

Alfred Bober Fonds

Correspondence

American Chemical Society
1994-2004

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AMERICAN CHEMICAL SOCIETY

1155 SIXTEENTH STREET, N.W.

WASHINGTON, D.C. 20036

(202) 872-4534

Madeleine Jacobs

Executive Director & Chief Executive Officer

July 9, 2004

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

Dear Alfred and Isabel:

As promised, I am sending you this proposal, which outlines possible uses of an extraordinary gift from you to the American Chemical Society – one that helps us guarantee the future of chemistry and the future of our chemical profession. In this letter, I have detailed my thoughts for what a gift of \$10 million to the Project SEED program would mean.

Please allow me to express my appreciation on behalf of the Society for your past generosity. You both know how great an impact your support of Project SEED has made for over ten years, and for this we are very grateful. I am now looking to the next ten years and beyond. I want to improve on the success of this important program – to make it even better. To achieve this vision, the Society will need significant resources to sustain and expand the SEED Program. It is with this goal in mind that I propose the following options for your consideration:

Endowment for Alfred and Isabel Bader Named Scholars – Gift of \$ 5 million

Since 1997, your annual gift of \$50,000 to the Bader Scholarships has been matched by the ACS on a one-for-one basis, generating combined income, which provided \$5,000 college scholarships to 142 students.

Project SEED has had a tremendous influence on the lives of these students. Our statistics show that 50% of our SEED I and II students attend college, but perhaps that percentage would be greater if our SEED students were guaranteed scholarship support through the Alfred and Isabel Bader Named Scholars Endowment.



It is critical to establish this endowment for college scholarships now.

- A study released in May 2004 by the Institute for Higher Education Policy confirms that giving financial support for college tuition to economically disadvantaged students benefits not only those students but also our entire society – through greater work-force productivity and global competitiveness, lower unemployment rates, increased tax revenues, decreased expenditures on social-welfare services, and more engaged citizens.
- The Advisory Committee on Student Financial Assistance, created by Congress to suggest ways to improve access to higher education, has estimated that, every year, about 170,000 qualified low- and moderate-income high school graduates shy away from attending college because of finances.
- In 2002, this same organization reported that even after all grant aid, work/study income and student loans, the average low-income student still fell short \$4,000 in being able to cover their expenses.

The College Board reported average tuition and fees at public colleges have increased 47% over the past 10 years. We need to plan for the future when a \$5,000 scholarship will be inadequate for our SEED students.

Your commitment of \$5 million would generate income to support 20 Bader Scholars annually in perpetuity. As the endowment grows, we would increase scholarship support, to allow for tuition increases and to accommodate future inflationary increases.

Alfred and Isabel Bader Endowment for SEED II – Gift of \$2.5 million

Your initial gift of \$300,000 in 1992 launched Project SEED II, the second year experience for SEED students.

It is important to increase the stipend for SEED II and create an endowment because:

- This second year is critical. As an ACS employee who has been involved with the program for almost fifteen years said, "Now we've captured their interest and they're willing to come back for a second year. It's important that they have an incentive and reward for giving up eight weeks of their summer break to spend it in a lab."
- The current stipend for SEED students is \$2,000 for eight to ten weeks of eight-hour days in the lab. This stipend translates to approximately \$6.25/hour. Although it is more than the stipend of \$1,750 (or \$5.46/hour) for SEED I, it is not competitive with other opportunities students may be persuaded to consider that second summer.

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This ensures transparency and allows for easy verification of the data.

In the second section, the author details the various methods used to collect and analyze the data. This includes both manual and automated processes. The goal is to ensure that the information gathered is both reliable and comprehensive.

The third part of the document focuses on the results of the analysis. It shows that there is a clear trend in the data, which suggests that the current strategy is effective. However, there are some areas where improvement is needed, particularly in terms of efficiency and cost reduction.

Finally, the document concludes with a series of recommendations for future action. These include implementing new software tools, training staff on best practices, and conducting regular audits to ensure ongoing accuracy.

The following table provides a summary of the key findings from the analysis. It shows that while overall performance is strong, there are specific areas that require attention.

Category	Current Status	Target Status
Revenue Growth	15% increase	20% increase
Operational Efficiency	85% completion	90% completion
Customer Satisfaction	4.2/5 rating	4.5/5 rating
Cost Management	5% reduction	10% reduction

Based on these findings, it is recommended that the organization focus on improving operational efficiency and cost management in the next quarter. This will help to achieve the target revenue growth and maintain high customer satisfaction levels.

- Even though students in the Project SEED program are receiving a valuable, mentorship experience that may influence their academic and career path, they have to consider the financial implications of that choice. As an alternative, it is possible for them to earn \$5.15-7.00/hour at a fast food restaurant in their own neighborhood. Major discount stores pay teens \$8-9.00/hour and teen babysitters receive \$7-10/hour. Many students pay additional commuting expenses. A summer-work location close to home may be more appealing than crossing town on the subway to get to a SEED lab. There are indeed opportunities that may be more appealing than the current SEED II Program, as the students may be unable to overlook their financial imperatives.

Your commitment of \$2.5 million would insure stipend support for 20 named Bader Scholars in perpetuity. It will also allow us to offer increased stipend support of up to \$3,000 (or more as the corpus grows) for an increased rate of \$9.30/hour.

Alfred and Isabel Bader Fellowship Endowment for SEED Students Advanced Studies in Chemistry - Gift of \$2.5 million

Our next challenge is to encourage our SEED graduates to stay on the chemical sciences path and continue their educational experience with graduate studies. The 1996 Evaluation Report for Project SEED indicates that the predominant educational level achieved by participants (of the 397 respondents) was the bachelor's degree (63%). The Masters degree level was next at 13%, and 7% of the sample reported Ph.D. degrees or medical degrees. I would like to increase these percentages by offering funding to students who pursue graduate work. If our SEED students were offered an opportunity for a fellowship with a stipend of \$50,000 covering salary, travel and training expenses, there would be a greater incentive for continued study. Your gift of \$2.5 million would establish the Alfred and Isabel Bader Fellowship to be awarded to a Project SEED graduate every year.

To summarize, I offer the following areas of need, which would benefit from your gift of \$10 million:

Bader Endowment for Named Scholars	\$5.0 million
Bader Endowment for Named Project SEED II Stipends	\$2.5 million
Bader Fellowship Endowment for Project SEED graduates	<u>\$2.5 million</u>
	\$10.0 million

Another consideration that may or may not be an alternative to any of the above would be to help me achieve my vision to increase the current Project SEED Endowment from \$4.8 million to \$10 million over the next three years. For this, I believe that a challenge grant from loyal and faithful donors such as you would inspire and encourage our members and

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This ensures transparency and allows for easy verification of the data.

Furthermore, it is noted that the records should be kept in a secure and accessible format. Regular backups are recommended to prevent data loss in the event of a system failure or disaster. The document also mentions that the records should be reviewed periodically to identify any discrepancies or trends.

In conclusion, the document stresses that proper record-keeping is essential for the success of any business or organization. It provides a clear framework for how to collect, store, and manage financial data effectively.

The second part of the document outlines the specific steps for implementing a record-keeping system. It starts with identifying the types of transactions that need to be recorded. This includes sales, purchases, and other financial activities.

Next, it describes the process of selecting a suitable accounting software or system. The chosen system should be user-friendly and capable of handling the volume and complexity of the organization's data. It also suggests that the system should be integrated with other business systems to streamline operations.

Finally, the document provides guidance on training staff members on how to use the new system. It highlights the importance of ensuring that everyone involved in the financial process understands their role in maintaining accurate records.

The third part of the document discusses the legal and regulatory requirements for record-keeping. It mentions that businesses are often required to keep records for a certain period of time, depending on the jurisdiction and the nature of the business.

It also notes that there are specific rules regarding the format and content of the records. For example, certain types of transactions may need to be recorded in a particular way to comply with tax laws. The document advises that businesses should consult with legal and tax professionals to ensure full compliance.

In addition, it discusses the importance of data privacy and security. Businesses must take appropriate measures to protect sensitive financial information from unauthorized access and disclosure. This may involve implementing strong password policies, encryption, and access controls.

The final part of the document provides a summary of the key points discussed. It reiterates that accurate record-keeping is a fundamental aspect of sound financial management.

By following the guidelines outlined in the document, businesses can ensure that their financial records are reliable, secure, and compliant with all applicable laws and regulations. This will help them make informed decisions and maintain the long-term success of their organization.

other donors to donate \$2.5 million or more in order to achieve this goal. So, I ask you to consider the Alfred and Isabel Bader Challenge of \$2.5 million. Your challenge would be complete when we reach our ACS goal of \$2.5 million.

In closing, I was struck reading in your autobiography the story about how you won a "Roberta McCulloch Scholarship in engineering English, worth \$30. I still have Jean Royce's two-sentence letter, now yellowed and faded. I looked at that letter many times that summer and wondered just who Roberta McCulloch was and said to myself that, if ever I could, I would also establish such scholarships." You made good on that promise, and then some. It is heartwarming to me to think about all the many people whose lives you've changed.

Alfred and Isabel, as devoted donors to this program, I turn to you now and ask you to think about how meaningful your gift of \$10 million and a Bader Challenge would be. Understanding your passion for the Project SEED Program and your longstanding commitment to its success, I ask for this very important gift. I hope you will consider this letter as a starting point for our continuing conversation next week in England. There are many questions which I am certain you will want to consider as we move forward such as, how and when the gift may be funded, income and tax benefits for you, how you will be recognized for this gift, etc. We can discuss any or all of these at your convenience.

Thank you and I look forward to seeing you.

Warmest regards,



Madeleine Jacobs
Executive Director & CEO
American Chemical Society





Box

AMERICAN CHEMICAL SOCIETY

1155 SIXTEENTH STREET, N.W.
WASHINGTON, D.C. 20036
(202) 872-4534

Madeleine Jacobs
Executive Director & Chief Executive Officer

June 1, 2004

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

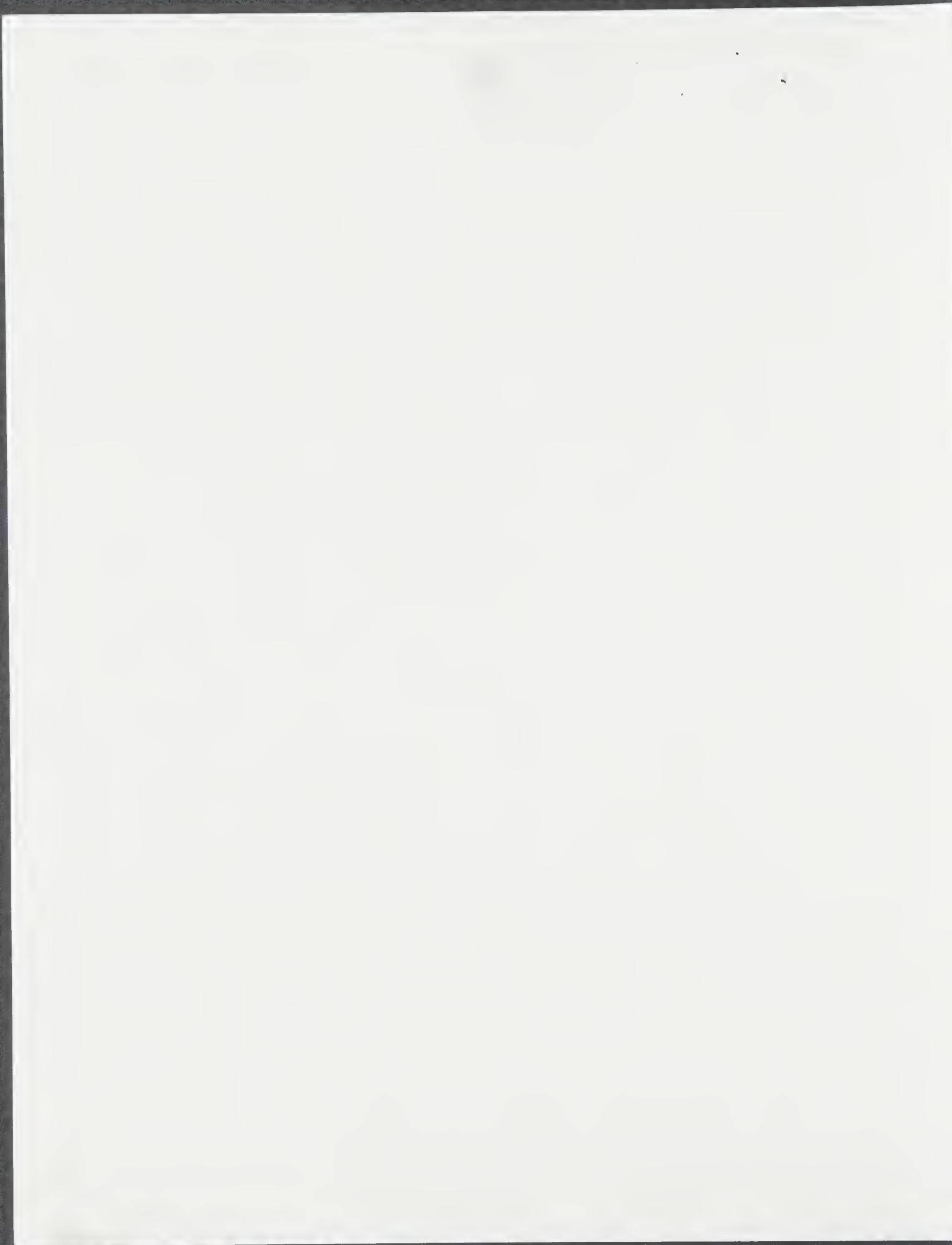
Dear Alfred and Isabel,

I was terribly upset when I received Alfred's letter of May 24 (received in my office on May 26) because I am always unhappy when ACS has made you unhappy. I wanted to write immediately to assure you that our 2003 Annual Report took into account all of your generosity for that year. What follows is going to sound bureaucratic, and I really do apologize for that because I know you both hate bureaucracy, but it is necessary for me to explain in some detail. These details were provided to me by our Treasurer/Development office, because I was not involved during those particular dates.

As you may recall, towards the end of our \$5 million campaign in 2002, you were approached by one of our staff members to make a gift in the future, which would assure a one-for-one match when your gift was received. Yours was the final gift to the campaign before the one-for-one matching fund was depleted. For our accounting purposes, this promise of a future gift was recorded as a "pledge." We realize that this "pledge" was not your typical practice, and we sincerely appreciate the fact that you were willing to vary your practice to help us reach our fundraising goal for that year.

The Board authorized a new Matching Gift Fund for 2003; this fund matched gifts on a one-for-two basis. So we were most pleased to have received your promised support of \$50,000 in 2003 for which we were able to provide a one-for-one match from the \$5 million campaign. Thus, your names are duly listed under our section of donors who made payments on prior year's pledges. In addition, we also acknowledged your contribution of \$5,000 to the World Reach Fund for the Malta Conference in 2003, under the section *Donors of \$3,000 to \$19,999*.

I hope you will understand the complexity of recognizing our donors. (At least, it seems very complex to me). I'm always upset to receive a communication like yours. As with



our financial statement, the ACS staff spends many hours preparing this donor list, confirming that donors are appropriately honored for their generosity.

