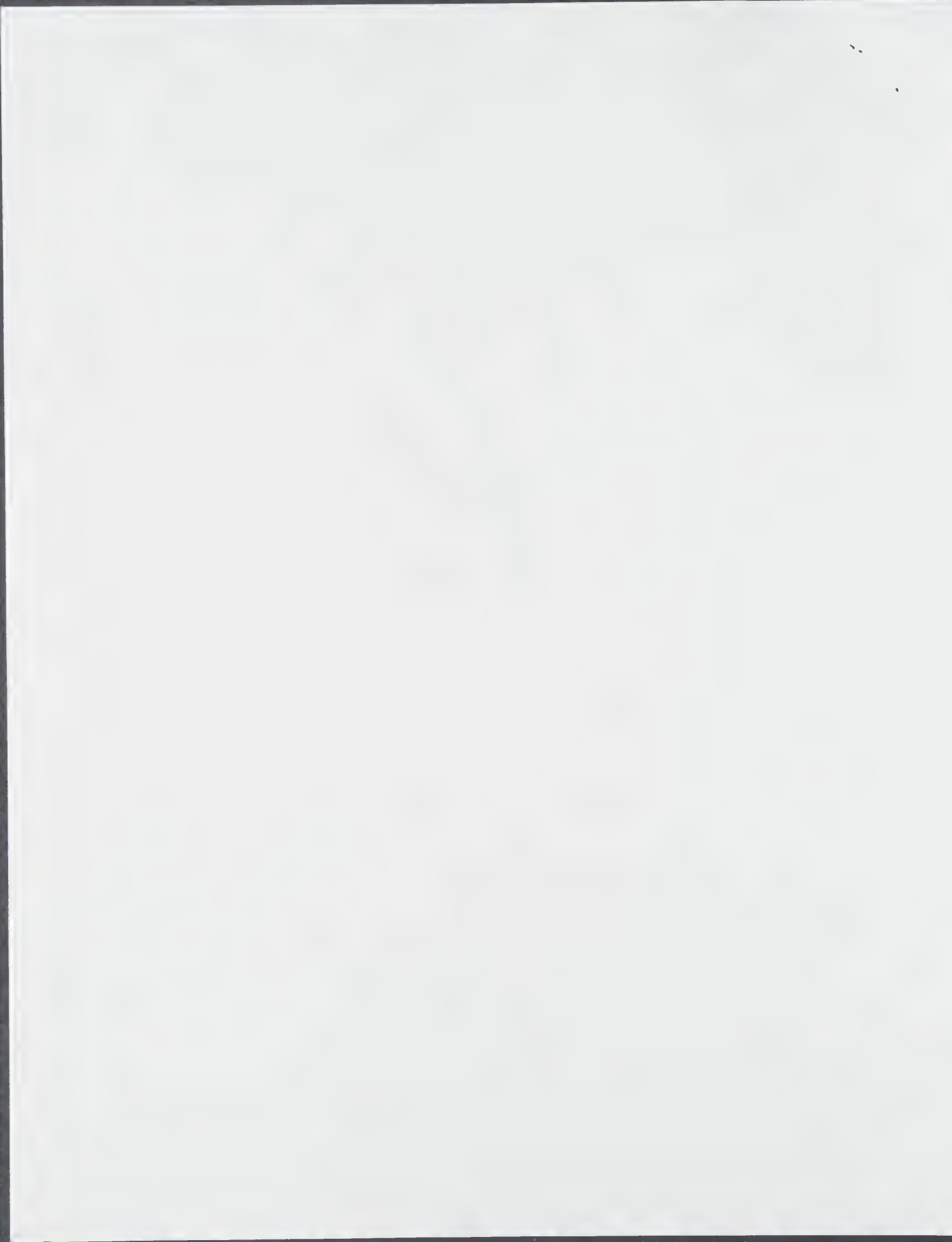
The 1993-4 academic year will be his third and last. Thus next year, you will be looking for another Czech student to come to Columbia to work towards a PhD in organic chemistry. In this connection, allow me to caution you about one previously unforeseen problem. When Columbia wrote to the various chemistry departments in what was then Czeckoslovakia, it received eight applications and selected Miroslav Rezac, who is clearly an outstanding student.

The following year, Imperial College in London looked for a Czech student, received only four applications and picked a very able man who is now getting his PhD under Professor Willie Motherwell.

Last year, the University of Pennsylvania sent out requests for applications for the same kind of fellowship in Philadelphia, received only one application, and when the Bader Fellowship was awarded to that chemist he had to advise Professor Amos Smith that he had accepted a fellowship at another university.

I discussed this problem with several organic chemists in the Czech Republic, and they explained that there weren't a great many students of real competence who want to leave the Czech Republic for several years.

Also, I have asked that the Bader Fellowship be awarded only to students from the Czech Republic, rather than from it and Slovak Republic, which made up Czechoslovakia.