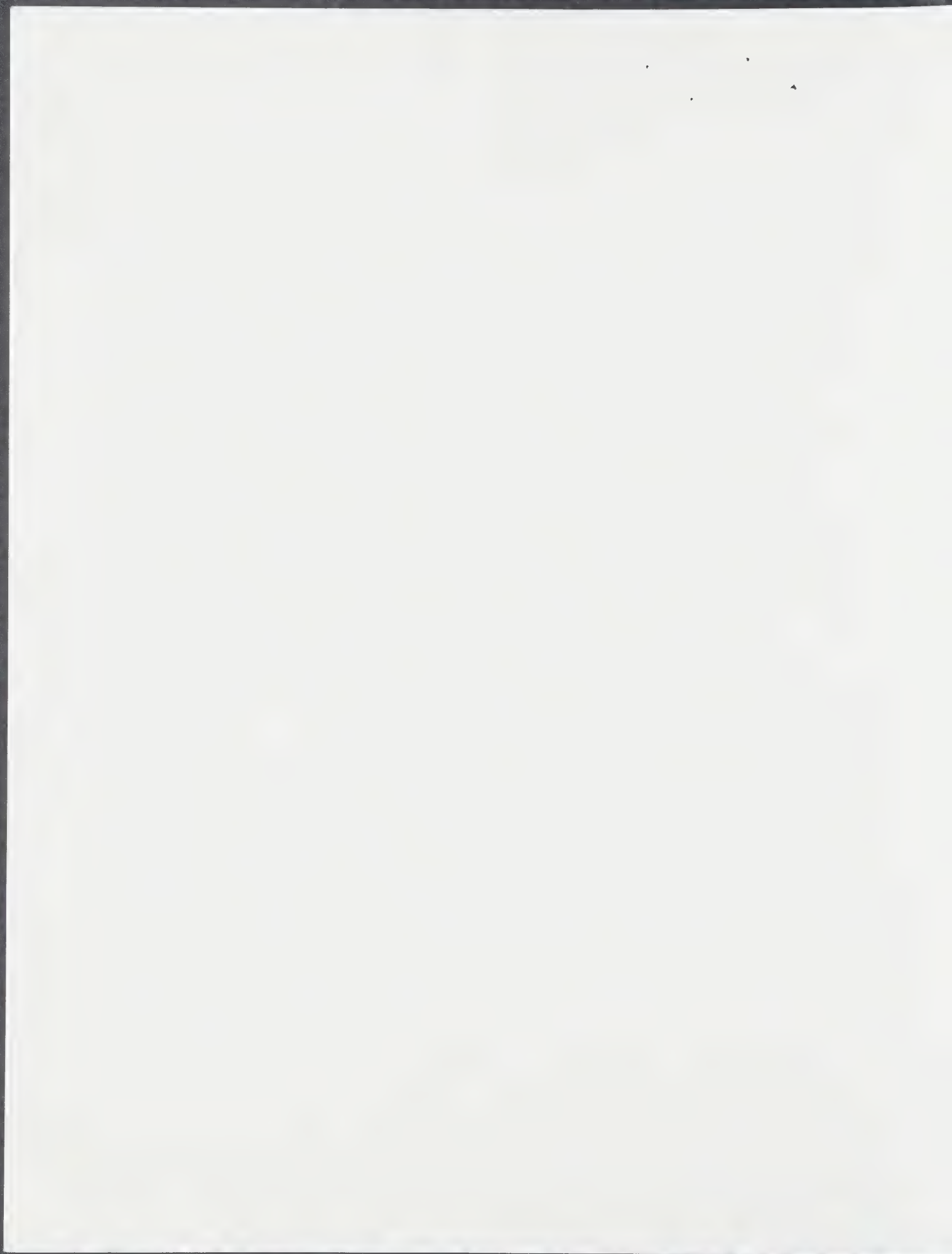
In the meantime, I promised you a letter proposal that will continue our conversation regarding the ongoing needs of the Project SEED program and our plans for the future. I am preparing to send it to you within the next week.

On an entirely different subject, I hope your 80th birthday celebration at Queens was wonderful. Joe and I look forward to hearing more about it and to seeing you and Isabel in July in England.

Warmest regards,

A handwritten signature in cursive script that reads "Madeleine".

Madeleine Jacobs
Executive Director & CEO
American Chemical Society





FAX FROM:

Dr. Alfred Bader
924 East Juneau Avenue
Astor Hotel - Suite 622
Milwaukee, WI 53202
Ph: (414) 277-0730
Fax: (414) 277-0709
www.alfredbader.com
e-mail: baderfa@execpc.com

A Chemist Helping Chemists

April 23, 2004

TO: Ms. Madeleine Jacobs, Executive Director and CEO
American Chemical Society

FAX #: 202-872-8727

Page 1 of 1

Dear Madeleine,

Isabel, Ann and I so enjoyed your and Joe's visit.

Thank you for that beautiful birthday present.

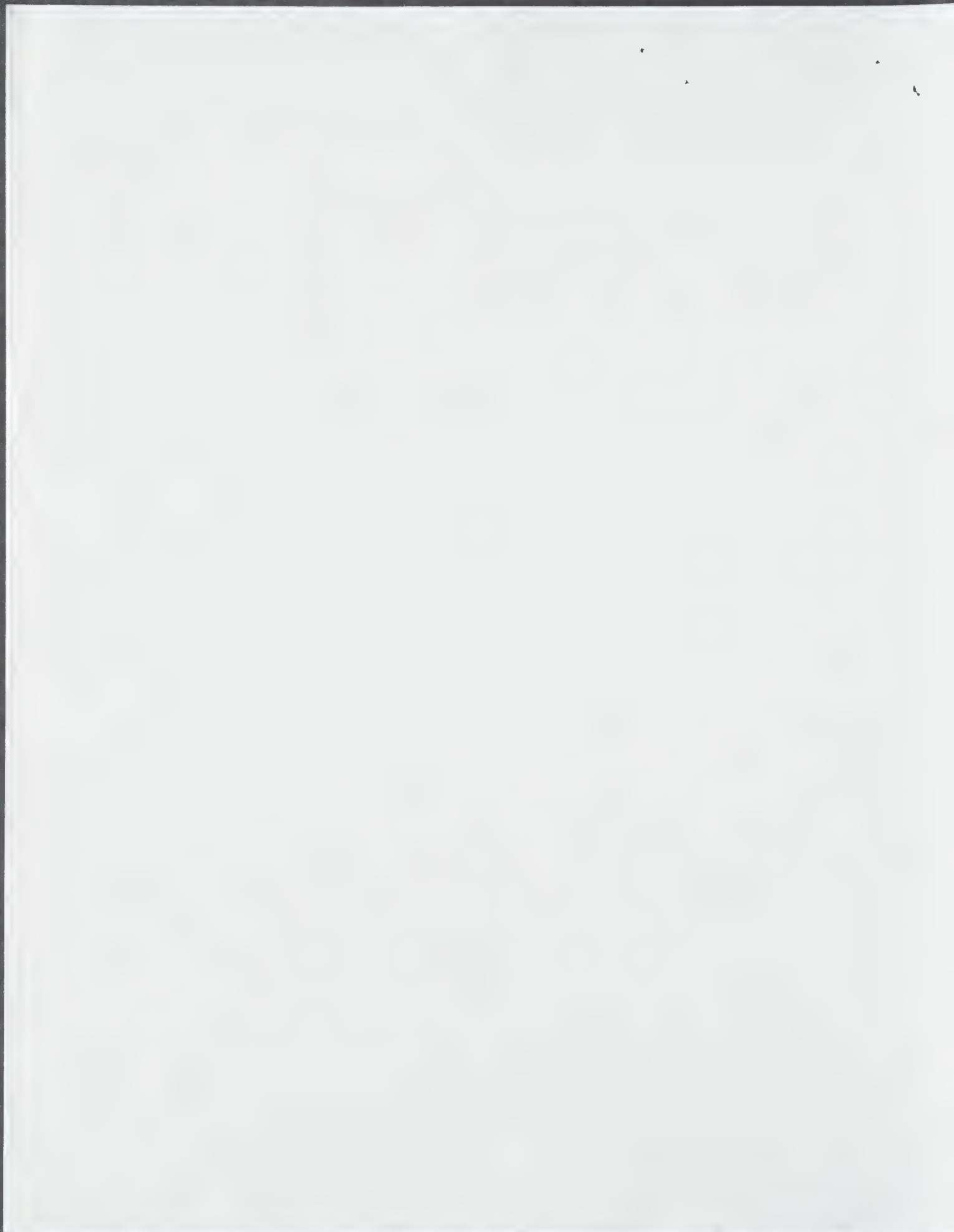
We will be in Bexhill on July 12th and 16th. July 17th is a Saturday and we usually go to synagogue in Eastbourne.

If you could come on July 12th or 16th, please plan to take the train from Victoria Station to Polgate which leaves from one of the platforms 15 to 18 around 45 minutes after each hour. Were you to leave, for instance, at 10:45 you would arrive in Polgate at about 12:05 and we would pick you up by car and take you to Herstmonceux Castle for lunch.

With best wishes I remain

Yours sincerely,

Alfred Bader
AB/az



Subject: Project SEED and ACS Matching Fund article

Date: Tue, 20 Nov 2001 12:16:45 -0500

From: Stephen Watt <s_watt@acs.org>

To: "baderfa@execpc.com" <baderfa@execpc.com>

Dr. Bader:

I am writing an article for the ACS Web portal on the "ACS Members" page. The site runs a feature article of the week and I have volunteered to write a personalized article on contributions received through the ACS Matching Gift Fund Program and have included you in my draft. Your participation is upon your agreement, of course. I tried to include a mix of chemists in different fields and I consider it a soft sell to get members to consider a contribution.

I have drafted an article for your review that is attached. The point of view cited is from an article you wrote for a C&EN Special Report in December 1999.

The location of the Web articles that are published/posted is here:

<http://www.chemistry.org/portal/Chemistry?PID=acsmembers.html>

<<http://www.chemistry.org/portal/Chemistry?PID=acsmembers.html>>

This weeks article is titled "National Chemistry Week"

Please review the draft. Your suggestions are appreciated. I look forward to your reply.

Stephen Watt
Development Activities/Treasurer's Office
American Chemical Society
1155 16th Street, NW
Washington, D.C. 20036
(202) 872-4094
Fax: (202) 872-4604

(Attachment is available as Word document or Text document)
<<Forming the future of chemistry.doc>> <<Forming the future of chemistry.txt>>

Name: Forming the future of chemistry.doc
Type: Winword File (application/msword)
Encoding: base64

Name: Forming the future of chemistry.txt
Type: Plain Text (text/plain)
Encoding: quoted-printable

Subject: Fwd: Mon, 19 Nov 2001 12:12:49 -0500
From: "abfa" <ordersfa@alfredbader.com>
To: <Baderfa@execpc.com>, "David Bader" <David@thelab.net>, "Gretchen Dossa" <Gretchen@thelab.net>, "Harry Horner" <Harry@thelab.net>

Subject: Fwd: Mon, 19 Nov 2001 09:05:34 -0800
From: D Walker <viewpoint@earthlink.net>
To: Orderfa@alfredbader.com

Subject: Fwd:

Date: Mon, 19 Nov 2001 12:12:49 -0500

From: "abfa" <ordersfa@alfredbader.com>

To: <Baderfa@execpc.com>, "David Bader" <David@thelab.net>, "Gretchen Dossa" <Gretchen@thelab.net>, "Harry Horner" <Harry@thelab.net>

Subject:

Date: Mon, 19 Nov 2001 09:05:34 -0800

From: DWalker <viewpoint@earthlink.net>

To: Ordersfa@alfredbader.com

Name: Forming the future of chemistry.txt
Type: Plain Text (text/plain)
Encoding: quoted-printable

Dear Alfred,

Hopefully, you received our last letter of October 10th.

Name: Forming the future of chemistry.doc
Type: Winword File (application/msword)
Encoding: base64

I hope this e-mail finds you and Isabel well. Iveta and I are just making preparations for all of our year-end visitors from Europe who will stay during the Holidays. It is a joyous time of year to see so many friends.

This week we are most fortunate to be hosting the Thanksgiving day festivities for all of the family in California.

It is during this time we wanted to send you our warmest wishes and affection. Amongst the many things to be thankful for this Thanksgiving is friendship, new and old. We are so happy to have you as our friends.

Name: Development Activities/Treasurer's Office
Type: American Chemical Society
Address: 1155 16th Street, NW
Washington, D.C. 20036
Phone: (202) 872-4094
Fax: (202) 872-4604

On the aesthetic side of things, please give our compliments to whomever is caring for your website. The newest design and function is excellent. We frequently look to see if any new works have been added.

We look forward to seeing you again in the new year.

All The Best, The point of view cited is from an article you wrote for a C&EN Special Report in December 1999. I have drafted an article for your review that is attached. contribution.

David and Iveta Walker
I am writing an article for the ACS Web portal on the "ACS Members" page. The site runs a feature article of the week and I have volunteered to write a personalized article on contributions received through the ACS Matching Gift Fund Program and have included you in my draft. Your participation is upon your agreement, of course. I tried to include a mix of chemists in different fields and I consider it a soft sell to get members to consider a

Subject: Project SEED and ACS Matching Fund article
Date: Tue, 20 Nov 2001 12:16:45 -0500
From: Stephen Watt <s_watt@acs.org>
To: "baderfa@execpc.com" <baderfa@execpc.com>



American Chemical Society

Membership Division
Department of Corporate Affairs
Office of Awards and Recognition

1155 Sixteenth Street NW
Washington DC 20036-4800
voice 202.452.2109
fax 202.776.8211

October 1, 2000

Dr Alfred R. Bader
2961 N Shepard Ave
Milwaukee, WI 53211-3435

Dear Dr. Bader:

The 2001 recipient of the Alfred Bader Award in Bioinorganic or Bioorganic Chemistry is Peter G. Schultz. A copy of the nominating document is enclosed for your information. An announcement of the selection of 2001 award recipients appeared in the September 11, 2000 issue of *Chemical & Engineering News*. Vignettes portraying the scientific contributions of the 2001 recipients and acknowledging your sponsorship will be published in consecutive issues of *Chemical & Engineering News* beginning in January 2001.

The award presentation will occur at the Awards Banquet on Tuesday, April 3, 2001 at the 221st ACS National Meeting in San Diego, CA. At that time, you may wish to be in attendance to make the presentation to Dr. Schultz. You will receive more details of the awards ceremony after the New Year. Dr. Schultz will be presenting his award address before the Division of Organic Chemistry at the San Diego meeting as well.

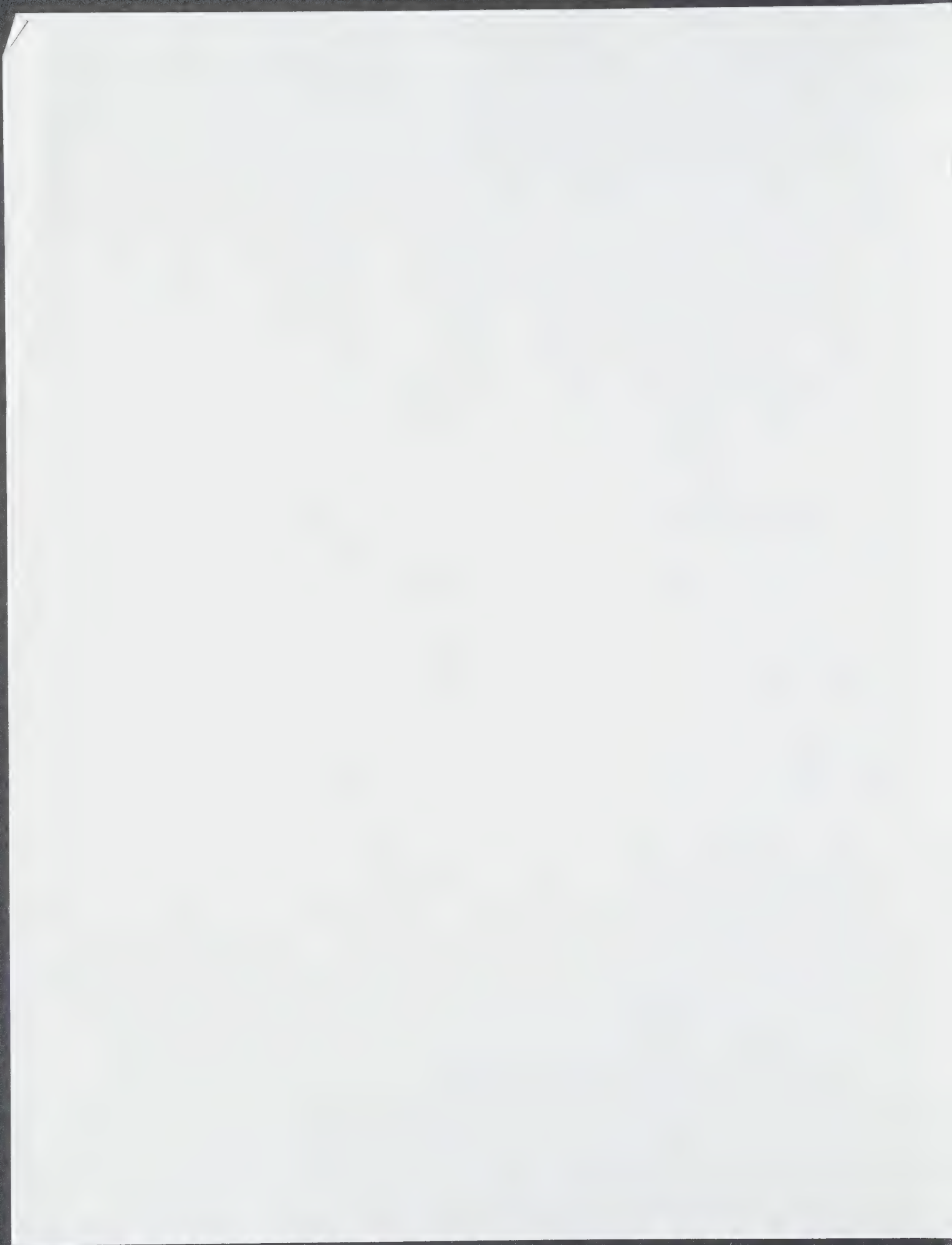
The Society appreciates your support of the national ACS Awards. If you have any questions, please feel free to contact me at m_shea@acs.org or 202.872.6022.

Sincerely,

A handwritten signature in cursive script that reads "Michael Shea".

Michael Shea
Manager

Enclosures



October 28, 2000

Dr. Alfred Bader
2961 N. Shepard Avenue
Milwaukee, WI 53211-3435

Re: Milwaukee ACS Section Awards Ceremony
on November 16, 2000 at Alverno College

Dear Dr. Bader:

This year the Milwaukee Section award is going to be given to Dr. Alexander Hill of the University of Wisconsin-Milwaukee.

As a previous winner of the award, we would like to invite you to the presentation as a guest of the Milwaukee Section.

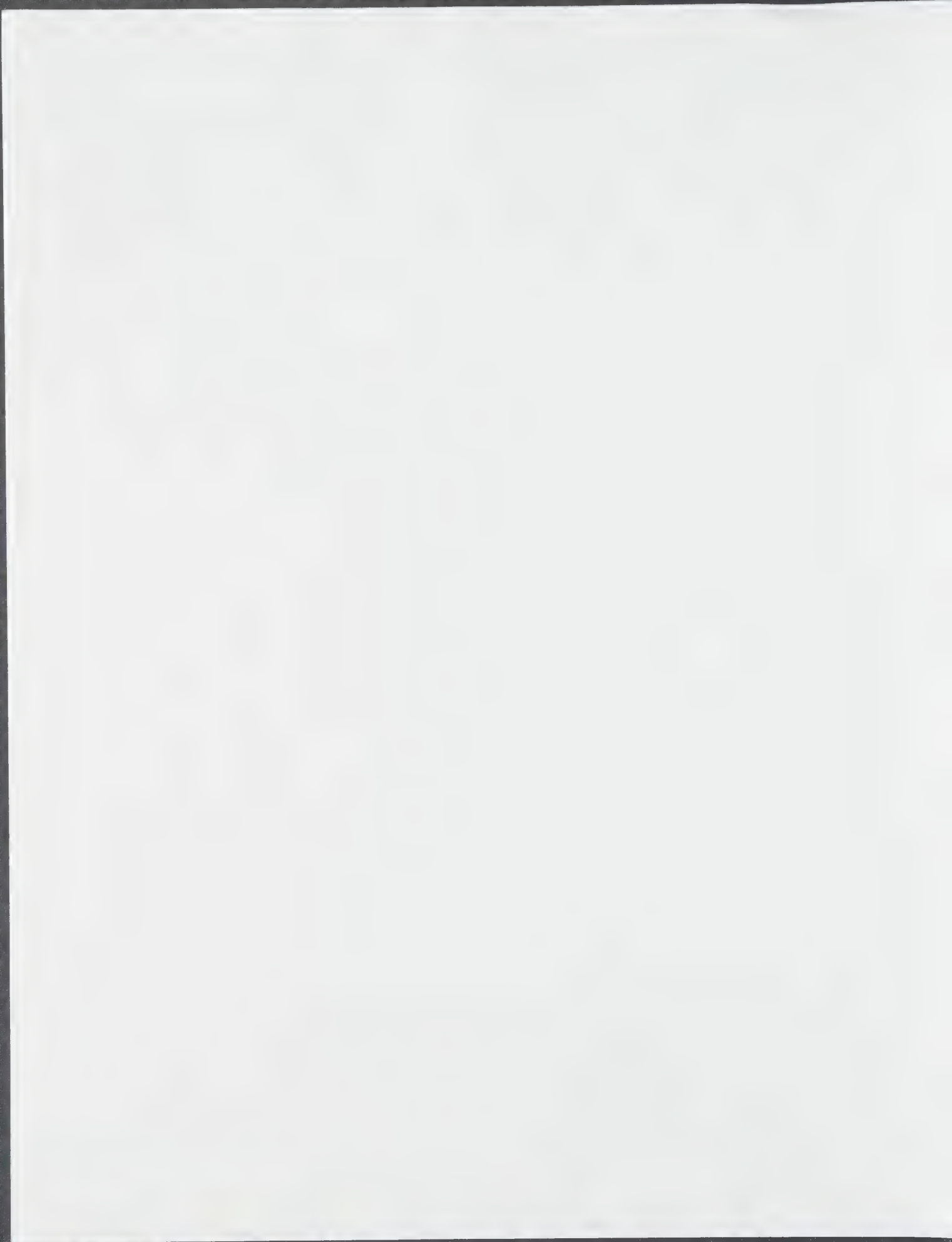
We look forward to seeing you and celebrating Dr. Hill's award at Alverno College on Thursday, November 16, 2000. The attachment and November/December issue of the *Amalgamator* contain more details about the evening itinerary. Please call Bruce Warren of Marquette University at (414) 288-3515 for *reservations by Monday morning, November 13th, at 9 a.m.* if you are able to join us.

Sincerely,

Jackie Behnke

Jackie Behnke
Milwaukee Section Chairperson

Always enjoy seeing you!
Best regards,
Jackie





American Chemical Society

EDUCATION AND INTERNATIONAL ACTIVITIES DIVISION

Sylvia A. Ware, *Director*

1155 SIXTEENTH STREET, NW

WASHINGTON, D.C. 20036

Phone: (202) 872-4388

Fax (202) 872-8068

e-mail: s_ware@acs.org

January 12, 2000

Dr. Alfred Bader
2961 N. Shepard Avenue
Milwaukee, Wisconsin 53211-3435

Dear Dr. Bader:

I too must apologize for a delayed response to your message. I have been on business and personal travel over the past few weeks, which was complicated by the holiday season. I hope the delay did not inconvenience you or your wife in any way.

You asked if ACS is matching contributions in 2000 and beyond. I am happy to report that ACS will be matching contributions. The Challenge 2000 program was extended by the Board of Directors until the full \$5 million earmarked for matching contributions is used. The rationale for this decision was that there was significant evidence to indicate that the matching funds provide incentive for donors. To date, nearly \$3 million in contributions has been matched, so just over \$2 million remains as matching funds. When the final dollar is committed, the program will end.

Our recommended longest pledge period is 5 years or so, but we are willing to make and have made exceptions. In the Project SEED Scholarships, ACS recently committed matching funds over a ten-year period to a long-term pledge by Glenn and Barbara Ullyot. This is the longest pledge yet received in Challenge 2000.

I need to apologize for any misunderstanding our reports may create. PRF annually supports stipends, not scholarships, but the report did not differentiate. Bayer gave to the Project SEED Endowment and the interest income supports three scholarships each year. In addition, the endowment supports two more annual scholarships. There are two more that could be awarded, but they are designated by the donor for use at specific schools.

The 1999 scholarships were supported as follows: 20 as Alfred and Isabel Bader Scholars; 2 as Glenn and Barbara Ullyot Scholars; 3 as Bayer Scholars (supported by SEED Endowment); and 2 unnamed (supported by SEED Endowment).

Our only guarantee at this time is seven scholarships for the 2000-2001 school year. We continue to seek contributions for the scholarships by circulating proposals and encouraging support. Our most recent accomplishment was the Ullyots committing support for ten years.

Again, sorry for the delay. If you have more questions, please do not hesitate to ask.

Sincerely,

A handwritten signature in cursive script that reads "Sylvia A. Ware".





Dr. Alfred Bader
924 East Juneau, Suite 622
Milwaukee, Wisconsin 53202
Phone: 414/277-0730
Fax: 414/277-0709
E-mail: baderfa@execpc.com

A Chemist Helping Chemists

May 29, 2000

Ms. Sylvia A. Ware, Director
Education Division
American Chemical Society
1155 Sixteenth Street, NW
Washington, D.C. 20036

Dear Ms. Ware,

Naturally Isabel and I have thought very carefully about your detailed letter of January 12th relating to the SEED scholarships and ACS matching.

I do not think that at my stage, age 76, I should commit for years ahead, even though that may mean that in time ACS matching may not be available.

However, we would like to give \$50,000 again this year, to be matched by the ACS, resulting in 20 scholarships of \$5,000 each.

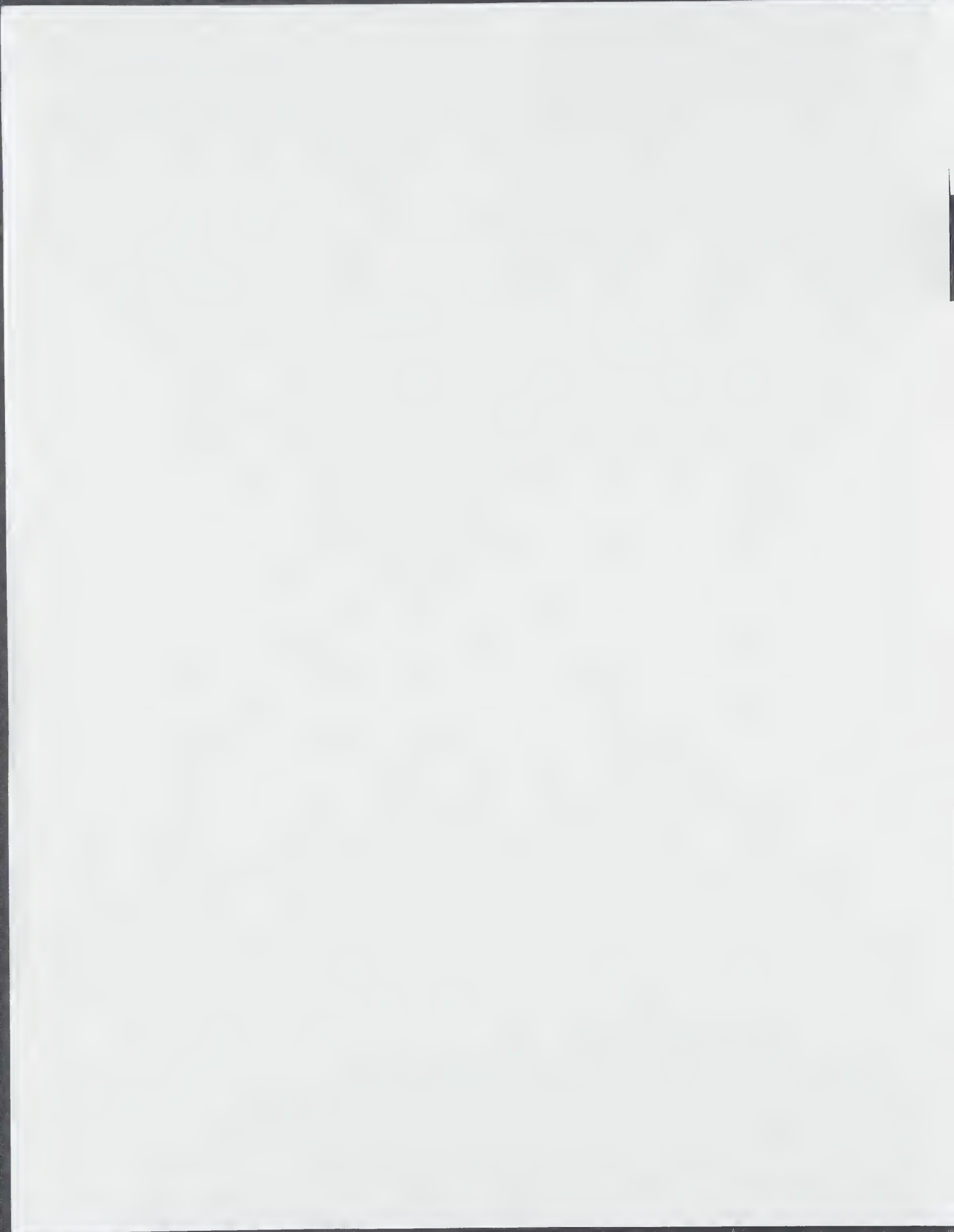
We are just leaving for a trip to England from which we will return on July 28th.

Please do let me know when my check should be sent.

With best personal regards I remain

Yours sincerely,

Alfred Bader
AB/az





MICHAEL SHEA
MANAGER

202 872.6022 voice
800 227 5558 x6022
202 776 8211 fax
m_shea@acs.org

AMERICAN CHEMICAL SOCIETY
OFFICE OF AWARDS AND DIVISION PROGRAMS
1155 16TH ST NW
WASHINGTON DC 20036 4800

April 17, 2001

Dear Alfred,

Thank you for taking the time out of your busy schedule to attend the 2001 ACS Awards Ceremony. Your continued support of the ACS Awards Program is appreciated. Thanks to your presence Peter Schultz had a very special evening. As we move into the future, I hope to continue and strengthen the ties between the ACS Awards Program and you.

Please let me know if you have any suggestions for improving the experience.

Michael



Thank You



Dr. Alfred Bader
924 East Juneau, Suite 622
Milwaukee, Wisconsin 53202
Phone: 414/277-0730
Fax: 414/277-0709
E-mail: baderfa@execpc.com

A Chemist Helping Chemists

May 23, 2003

Dr. Sylvia A. Ware, Director
Education Division
American Chemical Society
1155 Sixteenth Street, NW
Washington, D.C. 20036

Dear Dr. Ware,

As you perhaps know, Isabel and I travel a good deal and are just about to leave on a two month trip to England and the continent from which we will return on July 25th.

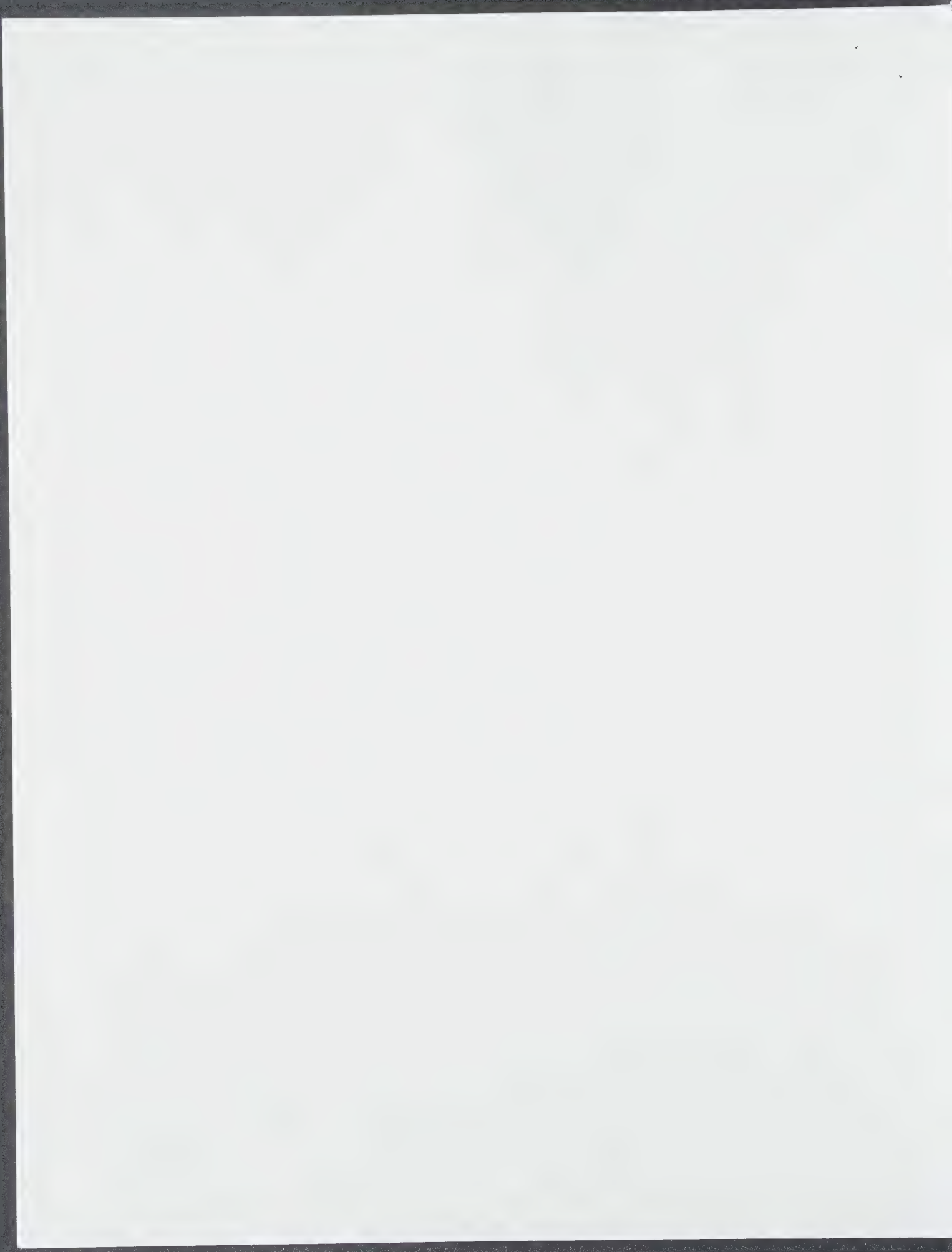
In September I have been invited to give the Ulliot lecture at the Chemical Heritage Foundation on September 18th and two other lectures in Philadelphia.