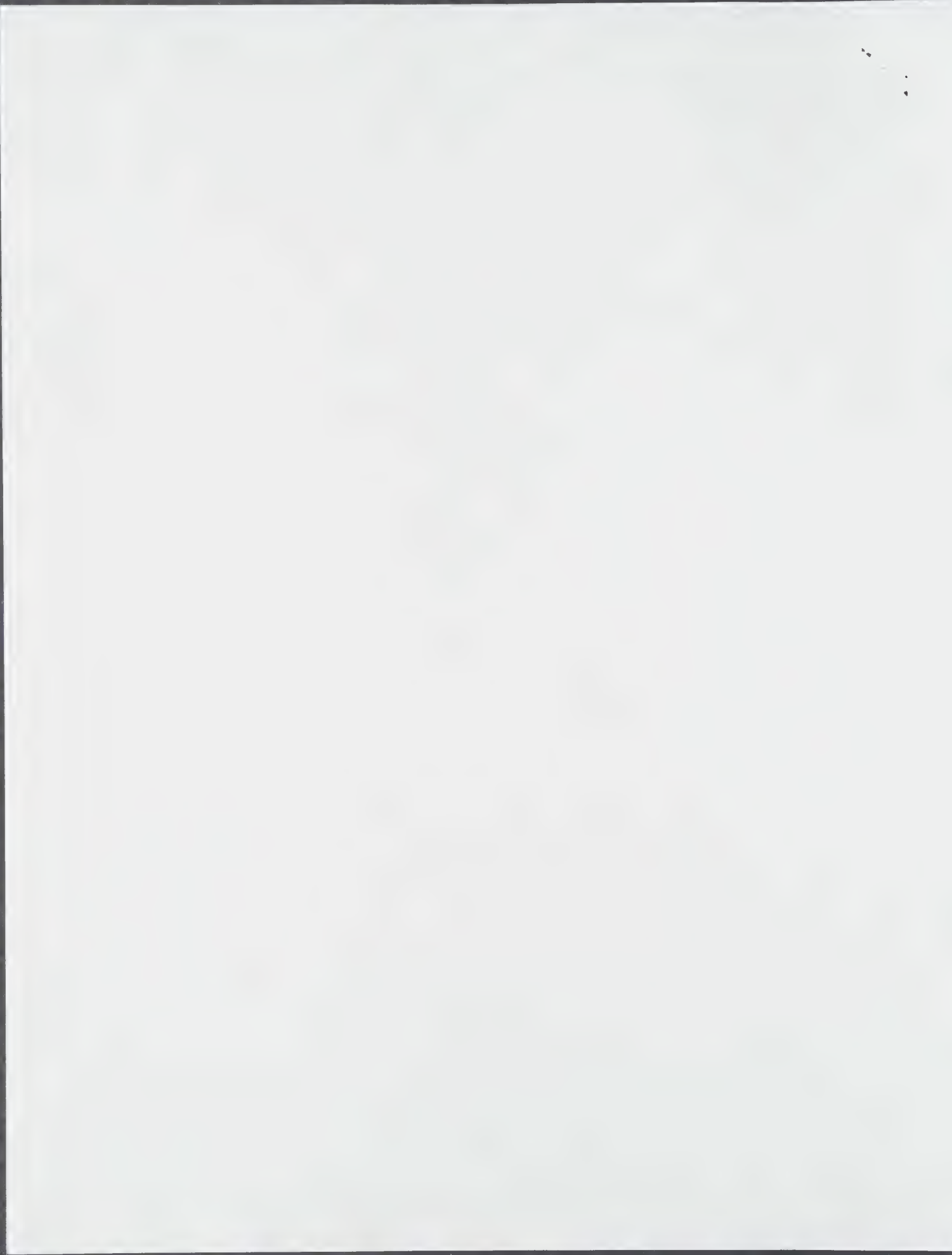


Dr. Eduardo R. Macagno
October 7, 1993
Page Two

Still, I am confident that the great reputation of Columbia University will again lead to a number of excellent applications. Also, you might like to suggest to Miroslav Rezac to communicate with his friends about his fine experiences.

Best wishes,

c: Prof. Nicholas Turro



Columbia University in the City of New York | New York, N.Y. 10027

GRADUATE SCHOOL OF ARTS AND SCIENCES
Office of Development and Alumni Relations

Phone: (212) 870-3415
Fax: (212) 870-3109

September 19, 1997

Dr. Miroslav Rezac
c/o Professor Paul Bartlett
Department of Chemistry
University of California at Berkeley
Berkeley, CA 94720-1460

Dear Dr. Rezac:

In a recent letter to the Graduate School's Dean, Eduardo Macagno, Dr. Alfred Bader suggested that you might like to do an article for our newsletter, *GSAS News & Views*. Dr. Bader thought that a piece on your observations and experiences when you first came to the Graduate School of Arts and Sciences (and New York City!) would make interesting reading for alumni.

I'm enclosing a couple of past issues of the newsletter, on the chance that you haven't seen it. As you'll see, we try to keep the writing from sounding too academic, since it goes to alumni of all departments of the Graduate School -- biologists, philosophers, historians, astronomers, et al.

Assuming that you agree to write something for the newsletter, I hope you could get your copy to me by December 1. If you would like more time, I'm sure we can work something out. As for length, two columns would be wonderful; if you wanted a full page, that would be all right too. Also, if you have a photo of yourself and will pass it along, we could run that as well.

At any rate, I hope your answer is "yes." If you have any questions, you can reach me at 212/870-3413. My FAX number is 212/870-3109. I look forward to hearing from you.

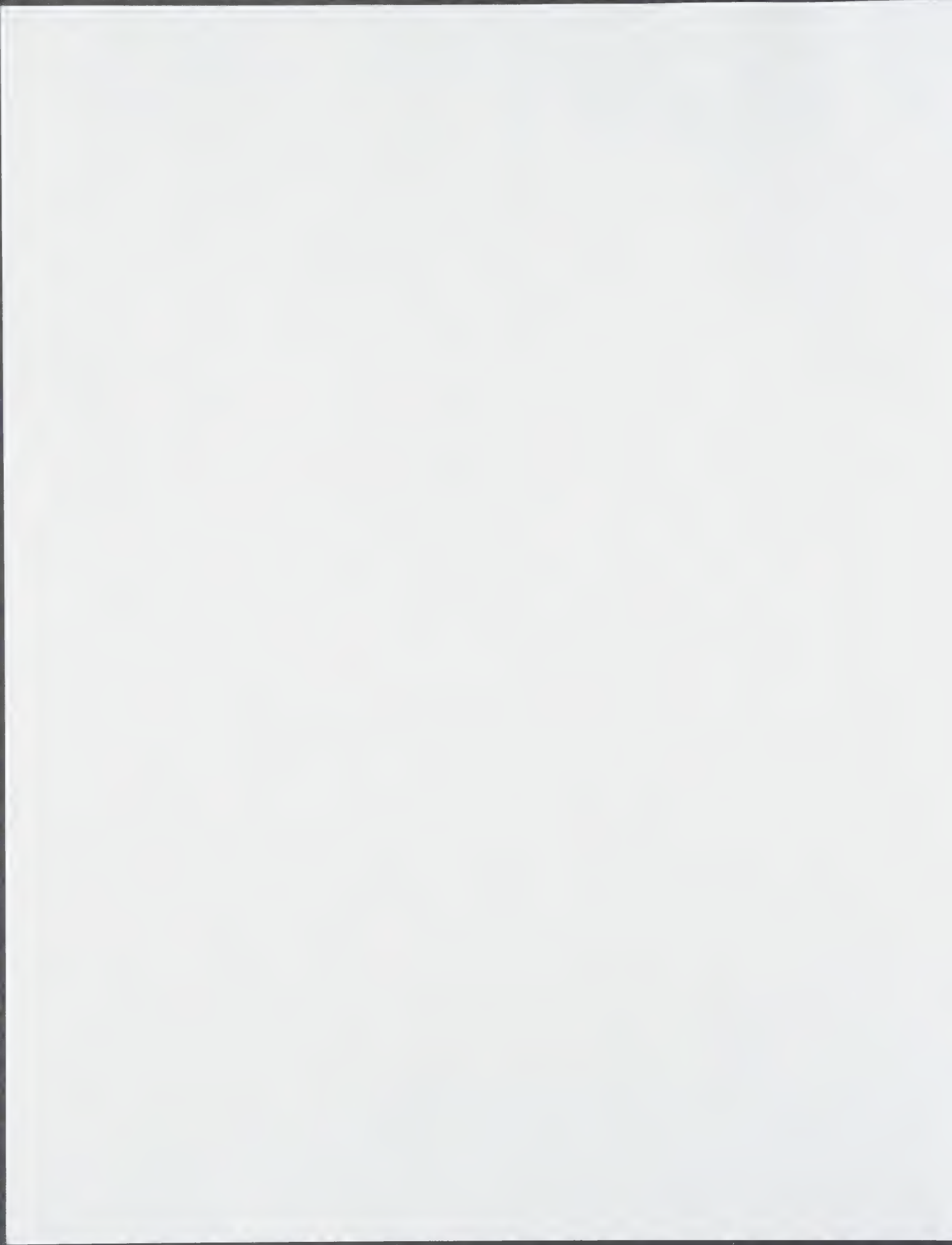
Sincerely,



Joan Cullen
Editor, *GSAS News & Views*

JC:sm
Enclosure

cc: Dr. Alfred Bader





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

A Chemist Helping Chemists

September 29, 1997

Dean Eduardo R. Macagno
Graduate School of Arts and Sciences
Columbia University
109 Low Memorial Library
535 West 116th Street, Mail Code 4306
New York, NY 10027

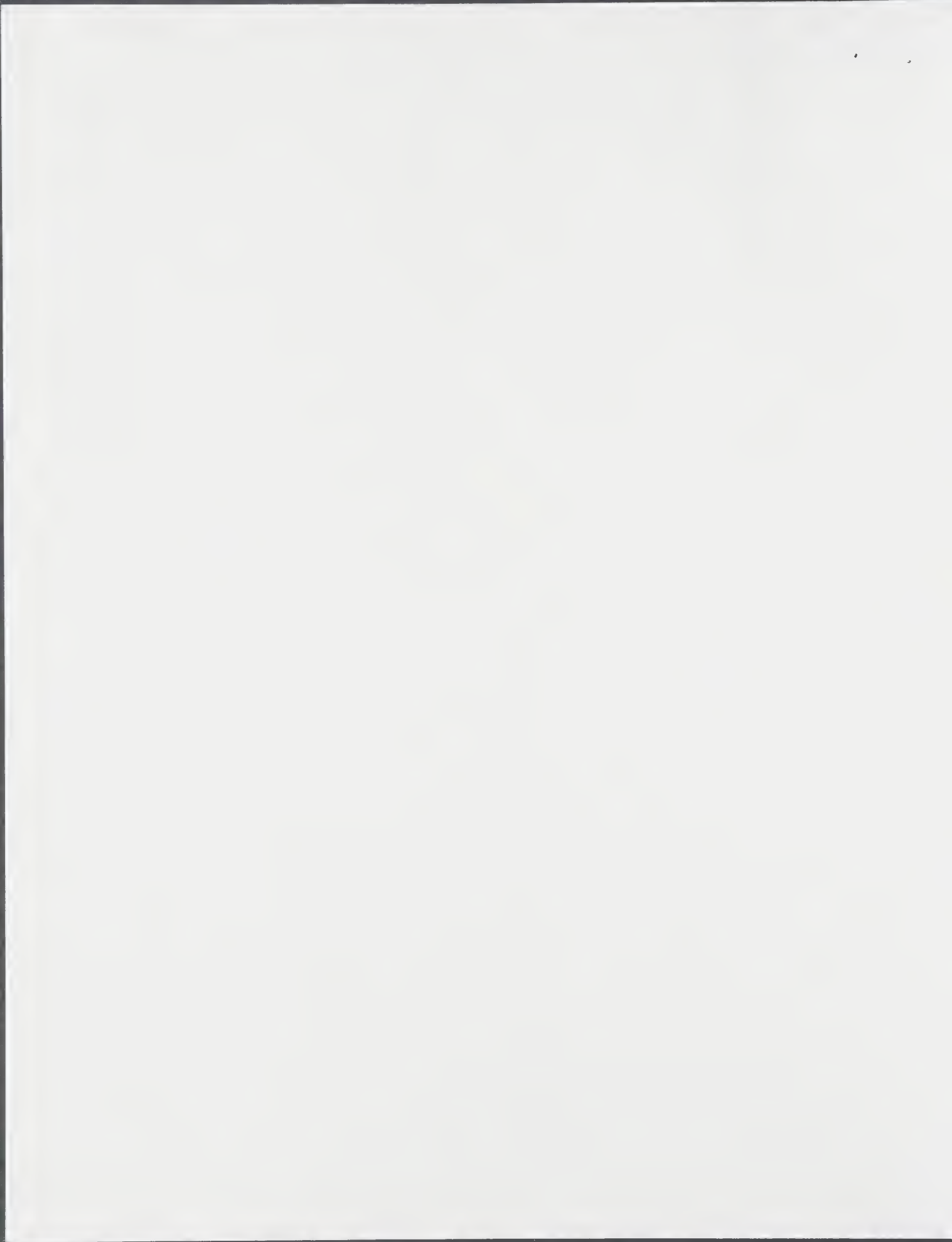
Dear Dean Macagno:

In response to your kind letter of September 24, I would be happy to meet with you in New York when next I come, probably in January or February. I will, of course, give you ample notice.

Surely the suggestions for improved treatment of Fellows from the Czech Republic made by Dr. Rezac are reasonable and are not costly.

Columbia was the first of the four universities to have a Bader Fellow and Miroslav Rezac did very well. Then Columbia simply forgot to look for the second Fellow but then caught up a year later and will then be looking for the third Fellow, two years rather than three, after the second fellow came to you.

I have been working closely with The Foundation for a Civil Society to make the Fellowships known among Czech chemists and I enclose the Foundation's announcements.



Dean Eduardo R. Macagno
September 29, 1997
Page two

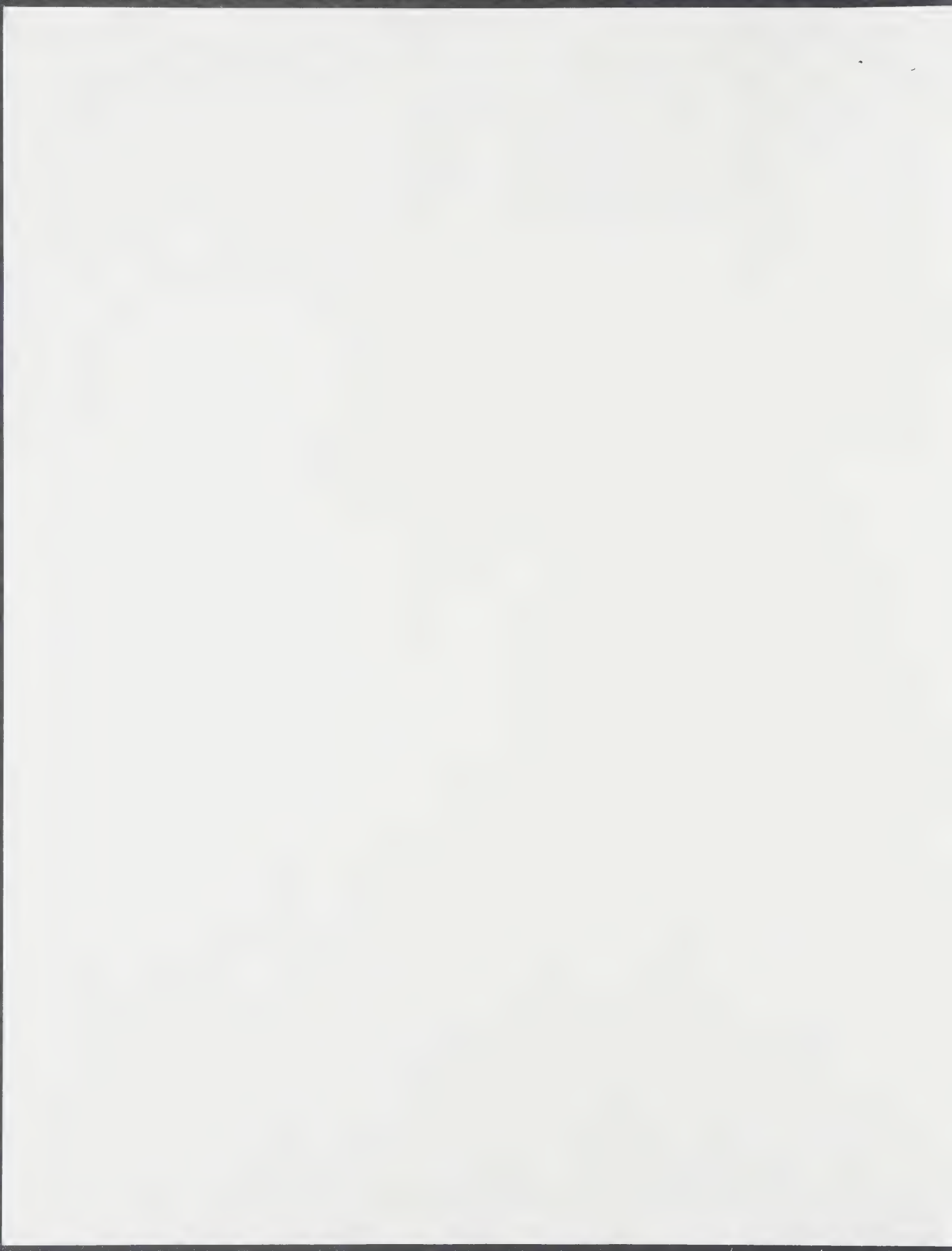
Harvard and the University of Pennsylvania are arranging to send their present Fellows to the Czech Republic to speak personally at the Czech chemistry departments. Naturally I have asked them to speak not only about their own schools, but about all four.