Hence, we have reluctantly decided not to come to this year's ACS meeting. As you can imagine, New York is not one of our favorite cities, though we would love to be at the Project SEED meeting.

With all good wishes I remain

Yours sincerely,

Alfred Bader
AB/az
Enc.





American Chemical Society

EDUCATION AND INTERNATIONAL ACTIVITIES DIVISION

Sylvia A. Ware, *Director*

1155 SIXTEENTH STREET, NW

WASHINGTON, D.C. 20036

Phone: (202) 872-4388

Fax (202) 872-8068

e-mail: s_ware@acs.org

April 25, 2003

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

Dear Dr. Bader:

I am relieved to hear that you have at last received your back issues of C&EN. We too were delighted with the performance of the 20 Bader scholars.

I thought you might be interested to learn more about the festivities in New York to recognize the 35th anniversary of Project SEED. SEED will host a Presidential Symposium and a panel discussion on the afternoon of Tuesday, September 9. The symposium, entitled "Project SEED: 35 Years of Success, Investing in the Future," will focus on the highlights of the program, featuring long-term mentors, coordinators, SEED graduate students, and current students.

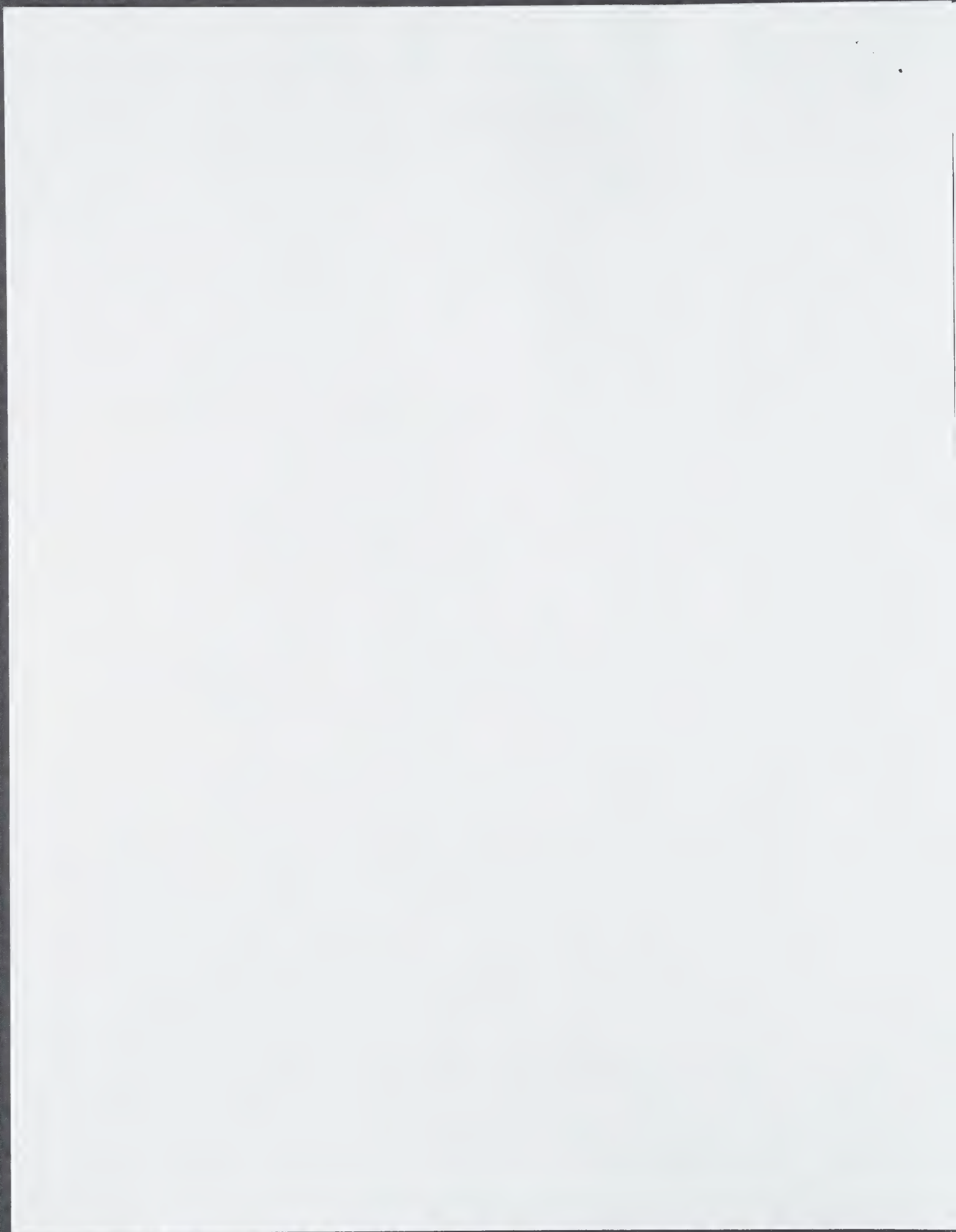
The symposium will be followed by a small reception to recognize present long-term mentors and coordinators, and a poster presentation of current SEED students research projects. We hope that both you and Mrs. Bader will be present at both events, since we would like to publicly recognize your many years of support for the program. Hopefully, we can also persuade you to make a few remarks at the reception?

My very best wishes,

A handwritten signature in cursive script that reads "Sylvia Ware".

Sylvia Ware

cc: Cecilia Hernandez





American Chemical Society

Membership Division
Department of Awards and Division Programs

1155 SIXTEENTH STREET, N.W.
WASHINGTON, D.C. 20036-4800
Phone 202.872.4408
Fax 202.776.8211
m_jones@acs.org

August 13, 2001

Dr. Alfred Bader
2961 N. Shepard Avenue
Milwaukee, WI 53211-3435

Dear Dr. Bader:

The 2002 recipient of the Alfred Bader Award in Bioinorganic or Bioorganic Chemistry sponsored by Alfred Bader is Professor Ronald Breslow. A copy of the nominating document is enclosed for your use in promotional materials and company literature.

An announcement of the selection of 2002 award recipients will appear in the August 27, 2001 issue of *Chemical & Engineering News*. Vignettes portraying the scientific contributions of the 2002 recipients and acknowledging your sponsorship will be published in *Chemical & Engineering News* beginning in early January 2002.

The award presentation will occur at the **Awards Ceremony on Tuesday, April 9, 2002 at the 223rd ACS National Meeting in Orlando, FL**. Please mark your calendar now; a representative of your organization will need to make the award certificate presentation to Professor Breslow. You will receive more details of the awards ceremony by January 2002.

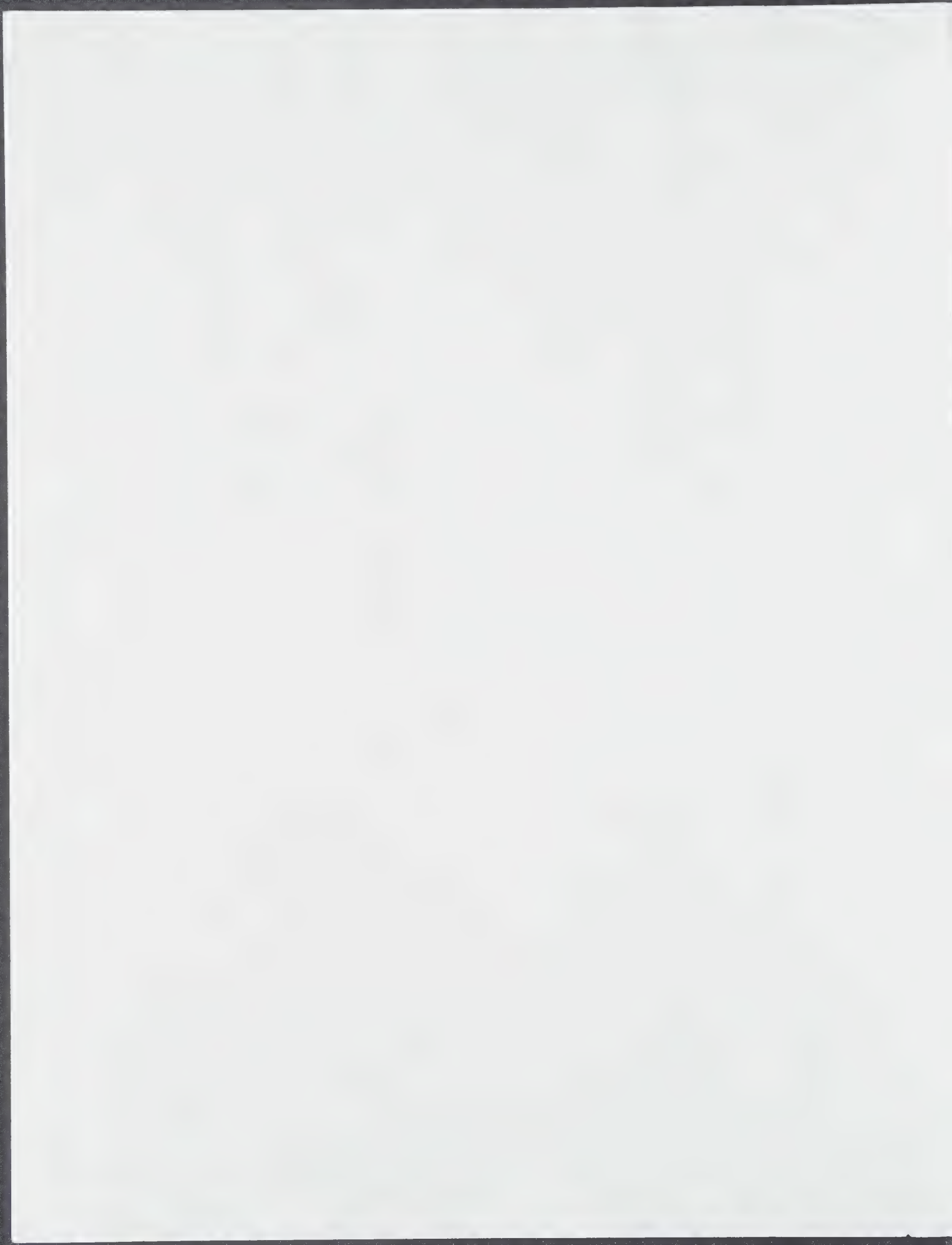
The Society appreciates your support of the National ACS Awards. If you have any questions, please feel free to contact me at m_jones@acs.org or 202.872.4408.

Sincerely,

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

Marvin Jones
Awards Associate

Enclosure



2002 **ORIGINAL**

Alfred Bader Award in Bioinorganic or
Bioorganic Chemistry

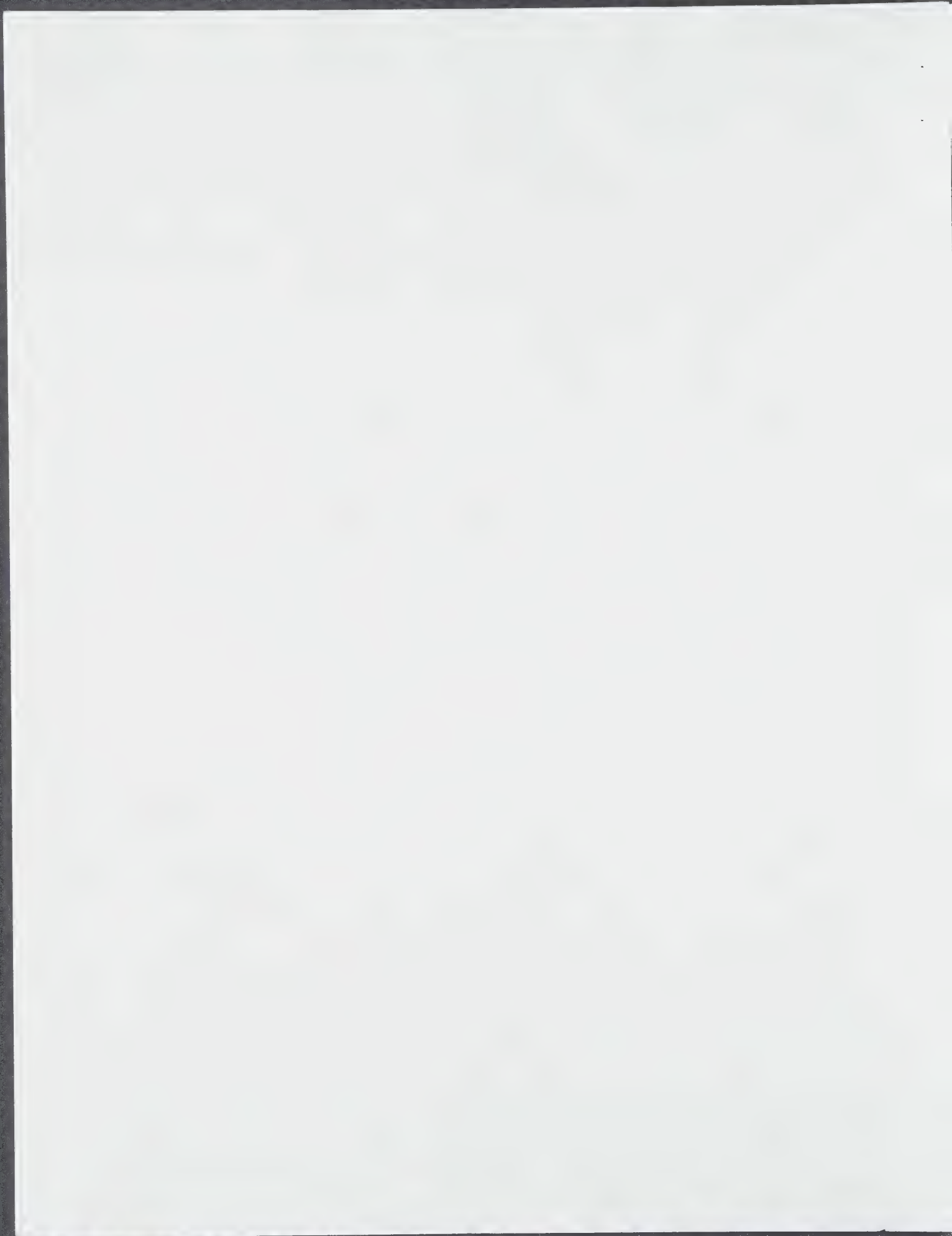
sponsored by
Alfred Bader

2002 Nominee: Ronald Breslow

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American Chemical Society
Awards Office O-218
1155 Sixteenth Street, NW
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COLUMBIA UNIVERSITY

IN THE CITY OF NEW YORK

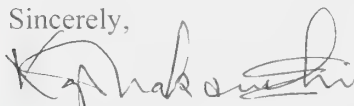
DEPARTMENT OF CHEMISTRY

January 9, 2001

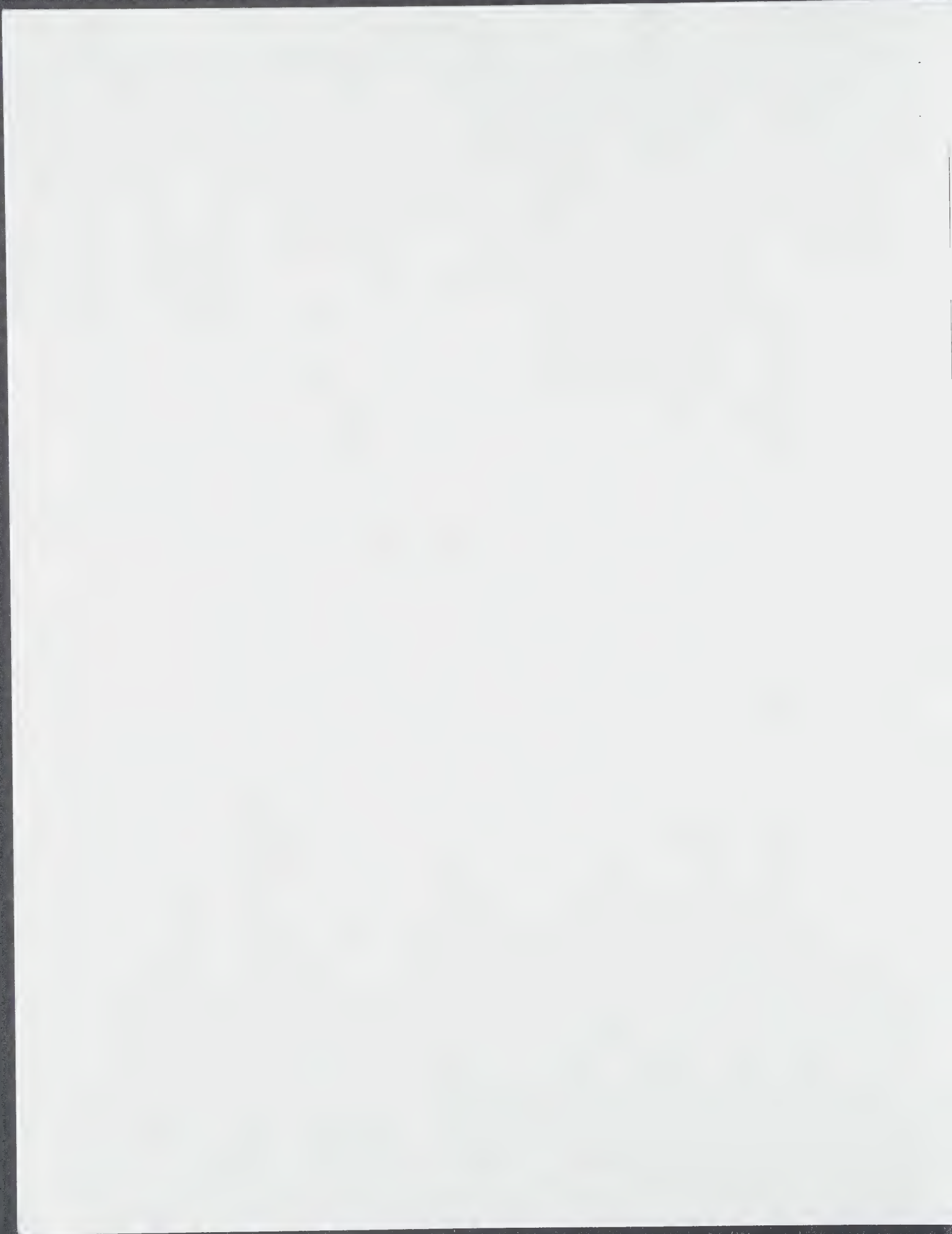
To whom it may concern:

This is a short note to notify you that I would like to re-nominate Ronald Breslow for the Alfred Bader Award in Bio-inorganic or Bio-organic Chemistry sponsored by Alfred Bader. I am enclosing his updated C.V.