With all good wishes, I remain,

Yours sincerely,

AB/nik

Enclosure



COLUMBIA UNIVERSITY
IN THE CITY OF NEW YORK



Graduate School of Arts and Sciences
OFFICE OF THE DEAN
109 Low Memorial Library
535 West 116th Street Mail Code 4306
New York, NY 10027

Tel: (212) 854-2861
Fax: (212) 854-2863
<http://www.columbia.edu/cu/gsas/>

September 24, 1997

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

Dear Dr. Bader:

I trust this letter finds you well.

I have been giving further thought to your suggestions for improving the Bader Fellows program. If implemented, enhancements of the kind you outlined would make the Bader Fellows a model for all named fellowships here at Columbia. I would like very much to have the opportunity to meet with you personally to discuss your proposals and talk about ways in which we can move them forward.

I would therefore like to extend an invitation for you to visit the University the next time your travels bring you to New York City. As part of that visit, I could also arrange for you to meet with some members of our chemistry faculty to discuss the current initiatives and future directions of the department and of the field in general.

Either I or a colleague will be in touch to find out when you might be coming to Morningside Heights, or if another possible site for a meeting might be feasible. In the meantime, please accept my thanks for your continued interest in Columbia and my best wishes.

Sincerely,

A handwritten signature in blue ink that reads "E. Macagno". The signature is fluid and cursive, with a long horizontal stroke at the end.

Eduardo R. Macagno
Dean

cc: Kenneth Manotti
Meg Dooley





Dr. Alfred Bader
924 East Juneau, Suite 622
Milwaukee, Wisconsin 53202
Phone: 414/277-0730
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A Chemist Helping Chemists

May 14, 1997

Professor Nicholas Turro
Department of Chemistry
Columbia University
Havemeyer Hall
New York, NY 10027

Dear Nick:

You will recall that it was you who influenced me to establish Fellowships for Czech students to receive their Ph.D.'s at three universities in the United States (Columbia, University of Pennsylvania and Harvard) and at Imperial College.

The first such Fellow, Dr. Miroslav Rezac, whom you know ~~and who~~ is now a post-Doc with Paul Bartlett in Berkeley.

We met with Miroslav at the San Francisco ACS meeting and his suggestions for how to improve the details of the fellowships apply to all four universities and so I enclose a copy.

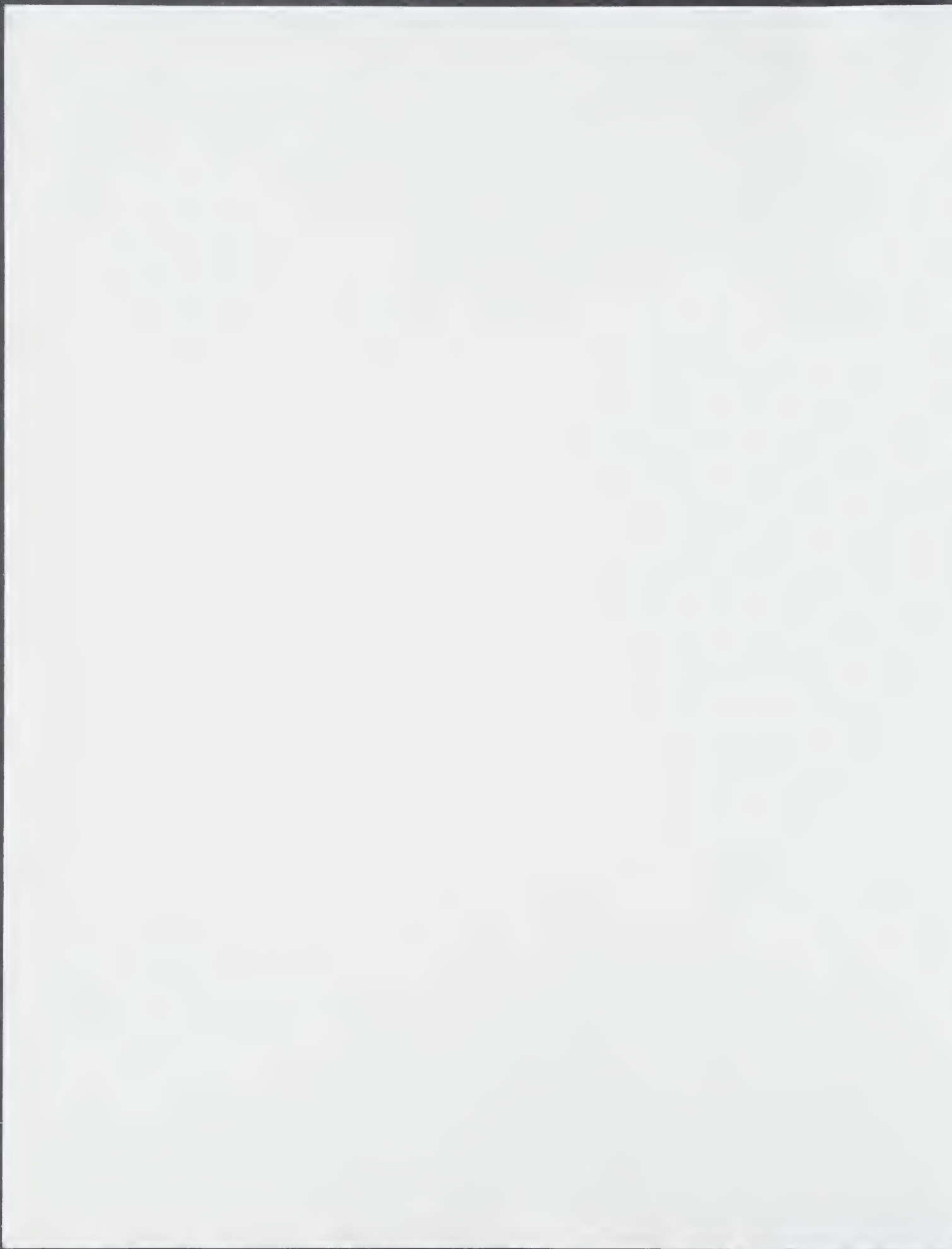
I was happy to know that the second Fellow at Columbia is now with Professor Katz. You will recall that Columbia forgot to appoint the second Fellow in the third year and appointed him in the fourth. Thus I am sure that you will now look for the third Fellow after just two years, in order to catch up.