Sincerely,



Koji Nakanishi
Centennial Professor of Chemistry



CALIFORNIA INSTITUTE OF TECHNOLOGY

Pasadena, California 91125

Harry B. Gray, Director
BECKMAN INSTITUTE
and
Arnold O. Beckman Professor of Chemistry
Division of Chemistry and Chemical Engineering

Phone: 818-395-6500
395-2795
Fax: 818-449-4159
e-mail: hgcm@cco.caltech.edu
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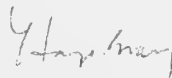
January 28, 1997

Awards Committee
American Chemical Society
1155 Sixteenth St., N. W.
Washington, DC 20036

Re: Ronald Breslow

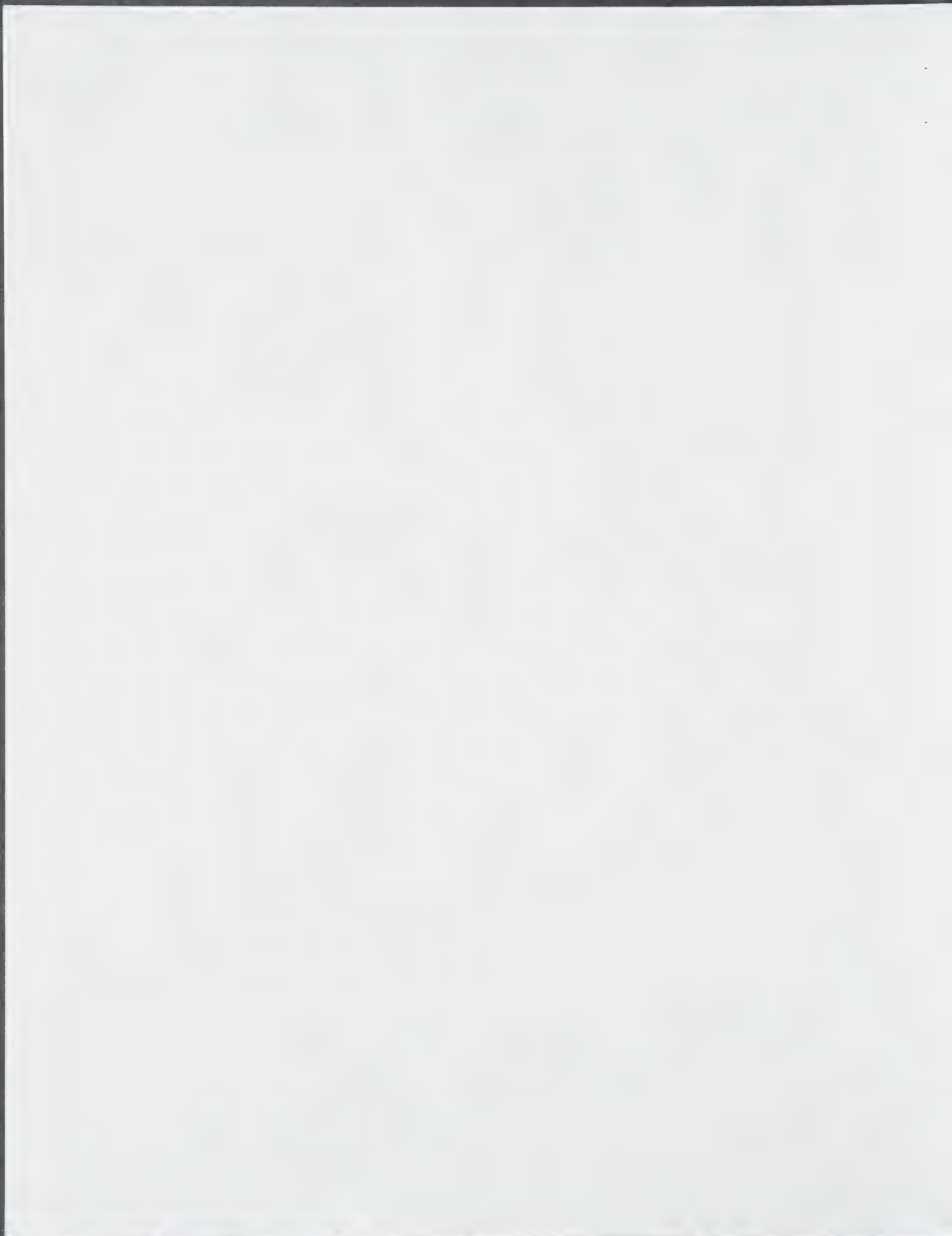
I am writing to second the nomination of Ronald Breslow for the Bader Award. Professor Breslow is not only one of the leaders, but may be considered one of the founders of the field of bioorganic chemistry. He has made major contributions in a number of widely ranging areas of biomimetic chemistry, particularly in his groundbreaking studies of enzyme mechanisms and of molecular recognition. He eminently deserves this award, and I strongly endorse his candidacy.

Sincerely,



Harry B. Gray

HBG:cem



RONALD BRESLOW

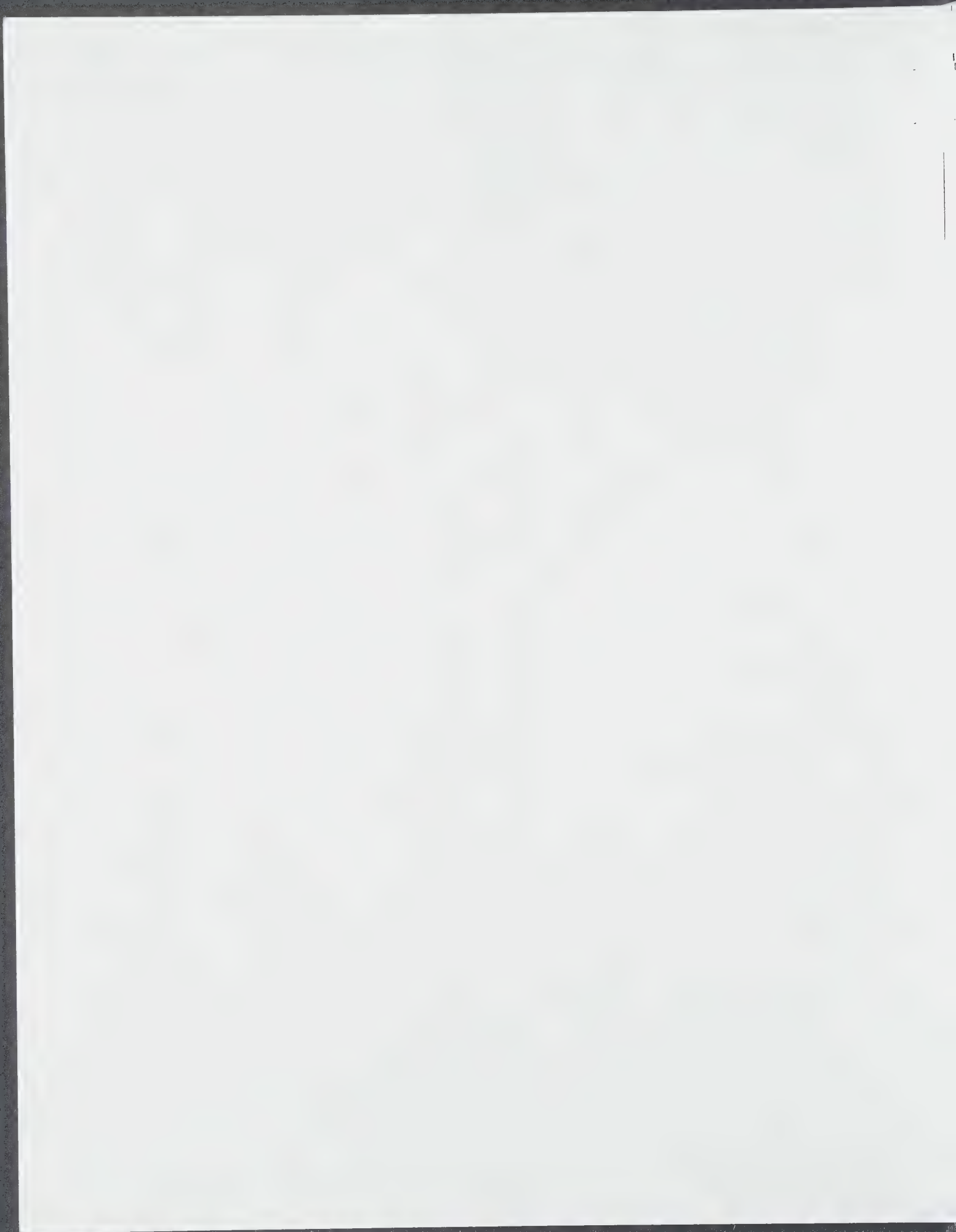
Ronald Breslow was born in Rahway, New Jersey on March 14, 1931. He received his undergraduate and graduate training at Harvard University, where he received a master's degree in Medical Science and a Ph.D. in Chemistry. He did his Ph.D. research with Professor R.B. Woodward. He then spent a year in Cambridge, England as a postdoctoral fellow with Lord Todd, and came to Columbia University in 1956 as Instructor in Chemistry. He is now the Samuel Latham Mitchill Professor of Chemistry at Columbia and one of 7 University Professors, and a former Chairman of the Department.

Professor Breslow's research interests can be described generally as involving the design and synthesis of new molecules with interesting properties, and the study of these properties. Examples include the cyclopropenyl cation, the simplest aromatic system and the first aromatic compound prepared with other than six electrons in a ring. His work establishing the phenomenon of antiaromaticity has also involved the synthesis of novel molecules, as well as their study. Even in work on purely mechanistic questions, such as his discovery of the chemical mechanism used by thiamine (vitamin B-1) in biochemical reactions, the synthesis and study of novel molecules played an important role. Although he continues his interest in unusual conjugated systems, his major emphasis in recent years has been on the synthesis and study of molecules that imitate enzymatic reactions. This work has included the development of remote functionalization reactions and the development of artificial enzymes. Recently he has also developed a new group of cytodifferentiating agents with potential use in cancer chemotherapy. He is the author of over 380 publications.

Professor Breslow is a member of the U.S. National Academy of Sciences (elected in 1966 at age 35, Chairman of the Chemistry Division 1974-77), of the American Academy of Arts and Sciences, and of the American Philosophical Society (member of the Council, 1987-92) as well as other scientific societies, and is an honorary foreign member of the Indian National Academy of Sciences, of the Korean Chemical Society, of the Royal Society of Chemistry and of the Royal Society of London, both of Great Britain. He has been the Chairman of the Board of Scientific Advisors of the Alfred P. Sloan Foundation, and a member of the Board of Trustees of Rockefeller University. He is on the Editorial Board of a number of scientific journals, and has held over 150 named lectureships and visiting Professorships.

His major scientific awards include the American Chemical Society Award in Pure Chemistry (1966), the Fresenius Award of Phi Lambda Upsilon (1966), the Baekeland Medal (1969), the Centenary Medal (1972), the Harrison Howe Award (1974), the Remsen Prize (1977), the Roussel Prize in Steroids (1978), the James Flack Norris Prize in Physical Organic Chemistry of the American Chemical Society (1980), the Richards Medal (1984), the Arthur C. Cope Award (1987), the Kenner Award (1988), the Nichols Medal (1989), the National Academy of Sciences Award in Chemistry (1989), the Allan Day Award (1990), the Paracelsus Award and Medal of the Swiss Chemical Society (1990), and the U. S. National Medal of Science (1991).

He has also received the Mark Van Doren Medal of Columbia University and the Columbia University Great Teacher Award. He was President-Elect of the American Chemical Society (1995) and President (1996). He was recently named "One of the Top 75 Contributors to the Chemical Enterprise in the Past 75 Years" by a Chemical and Engineering News poll (1997) and received the Priestley Medal of the American Chemical Society, its highest honor (1999). In 2000 he received the New York City Mayor's Award in Science.



Curriculum Vitae of Ronald Breslow.

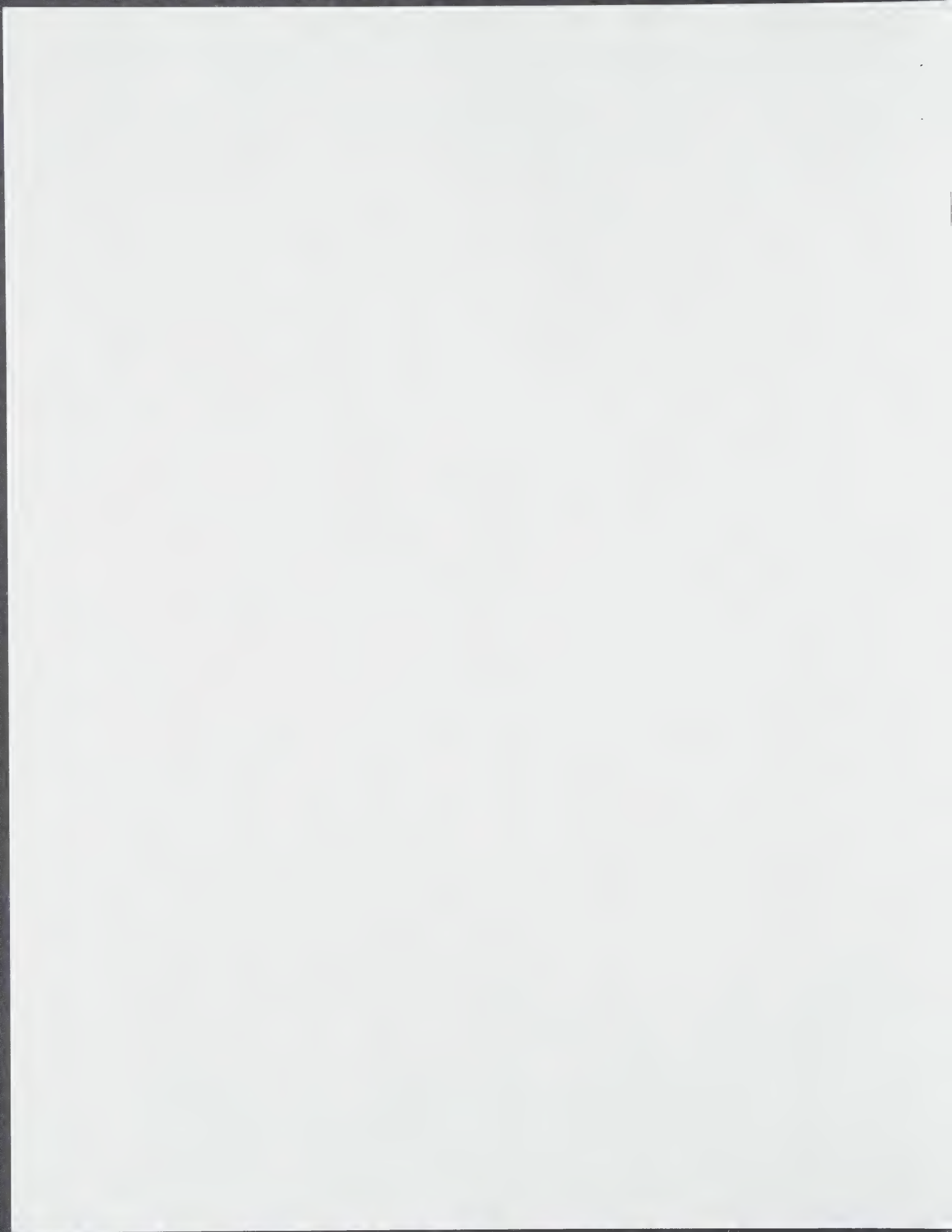
Dr. Breslow was born in Rahway, New Jersey on March 14, 1931. He received the A.B. summa cum laude in Chemistry at Harvard University in 1952, the A.M. in Medical Science at Harvard in 1953 (awarded in 1954), and the Ph.D. in Organic chemistry at Harvard in 1955 (awarded in 1956). His doctoral thesis on the structure of Magnamycin was directed by Prof. R.B. Woodward. Dr. Breslow spent 1955-56 at Cambridge University, England, as a National Research Council Fellow with Sir Alexander Todd. In 1956 he joined the faculty of Columbia University as Instructor in Chemistry, and was promoted to Associate Professor of Chemistry (1959), Professor of Chemistry (1962), S. L. Mitchill Professor of Chemistry (1967), and one of 7 University Professors (1992). He is married and has two children.

Awards

American Chemical Society Award in Pure Chemistry, 1966
Fresenius Award of Phi Lambda Upsilon, 1966
Mark Van Doren Medal of Columbia University, 1969
Baekeland Medal awarded by the North Jersey Section of the American Chemical Society, 1969
Centenary Medal, British Chemical Society, 1972
Harrison Howe Award of the Rochester Section of the American Chemical Society, 1974
Remsen Award, Maryland Section of the American Chemical Society, 1977
Roussel Prize in Steroids, 1978
James Flack Norris Prize in Physical Organic Chemistry, American Chemical Society, 1980
Great Teacher Award, Columbia Alumni Association, 1981
Theodore William Richards Medal for Conspicuous Achievement in Chemistry, Northeastern Section of the American Chemical Society, 1984
Arthur C. Cope Award, American Chemical Society, 1987.
George Kenner Prize, University of Liverpool, Liverpool, England, 1988
Nichols Medal, New York Section of the American Chemical Society, 1989
Award in Chemical Sciences, U. S. National Academy of Sciences, 1989
Paracelsus Medal, Swiss Chemical Society, 1990
Allan R. Day Award, Philadelphia Organic Chemists Club, 1990
U. S. National Medal of Science, 1991

Honors

Junior Eight and Elected First Marshall, Phi Beta Kappa, Harvard College 1951
NSF Predoctoral Fellow, 1953-55
National Research Council Postdoctoral Fellow, 1955-56
Sloan Fellow, 1961-63
Elected to the National Academy of Sciences, 1966



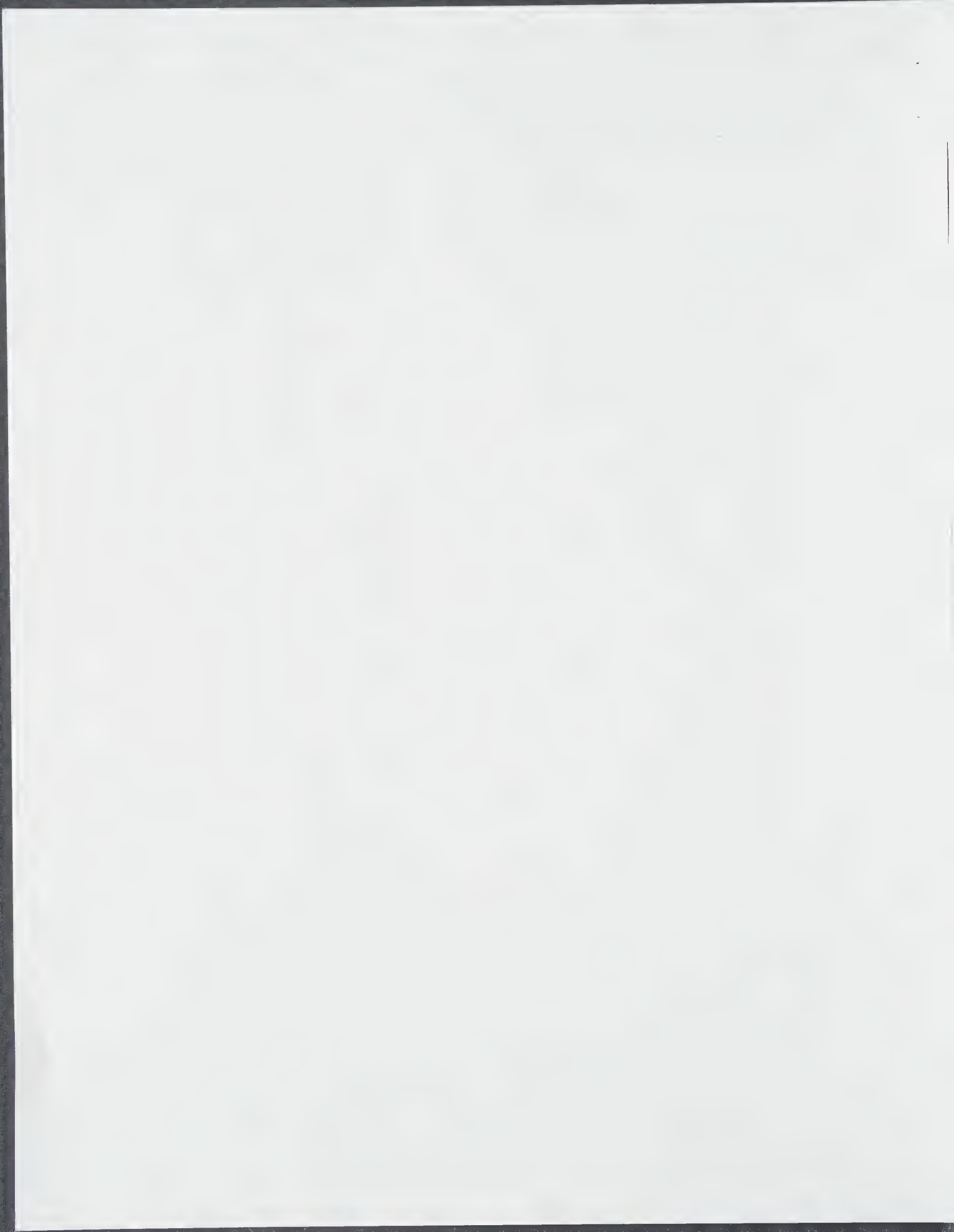
Elected to the American Academy of Arts and Sciences, 1967
Elected to the American Philosophical Society, 1980.
Elected Fellow AAAS, 1986
Elected Foreign Fellow Indian National Science Academy, 1991
Elected Fellow New York Academy of Science, 1993
Elected Honorary Member Korean Chemical Society, 1996
Elected Honorary Member Royal Society of Chemistry (Britain), 1996
Named One of Top 75 Chemists in the past 75 years by Chemical and Engineering News poll, 1997

Editorships

Member, Board of Editors, Organic Syntheses, 1965-72
Member, Board of Editors Journal of Organic Chemistry, 1968-73
Member, Board of Editors, Bioorganic Chemistry, 1971-present
Member, Editorial Boards, Tetrahedron and Tetrahedron Letters, 1977-present
Member, Advisory Board, Chemical and Engineering News, 1980-1983
Member, Editorial Board, Proceedings of the National Academy of Sciences, USA, 1984 - 1990
Member, Editorial Board, Journal of Molecular Catalysis, 1986-present
Member, Advisory Board, Advances in Physical Organic Chemistry, 1988-present
Member, Editorial Board, Heteroatom Chemistry, 1989-present
Member, Editorial Board, Tetrahedron Computer Methodology, 1989-present
Member, Editorial Board, Tetrahedron:Asymmetry, 1989-present
Member, Editorial Board, Bioorganic Chemistry Frontiers, 1989-present
Member, Editorial Board, Bio-Organic and Medicinal Chemistry Letters, 1990-present
Member, Editorial Board, Bio-Organic and Medicinal Chemistry, 1992-present
Member, Editorial Board, Supramolecular Chemistry, 1992-present
Guest Editor, Israel Journal of Chemistry, 1992
Member, Editorial Board, Current Organic Chemistry, 1997-

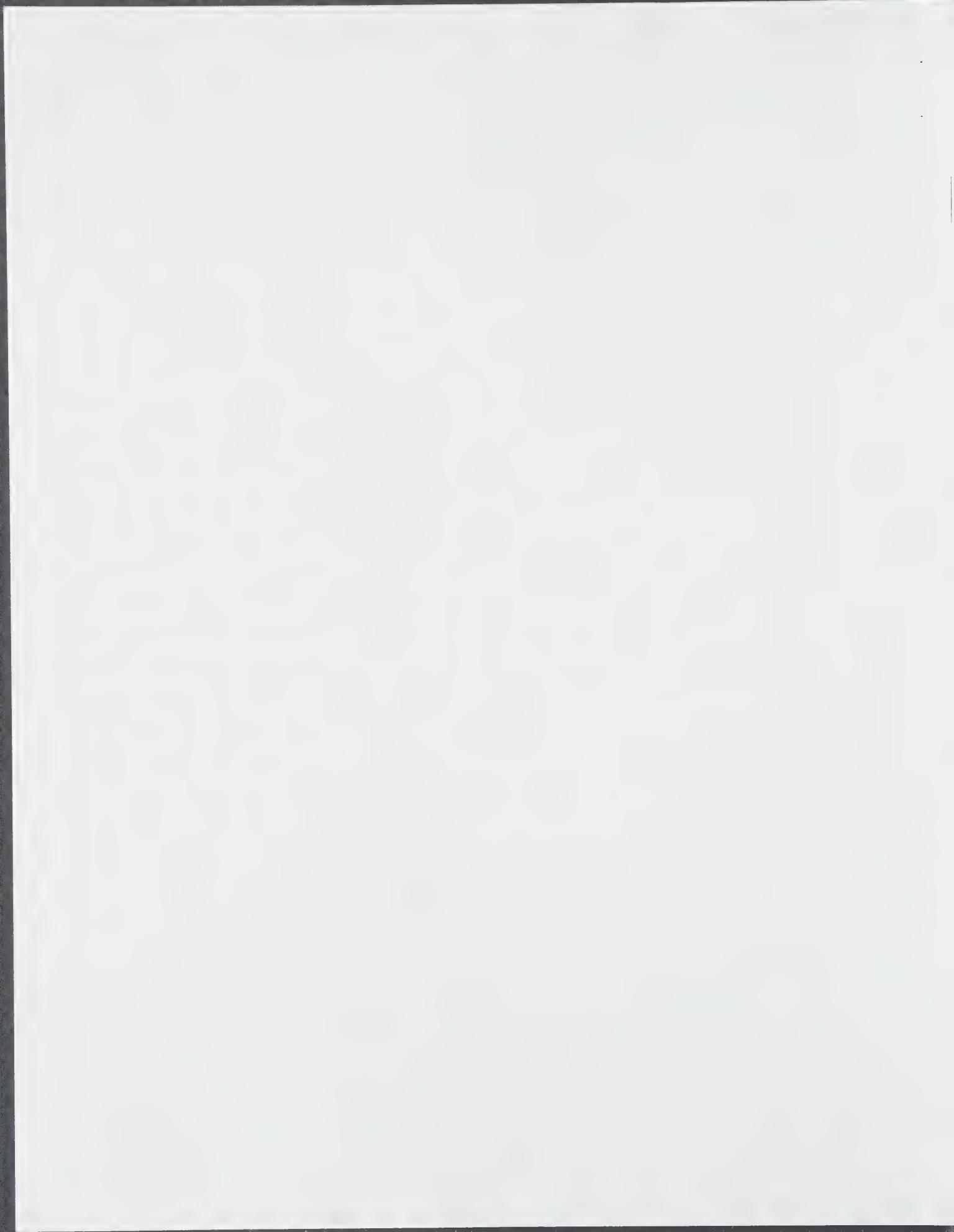
Offices

Elected to the Executive Committee of the Organic Division of the American Chemical Society, 1966
Elected Chairman of the Organic Division of the American Chemical Society, 1970
Member, Visiting Committee, California Institute of Technology Chemistry Department, 1974-75
Elected Chairman of the Division of Chemistry of the National Academy of Sciences, 1974-77
Elected Chairman of the Department of Chemistry of Columbia University, 1976-79
Member, U.S. Delegation IUPAC Congress, Warsaw, 1977



Chairman, Third International Symposium on Novel Aromatic Compounds,
San Francisco, 1977
Member, Visiting Committee, Massachusetts Institute of Technology
Chemistry Department, 1977-80
Member, Visiting Committee, Yale Chemistry Department, 1978
Member, Visiting Committee, Princeton University Chemistry Department, 1978
Member, Scientific Committee, International Symposium on Physical
Organic Chemistry, Liverpool, England, 1978
Member, U.S. State Department Chemistry Delegation to visit China, 1978
Member of the Board of Scientific Advisors of the Alfred P. Sloan Foundation,
1978-1985: Chairman, 1981-1985
Member, Board of Trustees, Rockefeller University, 1981-present
Member, National Academy of Sciences Committee to Consider University-
Government Relationships in the Support of Science, 1981-83
Member, Scientific Advisory Committee, General Motors 1982-1989
Chairman, First International Symposium on Bioorganic Chemistry sponsored by
IUPAC and the New York Academy of Sciences, New York, 1985.
Chairman Elect, Chemistry Section of the AAAS, 1987-88.
Elected to the Council, American Philosophical Society, 1987-90
Chairman, Chemistry Section of the AAAS, 1988-89
Member, Visiting Committee, Rutgers University Chemistry, 1989
Member, Committee to Evaluate NIH Programs, National Institute of
Medicine, 1989-90
Chairman, Visiting Committee, University of Pennsylvania Chemistry
Department, 1989
Chairman, Selection Committee for the 1990 NAS Award in Chemical
Sciences, 1989
Member, Visiting Committee, Carnegie-Mellon Chemistry Department, 1991
Member, President's Council, New York Academy of Sciences, 1991
Member, Organizing Committee and Chairman, Scientific Program Committee,
Fourth Chemical Congress of North America, 1991
Member, Board of Governors, New York Academy of Sciences, 1992-96
Member, American Chemical Society Committee on Chemistry and Public Affairs,
1991-present
Chairman, ACS-CCPA Task Force on Chemistry and the National Institutes of
Health, 1993-present
Member, ACS Committee to Select Cope Award Winners, 1993-1996
Participant, White House Forum on Science in the National Interest, 1994
President Elect, American Chemical Society, 1995
Chairman, Visiting Committee, Stanford University Chemistry Department, 1996
President, American Chemical Society, 1996
Immediate Past President and Board Member, American Chemical Society, 1997
Member, Visiting Committee, Department of Biochemistry, Albert Einstein School
of Medicine, 1997

Dr. Breslow has held over 150 honorary lectureships and visiting
professor positions.



Alfred Bader Award in Bioorganic Chemistry; Nomination of Ronald Breslow

Koji Nakanishi, January 21, 1997

Professor Ronald Breslow has been a leading figure in bioorganic chemistry, worldwide, from an early stage of his distinguished career, both as a scholar and as a spokesman for this field. He is widely recognized as a most brilliant scientist who is capable of discussing and asking most pertinent questions in any area in chemistry. His bioorganic chemistry is characterized by a strong background in physical chemistry, kinetics, and biochemistry, and his ability to quickly understand and come to the core of a problem. Commonly used terms such as "biomimetic" and "remote functionalization" originate from Breslow. His impact in mechanistic bioorganic chemistry has been seminal; he has also trained many colleagues who hold influential positions in both academe and industry. He fully deserves to be awarded the above-mentioned prize.

His research can be divided into two broad categories—bioorganic chemistry and physical organic chemistry. The following description is centered on bioorganic chemistry.

Bioorganic chemistry

Artificial Enzymes.

These combine a binding group with one or more catalytic groups, usually catalytic groups also found in real enzymes. His early works used metal binding, but attention soon switched to cyclodextrins for hydrophobic binding [1, 2]. The first compound referred to in the literature as an "artificial enzyme" [3] used cyclodextrin binding and a metal ion catalyst. The cyclodextrin ring has also been modified to alter its binding properties [4,5].