With all good wishes from Isabel and me, I remain,

Yours sincerely,

AB/nik

Enclosure



UNIVERSITY OF CALIFORNIA, BERKELEY

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SANTA BARBARA • SANTA CRUZ

Miroslav Rezac
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DEPARTMENT OF CHEMISTRY
BERKELEY, CALIFORNIA 94720-1460

Dr. Alfred Bader
Astor Hotel Suite 622
924 East Juneau Avenue
Milwaukee, WI 53202

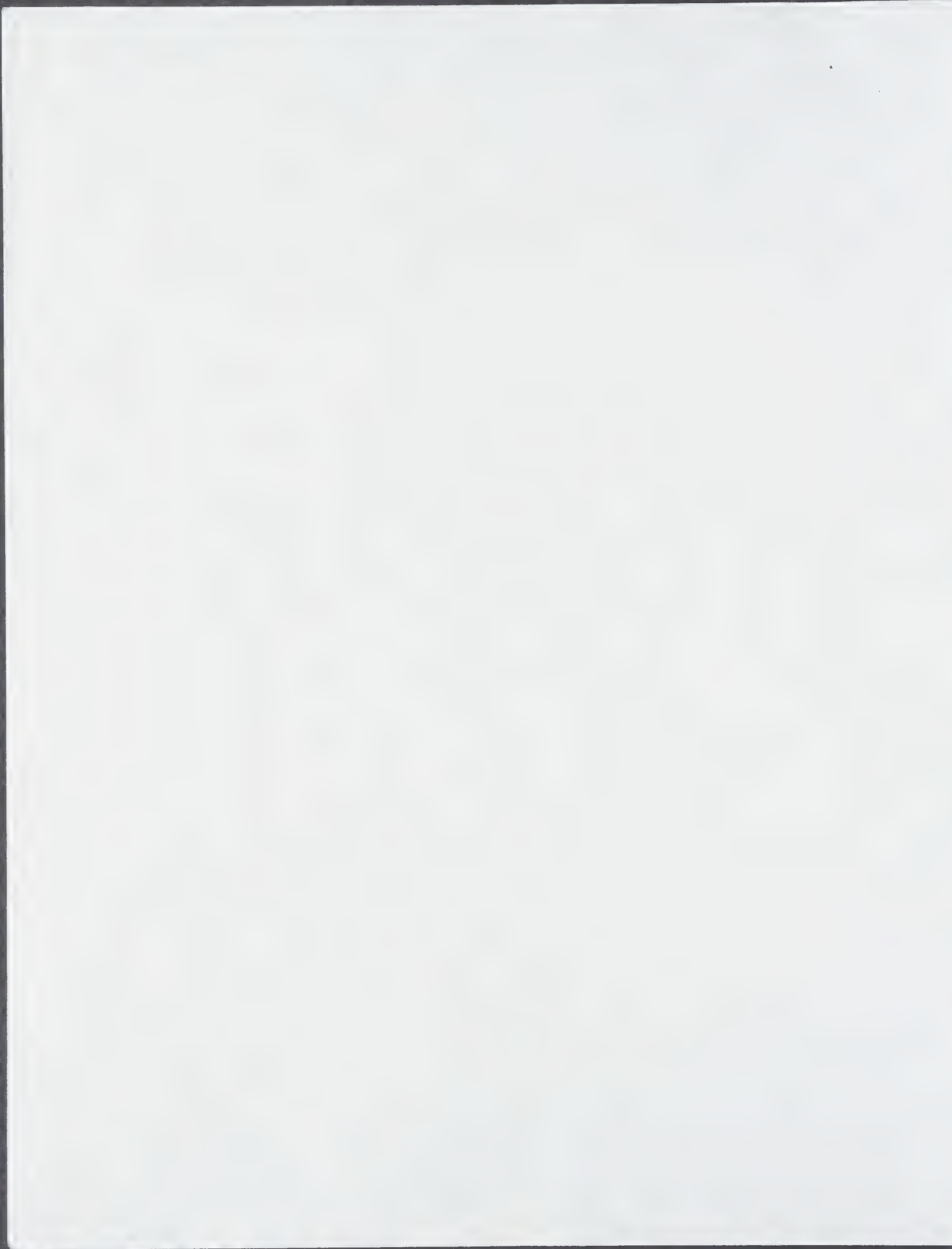
Berkeley, May 11, 1997

Dear Alfred,

As I promised during our meeting in San Francisco I looked into the Havlicek case. After carefully reviewing his work published during past 6-7 years I believe I can express my honest opinion on the whole matter.

The name of dr. Vladimir Havlicek appears on almost 40 publications. They have very little in common, covering wide variety of topics ranging from synthetic organic chemistry to elucidation of natural products to applied enzymology. Not counting the few dealing exclusively with mass spec I believe I did not find a single paper which would not involve a cooperation of dr. Havlicek, employed in the Microbiological Institute of the Academy, with another research institution. Although I consider cooperation to be a very positive thing I am afraid that Havlicek's part in it was apparently the acquisition of mass spectra for the compounds of interest plus some interpretation. My feeling about this whole thing is that dr. Havlicek's work should be best described as **analytical chemistry** of organic compounds. In any case it is a highly borderline case and I am surprised that the committee picked him as the most outstanding young Czech organic chemist.

However, there is yet another thing which worries me more than the apparent error in defining the field of Havlicek's work. It would seem that based on the high number of publications he is a very successful chemist. But I could not help asking myself about the role he played in them. And I had to conclude that he hasn't done much more than what I am getting from our mass spec facility technicians. I saw things like that done while I was still in the