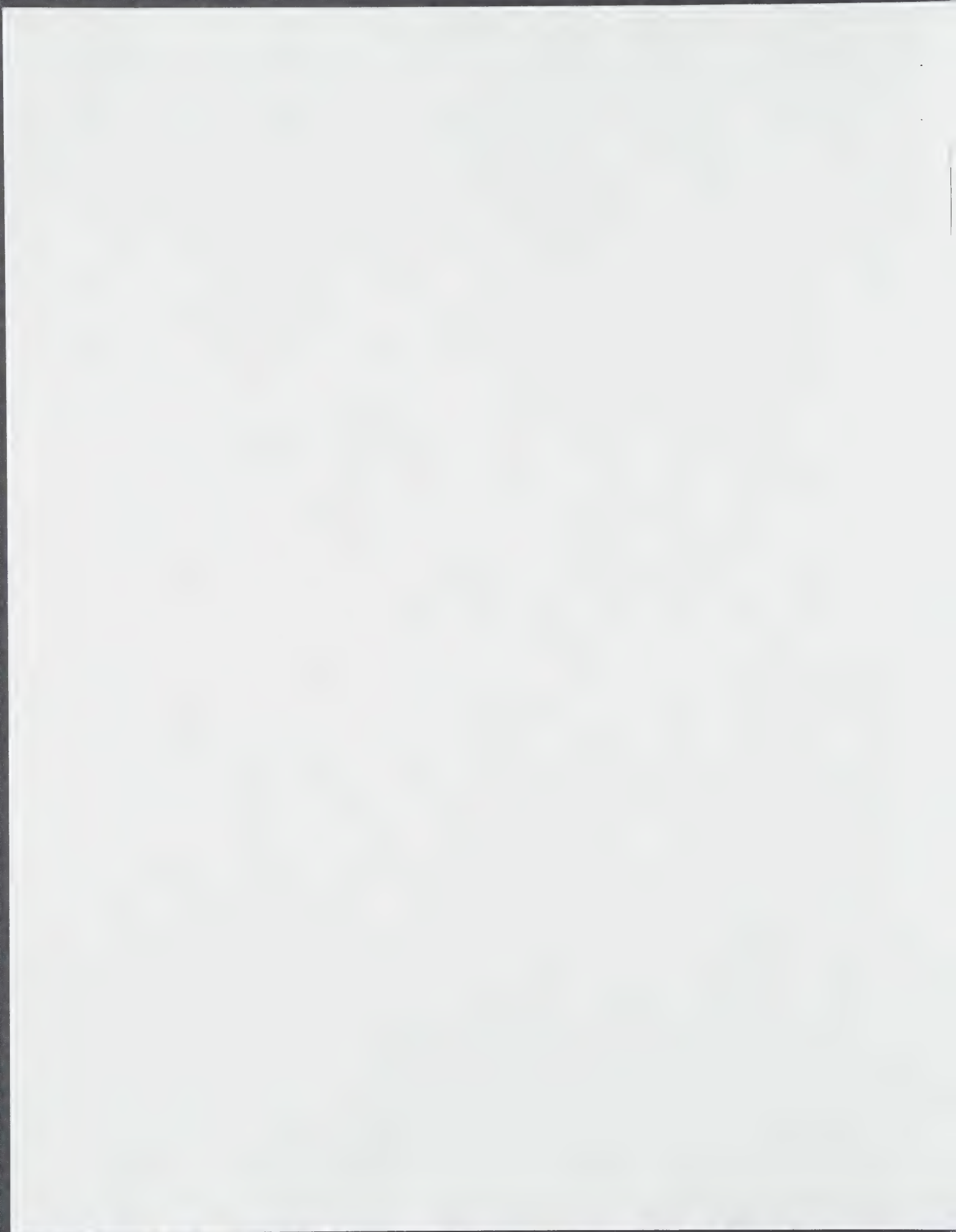
One of the best artificial enzymes was made by linking two imidazoles to cyclodextrin, imitating the acid-base catalysis in enzymes such as ribonuclease A. This artificial enzyme catalyzes the selective hydrolysis of a bound phosphate substrate [6-12] and selective enolization and aldol condensations [13-15]. The mechanism of phosphate hydrolysis was shown [9] to involve a simultaneous bifunctional transfer of two protons, as in real enzymes, and with initial formation of a phosphorane. The pH vs. rate profile and isotope effects are similar to those found for the enzyme ribonuclease A, suggesting a similarity in mechanism.

Another class of artificial enzymes combines cyclodextrin or another hydrophobic group with pyridoxamine or pyridoxal, sometimes with another catalytic group, to promote selective transamination and related reactions [16-27]. These artificial enzymes show very high selectivity for appropriate substrates, and good selectivity in forming optically active amino acids. An artificial enzyme was also constructed that mimics the enzymatic role of thiamine pyrophosphate [28, 29].

Dimers of cyclodextrin were shown to be very strong binders of appropriate substrates, imitating the multifunctional binding characteristic of antibodies and enzymes [30-34]. One such dimer is a very strong binder of cholesterol [35], and is quite selective relative to other steroids. Some of the largest catalyses observed, rate increases up to a billion-fold, involved such dimers carrying catalytic groups in the linkers [36,37]

Bender had shown a modest rate effect on transacylation, of a few hundred fold, from binding a substrate into a cyclodextrin cavity. Breslow realized that the systems were far from ideal, since the transition state was more poorly bound than the substrate. He designed substrates that could take full advantage of the binding into cyclodextrin, and found [38-43] that with an appropriate substrate the rate acceleration was 5,900,000-fold and a 62-fold enantiomeric selectivity occurred. These results made it clear that small molecules could achieve enzyme-like rates if they were correctly designed. Based on Breslow's work, Bender had also reported a "chymotrypsin mimic" that incorporated the enzyme functional groups, but re-examination of this mimic showed that the imidazole group was not involved [45].

One of the most challenging problems in biochemistry is to understand, and imitate, the remarkable reactions for which coenzyme B-12 plays a catalytic role. Breslow was actually the first to suggest that this process involves a free radical hydrogen abstraction by the adenosyl radical, and he prepared a number of mimics of the proposed mechanism, with and without an



additional binding group to imitate the enzyme role [46,47]. This area of his work has been reviewed in a number of publications [48-52].

Biomimetic functionalization.

Closely related to the above area is a field invented by the author in which the geometric constraints typical of enzymatic reactions are used to promote selective reactions otherwise not achievable. Much of this work started with chemistry directed at functionalizing steroids in unactivated positions. The word "biomimetic" was invented to describe such work [53], although it now is used with a wider meaning.

The first approach used photochemistry to functionalize C-H bonds [54,55] but this was soon replaced by template-directed chlorination using a radical relay mechanism invented for the purpose [56-71]. The result is that steroids can be selectively functionalized in particular positions far from any functional group. This work has stimulated much follow up in academe and industry. Related to this is work achieving selective epoxidation remote from any functional groups [72-74], again with geometric constraints typical of enzymatic reactions. The results are also called "remote oxidation" or "remote functionalization." Work in this area has been reviewed [75-77], and his approach has been taken up by other synthetic chemists.

Biochemical mechanisms.

Work on model systems and related biochemical systems has been used to clarify a number of biochemical mechanisms. The earliest was the work on thiamine models, which solved a mystery and showed that an unusual property of the thiazolium ring explained its critical catalytic ability [78-84]. The mechanism established is in every biochemistry textbook. Models for carboxypeptidase [85-88] and work on the enzyme itself [89-92] help lead to the current picture of its mechanism (along with work by others.) He invented the use of the sulfur vs. oxygen element effect on an enzyme reaction as a clue to mechanism [93].

A model system related to ribonuclease A involves catalysis of the cleavage of RNA by imidazole buffers, which imitate the imidazole rings of the enzyme. He established that such catalysis occurs [94] and showed the mechanism involved [96-98]. The last reference is the definitive one in this vigorously contested field.

Free radical cyclizations.

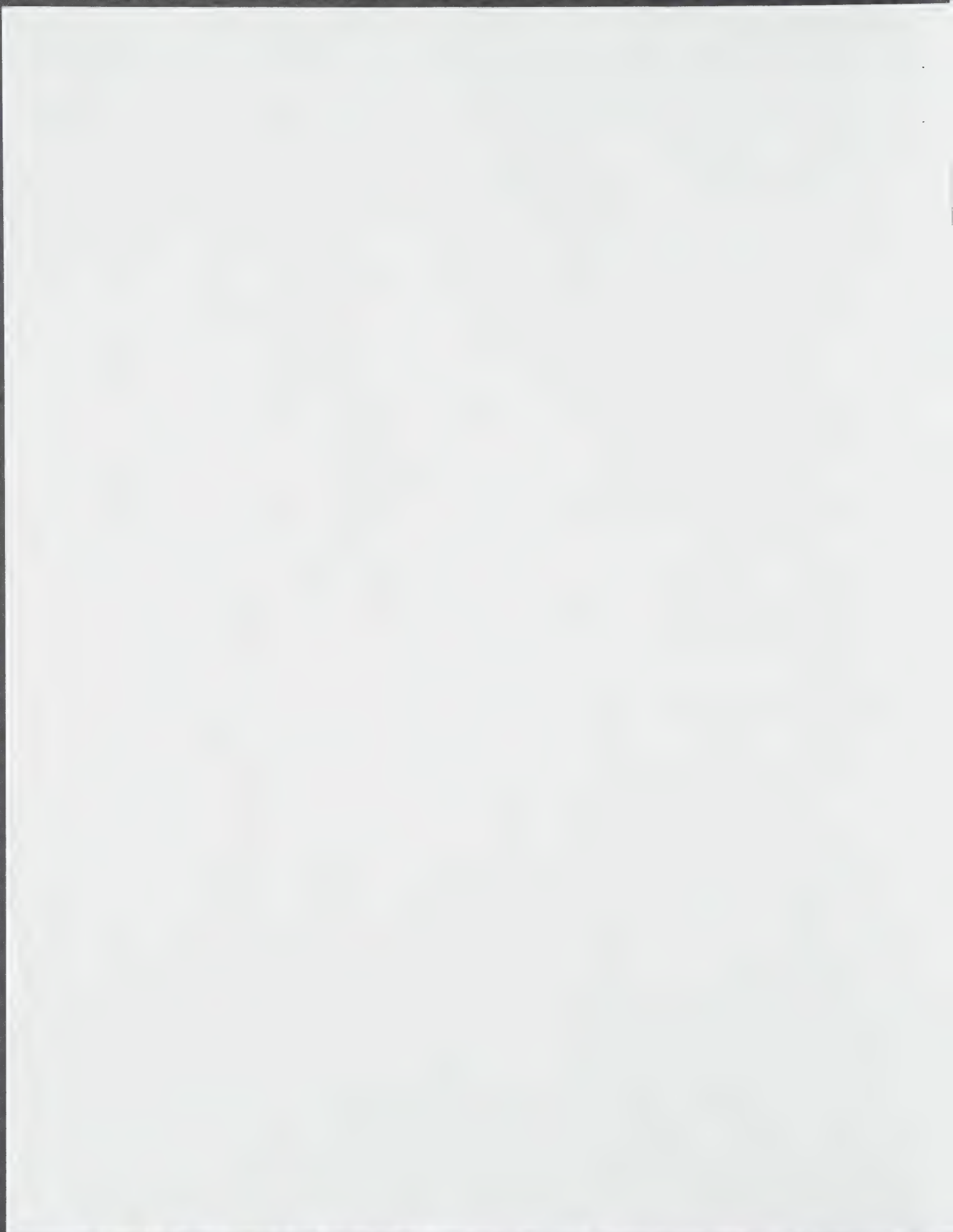
He considered the possibility that squalene cyclization to form terpenes and steroids might involve free radicals. To test this, he examined the free radical reactions of squalene and some other terpenes [99, 100]. While this does not seem to be relevant to the biochemical mechanism, his finding that he could achieve the formation of two rings by a free radical addition to farnesyl acetate was the first synthetic example of the use of free radical cyclizations in complex natural products, and stimulated other more recent work in this field.

Cancer chemotherapy.

For the last 20 years he has been pursuing an exciting lead, the early finding that some relatively simple compounds could act as cytodifferentiating agents. These compounds cause cancer cells to revert to normal behavior, and prevent pre-cancerous cells from being expressed as cancer. His concept was that the chelate effect could be used to increase the potency of the differentiating agents, so he made a series of compounds in which two drug species were linked. In collaboration with Paul Marks and Richard Rifkind, biologists at the Sloan Kettering Cancer Research Institute, he has produced very effective agents that show minimal toxicity and effectively differentiate essentially every cancer cell type examined [101-106]. Some human trials have been performed. This work has stimulated many others to link drugs together as dimers, often with quite useful results.

Hydrophobic and antihydrophobic effects.

In the course of his work with artificial enzymes, which often uses hydrophobic binding of substrates, he had the need to use what he labeled "antihydrophobic agents." Thus he considered



how the hydrophobic effect, so important in biology, might be used in synthetic chemistry. He showed for the first time that a simple organic reaction such as the Diels-Alder reaction or the benzoin condensation could be accelerated in water solution by the hydrophobic effect [107-109]. His evidence for this effect included the use of agents that increase and decrease the hydrophobic effect. The latter group, sometimes called denaturants or chaotropic agents, are what he calls "antihydrophobic agents", since their effect is more general than simply to act as denaturants, and chaotropic is also too specialized in its implications. He showed [111] that these agents are not water structure breakers, which is the common belief, but instead act as bridges between hydrophobic surfaces and water. This work has been reviewed [112, 113].

He then realized that the magnitude of the effect of antihydrophobic agents on reaction rates could be used to deduce the geometries of transition states. In a series of papers [114-117] he described the use of this novel tool. It gives sensible results in cases where one can predict what the transition states look like, and striking results in some other cases. It should become a generally useful tool in understanding reaction mechanisms.

A DNA isomer. He synthesized and examined the properties of an isomer of DNA in which the 3'-OH is replaced by a 2'-OH and the linkage is 2'-5'. One can make a case that this isomer could have been formed under primitive earth conditions, so it was important to understand its properties in order to appreciate what is special about natural DNA. His work [118-120] showed that this isomer could not have functioned as normal DNA does, for reasons he discovered. In more recent work [121] he has shown that his isomeric DNA binds to normal RNA with an affinity almost the same as that for normal DNA/RNA binding. Since his isomeric DNA is resistant to mammalian nucleases, it has interesting antisense potential.

Physical Organic Chemistry

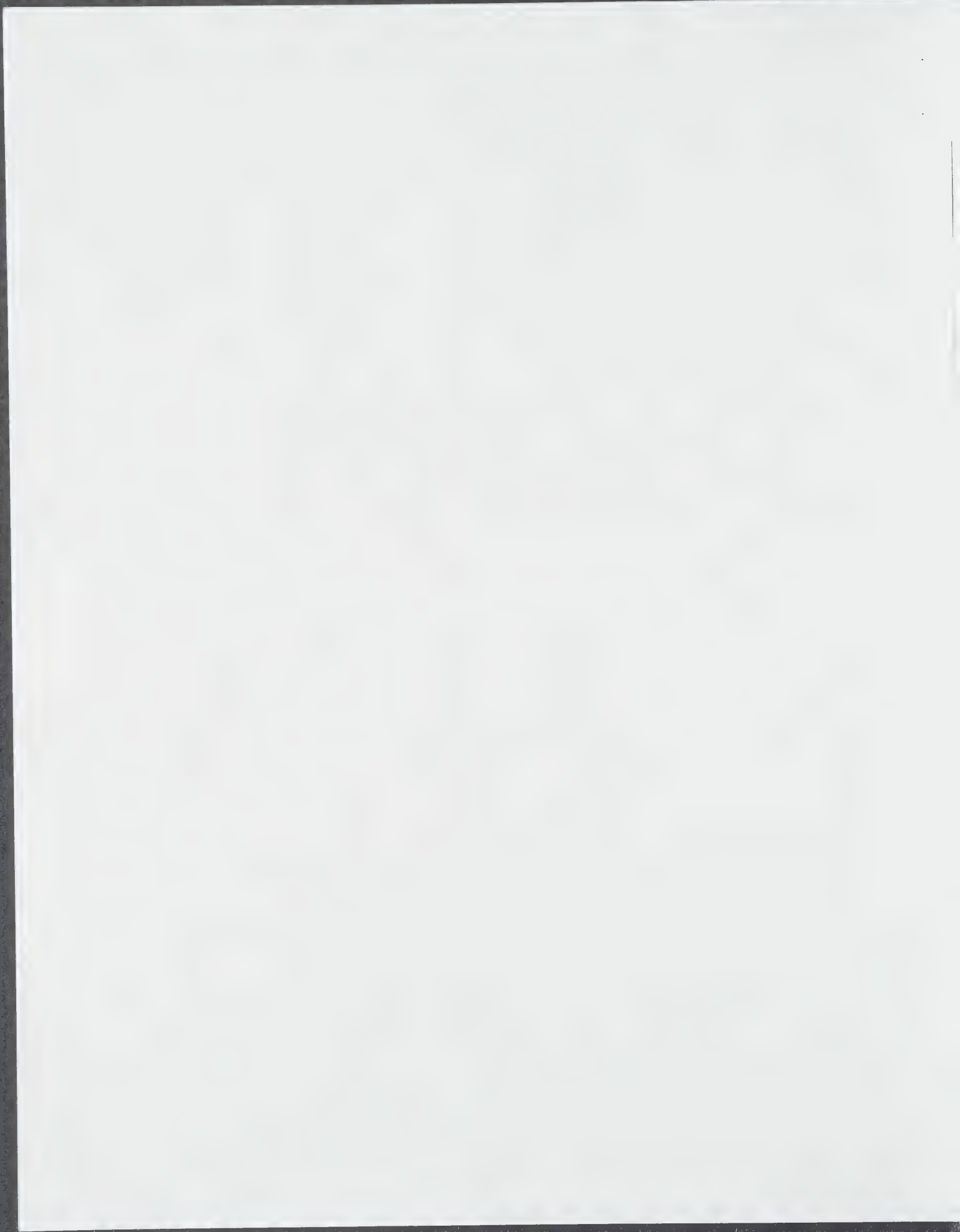
In this area he concentrated on non-benzenoid aromatic compounds, and also introduced the word and idea of "antiaromaticity." The two-pi-electron cyclopropenyl cation was the first aromatic system prepared that did not have six pi electrons in a ring. The work on cyclopropenyl anions, on cyclobutadiene systems, and on cyclopentadienyl cations established that these systems are less stable as the result of cyclic conjugation, and are thus what he called antiaromatic. The results and ideas have greatly influenced theory.