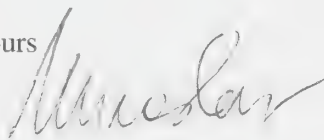


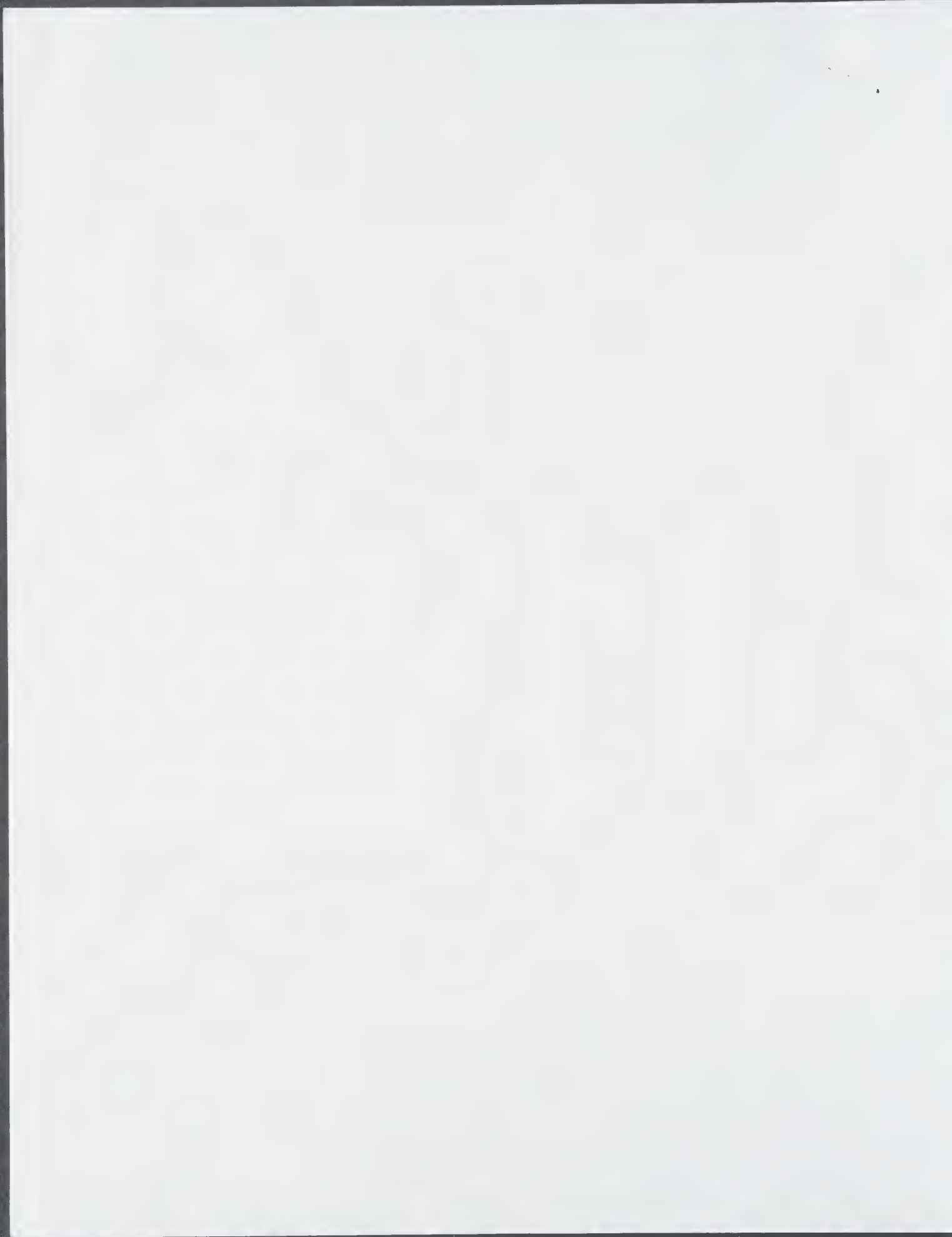
college: if you do not have any other choice you are willing to put someone as a co-author of your publication perhaps even in exchange for running for you a few NMR spectra on a machine you don't have access to. I disagree with this attitude deeply. Although this is my personal opinion I would certainly expect the committee to keep in focus the actual amount and nature of researcher's work rather than simply counting how many times someone's name appears in journals.

With this two problems I just outlined I do consider the choice of Dr. Havlicek somewhat problematic. I do not want to question the judgment of the Committee but I can tell that he certainly would not be my choice. I don't know whether the terms of the Award would allow that but I would consider defining the eligibility more explicitly as a way to avoid similar problems in the future. I am sure that in this case you are the best judge of what should or can be done.

I just wanted to tell you that I appreciate very much your effort to help the science back in the Czech republic and I will be happy to assist in any way I am able. I am really happy we could have met here in SF and I hope there is an opportunity to meet again in the future.

Sincerely yours

A handwritten signature in cursive script, appearing to read "Alan".



Columbia University in the City of New York

New York, NY 10027

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May 26, 1997

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

Dear Alfred:

It was good to hear from you and learn the remarkable history of the Bader Fellowship and how nicely it has progressed since our conversation which stimulated the creation of the first Fellowship that brought Miroslav Rezac to us.

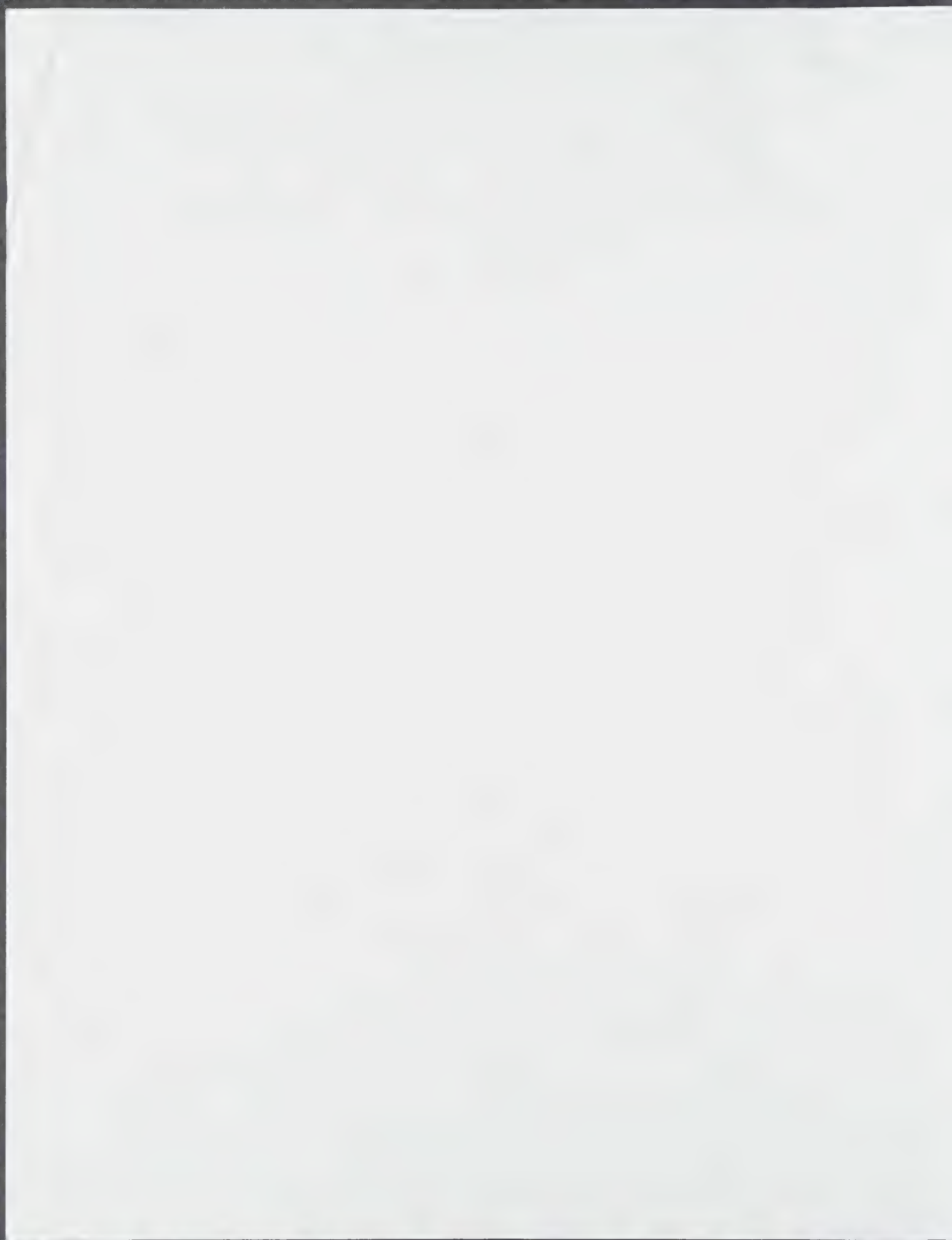
I have forwarded a copy of your reminder of the agreement that the Department has made with respect to the next Fellow to be appointed at Columbia. Our current chairman, Ken Eisenhal, is aware of the commitment and you can be sure it will be fulfilled.

Best regards to you and Isabel.

Sincerely,



Nicholas J. Turro





Dr. Alfred Bader
924 East Juneau, Suite 622
Milwaukee, Wisconsin 53202
Phone: 414/277-0730
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A Chemist Helping Chemists

September 25, 1997

Dr. Kenneth B. Eisenthal
Department of Chemistry
Columbia University
Havemeyer Hall
3000 Broadway
New York, NY 10027

Dear Ken:

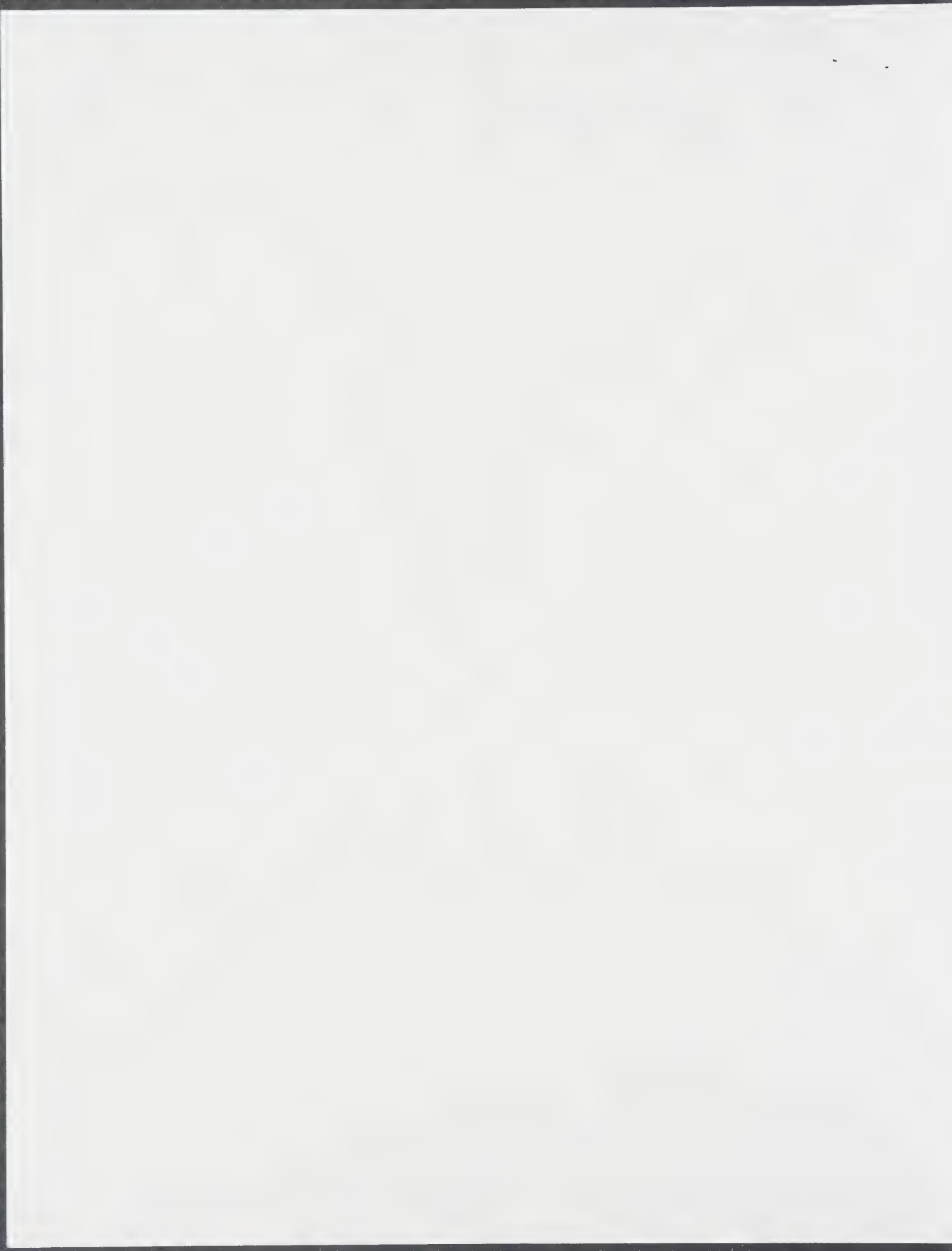
Please don't think for a moment that I have overlooked or forgotten your letter of June 4th about finding more Bader Fellows for Columbia.

Actually, I was in the Czech Republic when your letter arrived, and I talked to a good many chemists about the fellowships.

Also, the Foundation for a Civil Society, which has been most helpful, has sent out details in Czech about the fellowships to all the Czech chemistry departments, and I enclose a copy.

Furthermore, a very able Czech chemist working with Professor Gregory Verdine at Harvard, will be leaving for the Czech Republic to speak about the fellowships at the Czech chemistry departments. Naturally, I have asked him to point out that there are four such, at Columbia, Harvard, University of Pennsylvania, and Imperial College.

Also, I know that the first Bader Fellow at Columbia, Miroslav Rezac, who graduated and is now doing a post-doc at Berkeley, has been asked to write an essay about his experiences at Columbia, to be published in your magazine. I am sure that that essay will be sent to Czech chemistry departments.



Dr. Kenneth B. Eisenthal
September 25, 1997
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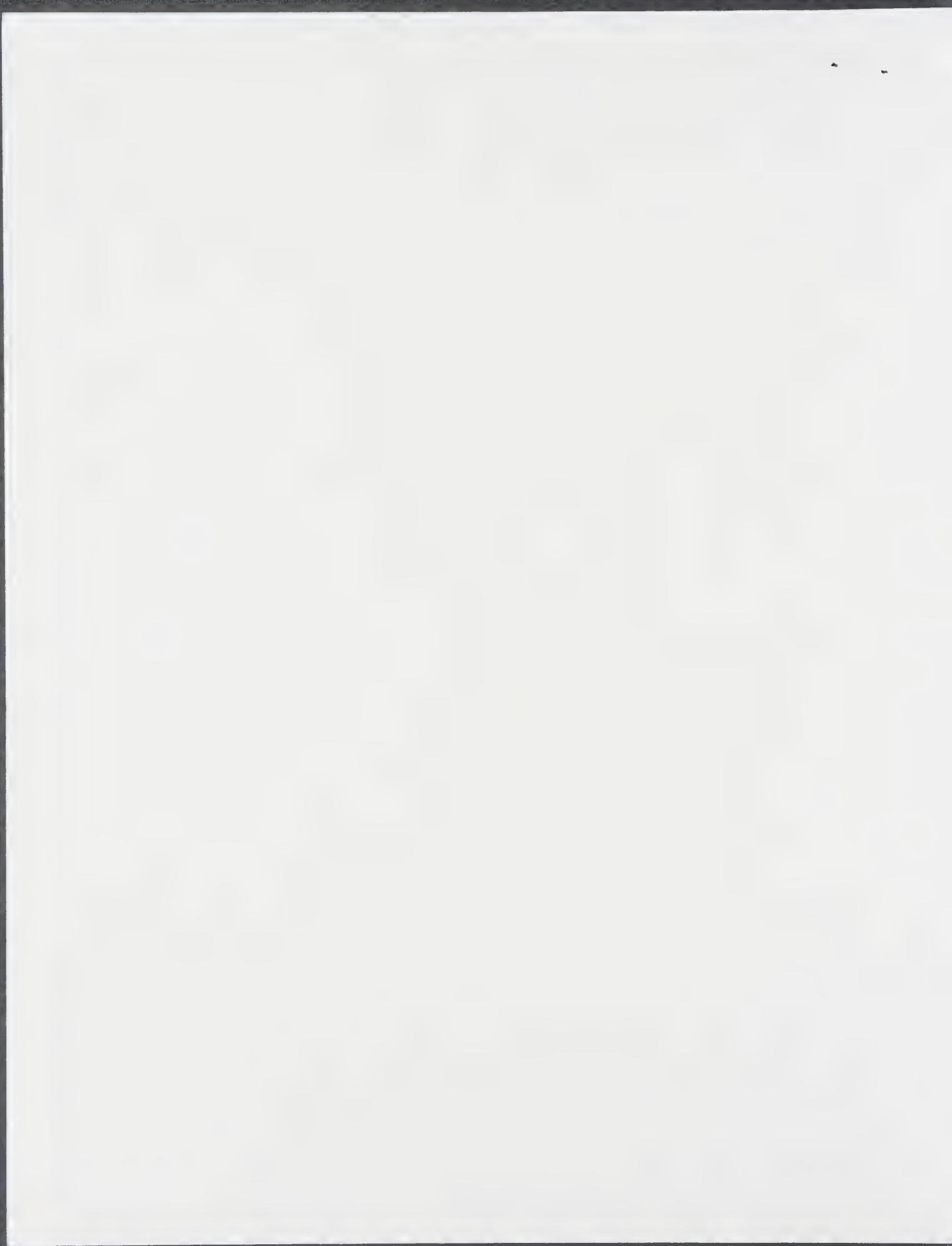
I do hope that these various efforts will combine to assure you of more students for the fellowships.

With all good wishes, I remain,

Yours sincerely,

AB/cw

c: Mr. A. Dwayne Linville
Program Assistant, FCS, New York office
Mr. Michael Castlen
FCS, Prague office



COLUMBIA UNIVERSITY
IN THE CITY OF NEW YORK
DEPARTMENT OF CHEMISTRY

June 4, 1997

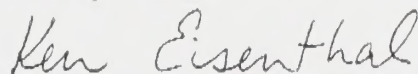
Dr. Alfred Bader
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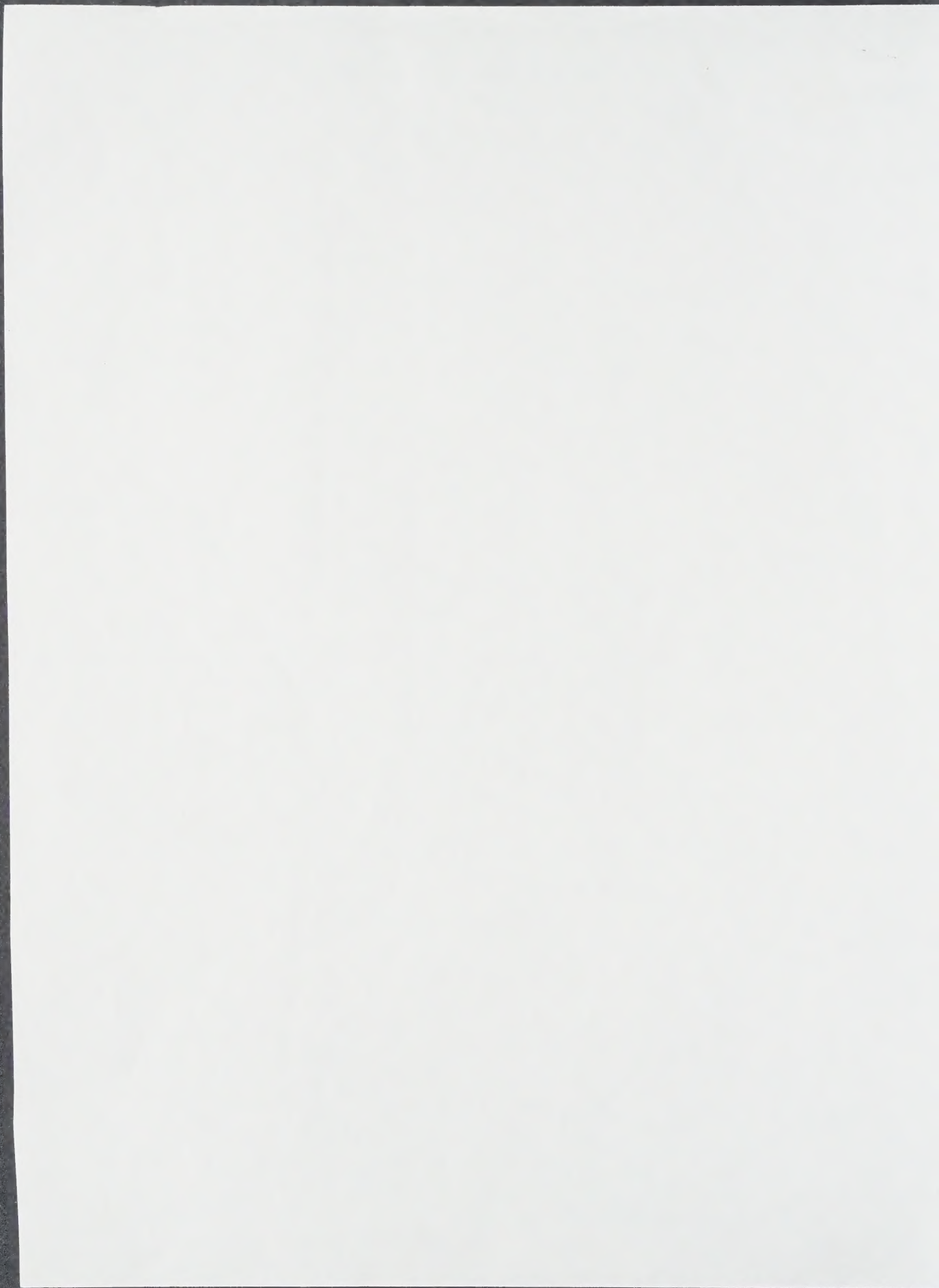
Dear Al,

We have checked the current applicant pool for the next Bader Fellow and we need your help and advice since the only applicants we have received, contrary to the situation for the previous two Bader Fellows, possess academic records which are below our threshold of admission. With your experience with the recruiting of Bader Fellows at other Universities and your own wisdom of the situation in the Czech Republic, can you please offer us some suggestions on how to proceed to recruit applicant pool that will meet our admission standards. We look forward to hearing from you.

Sincerely Yours,



Kenneth B. Eisenthal
Professor of Chemistry



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

February 10, 1993

Professor Gilbert Stork
Department of Chemistry
Havemeyer Hall
Columbia University
New York, New York 10027

Dear Gilbert:

Thank you so much for those delightful photographs.

I already look forward to visiting you when next I am in New York.

Fond regards,