Cyclopropenyl cations. The early syntheses of the first known derivatives of this system, the simplest possible aromatic ring and the first one prepared with other than six pi electrons, were followed with the synthesis and characterization of the parent cation itself [122-124]. Related to this is the ketone cyclopropenone, stabilized in spite of great strain by its relationship to the cyclopropenyl cation. He made the first derivatives of this system, as well as the parent molecule [125-129].

Cyclopropenyl anions. He early showed that this anion is destabilized by its cyclic conjugation of four pi-electrons. The result did not agree with simple quantum theories at the time, but better calculations are in accord with his findings. The work has been reviewed [130-133].

Cyclopropene chemistry. In the course of this work he developed much of the chemistry of the cyclopropene system, which had been relatively unexplored [134-137].

Organic electrochemistry. One of the problems in the above work was to determine the energies of very unstable species such as cyclopropenyl anion derivatives. He realized, apparently for the first time, that carbon cations, carbon radicals, and carbon anions are simply different oxidation states of the same species, and can be interrelated with modern electrochemical methods. He described this in a series of papers [138-102, 123, 138, 141, 148, 172, 199]. This methodology has now been adopted by other chemists as a way to determine the energies, and related equilibrium constants, of cations, radicals, and anions.

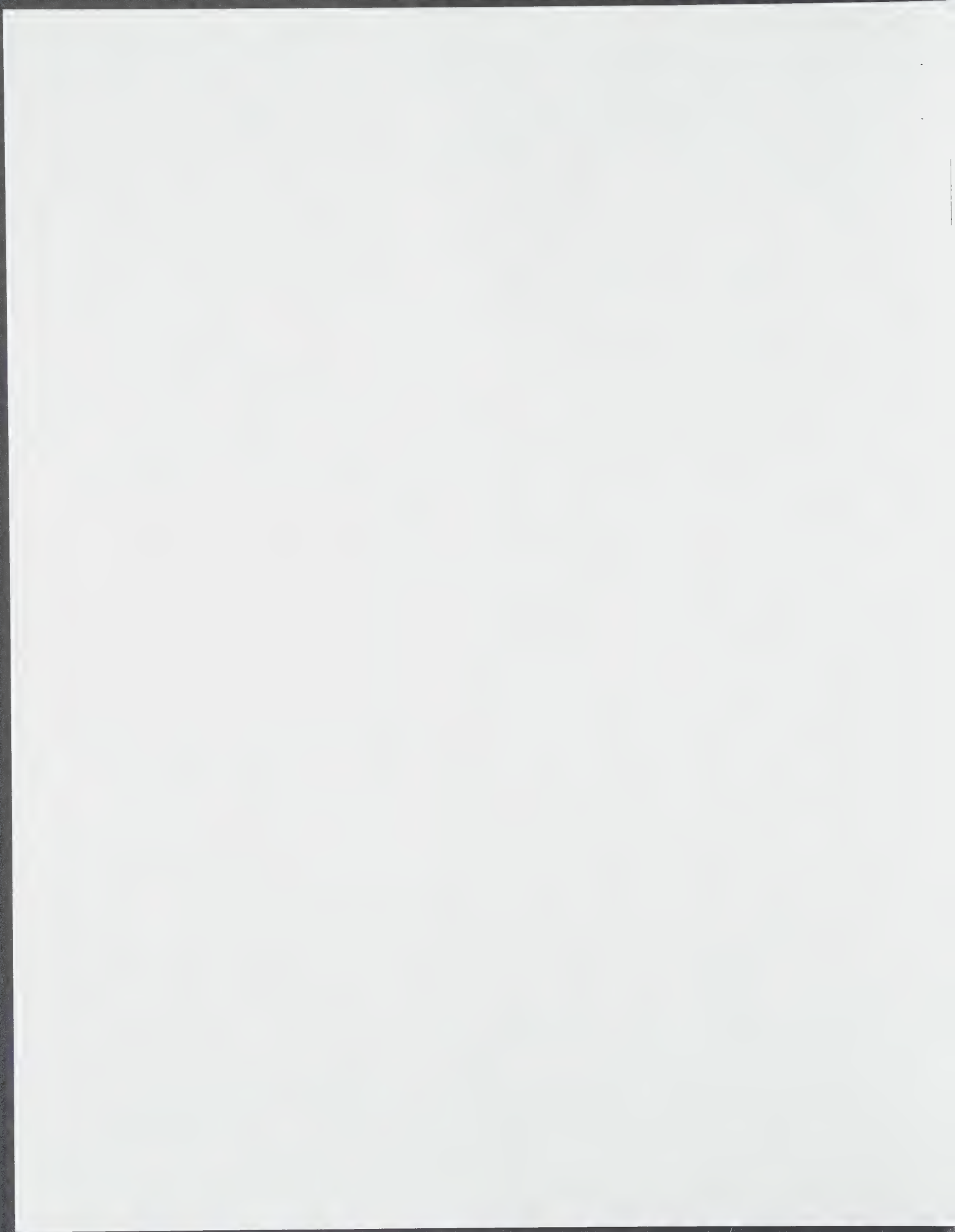


Stable triplet states and antiaromatic compounds. Normal organic molecules exist as singlets, with fully paired electrons. It was predicted by molecular quantum mechanics that some antiaromatic compounds with at least C₃ symmetry would exist instead as triplets. In extensive work [142- 146] on derivatives of four pi-electron cyclopentadienyl cation, including the parent species, he showed that indeed the simplest derivatives and the parent ion were ground state triplet molecules, but that in larger derivatives the singlet state fell below the triplet. He also examined the situation for cycloheptatrienyl anion and showed that a particularly stable set of ground-state triplet molecules could be prepared in the benzene dication series [147], which also contains four pi-electrons. His stable triplet states, and their possible use in the construction of ferromagnets, have been reviewed [148,149].

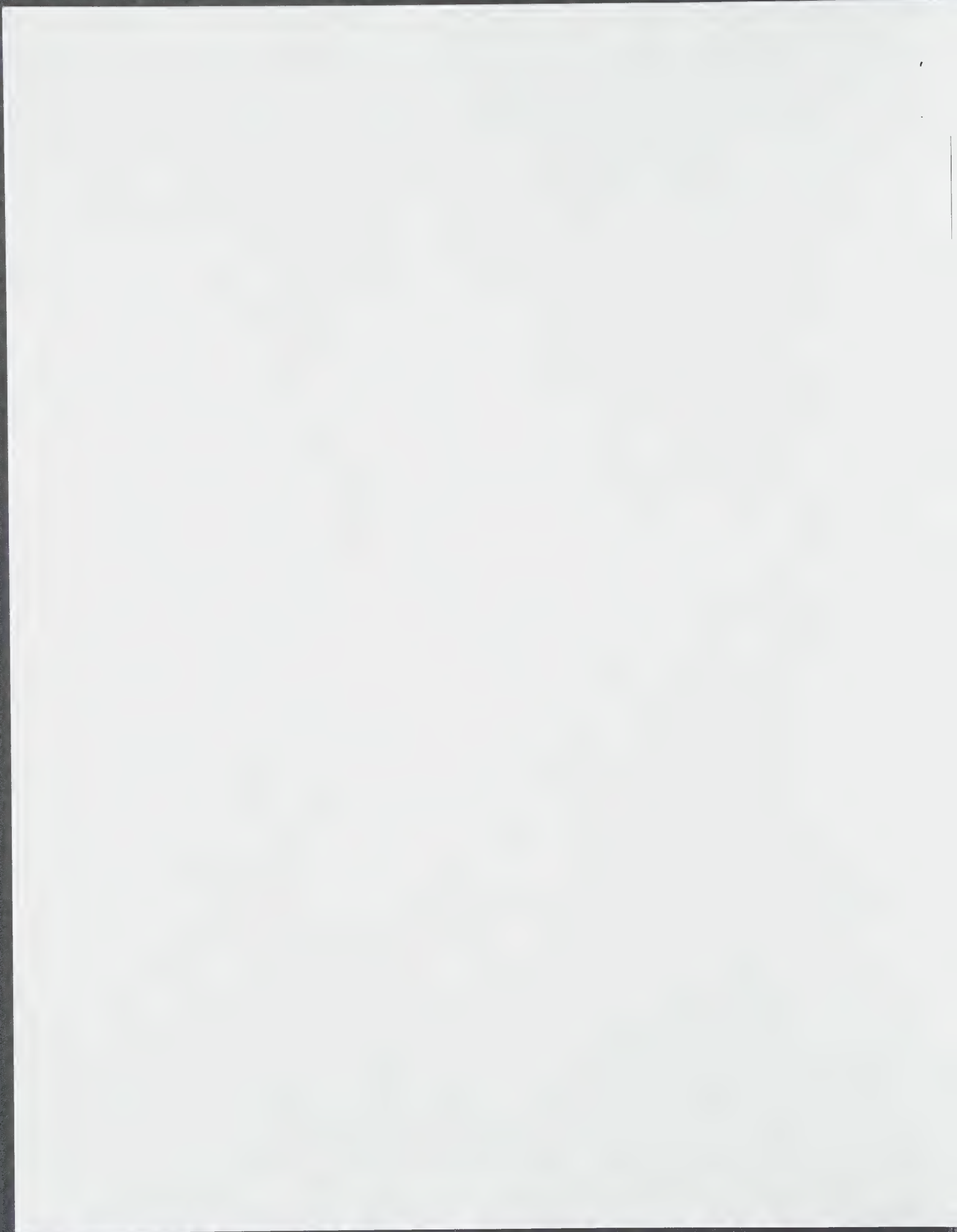
Aromaticity and antiaromaticity. In papers describing some novel cyclic ions [150] he was the first to propose a useful way to consider the resonance energy of cyclic conjugated systems (that is now sometimes called Breslow-Dewar resonance energy.) He showed [151- 153] that the properties of fused cyclic systems reflect both the stability or instability of the separate components and also the properties of the overall pi system, which was not known before (e.g., fusion of two systems with 4n pi electrons produces an overall 4n + 2 pi system, but that is not enough to fully overcome the antiaromaticity of the component rings.) Electrochemical methods were used to assess the antiaromaticity of cyclobutadiene [154,155]. Some of this work has been reviewed [156-158].

References

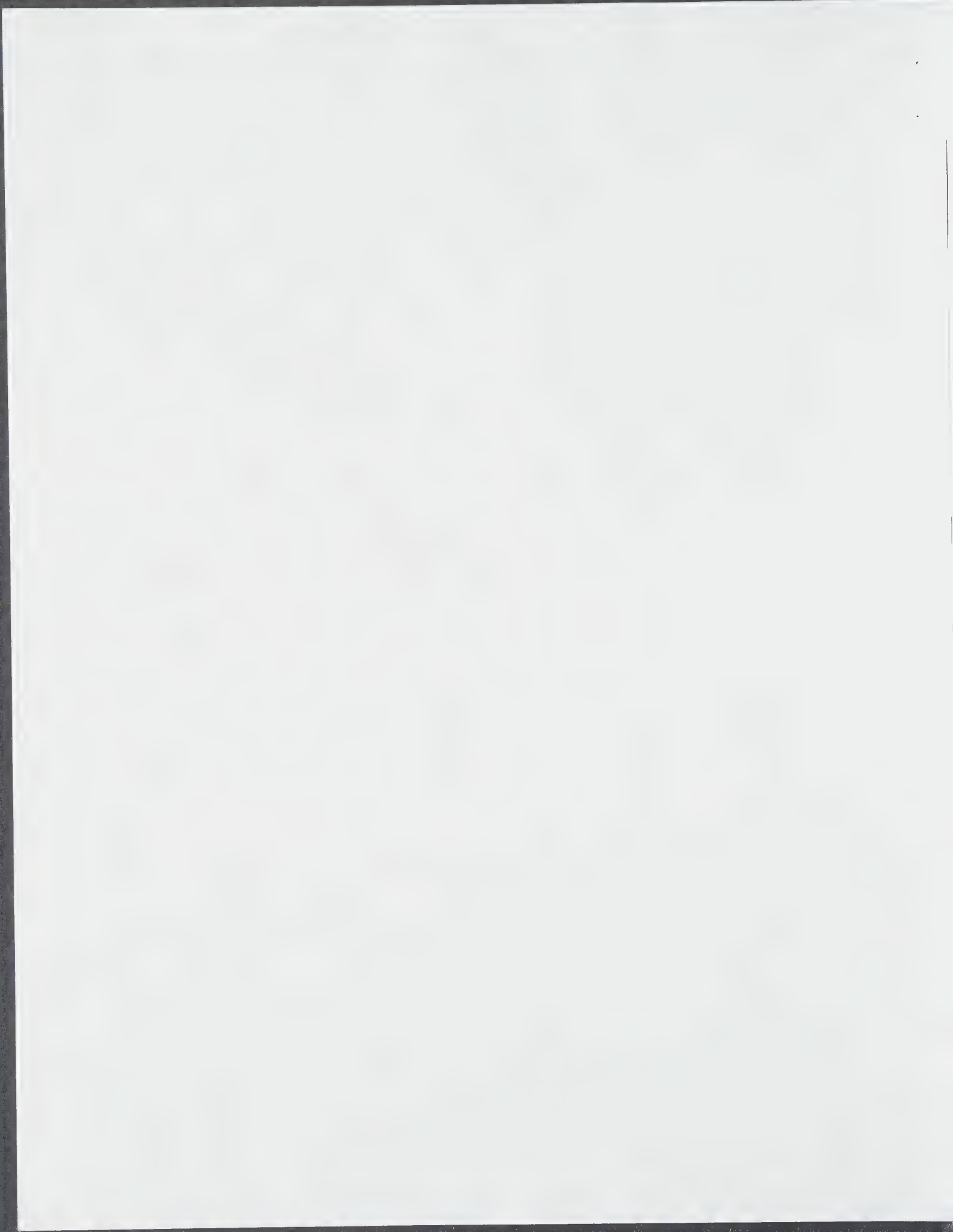
1. R. Breslow, P. Campbell, "Selective Aromatic Substitution within a Cyclodextrin Mixed Complex", J. Am. Chem. Soc., **91**, 3085 (1969).
2. R. Breslow, P. Campbell, "Selective Aromatic Substitution by Hydrophobic Binding of a Substrate to a Simple Cyclodextrin Catalyst", Bioorg. Chem., **1**, 140 (1971).
3. R. Breslow, L.E. Overman, "An 'Artificial Enzyme' Combining a Metal Catalytic Group and a Hydrophobic Binding Cavity", J. Am. Chem. Soc., **92**, 1075 (1970).
4. J. Emert, R. Breslow, "Modification of the Cavity of Beta-Cyclodextrin by Flexible Capping", J. Am. Chem. Soc., **97**, 670 (1975).
5. R. Breslow, H. Kohn, B. Siegel, "Methylated Cyclodextrin and a Cyclodextrin Polymer as Catalysts in Selective Anisole Chlorination", Tet. Letters, 1645 (1976).
6. R. Breslow, J. Doherty, G. Guillot, C. Lipsey, "Beta-Cyclodextrinyl-bisimidazole, a Model for Ribonuclease", J. Am. Chem. Soc., **100**, 3227-3229 (1978).
7. R. Breslow, P. Bovy, C. Lipsey Hersh, "Reversing the Selectivity of Cyclodextrin Bisimidazole Ribonuclease Mimics by Changing the Catalyst Geometry", J. Am. Chem. Soc., **102**, 2115 (1980).
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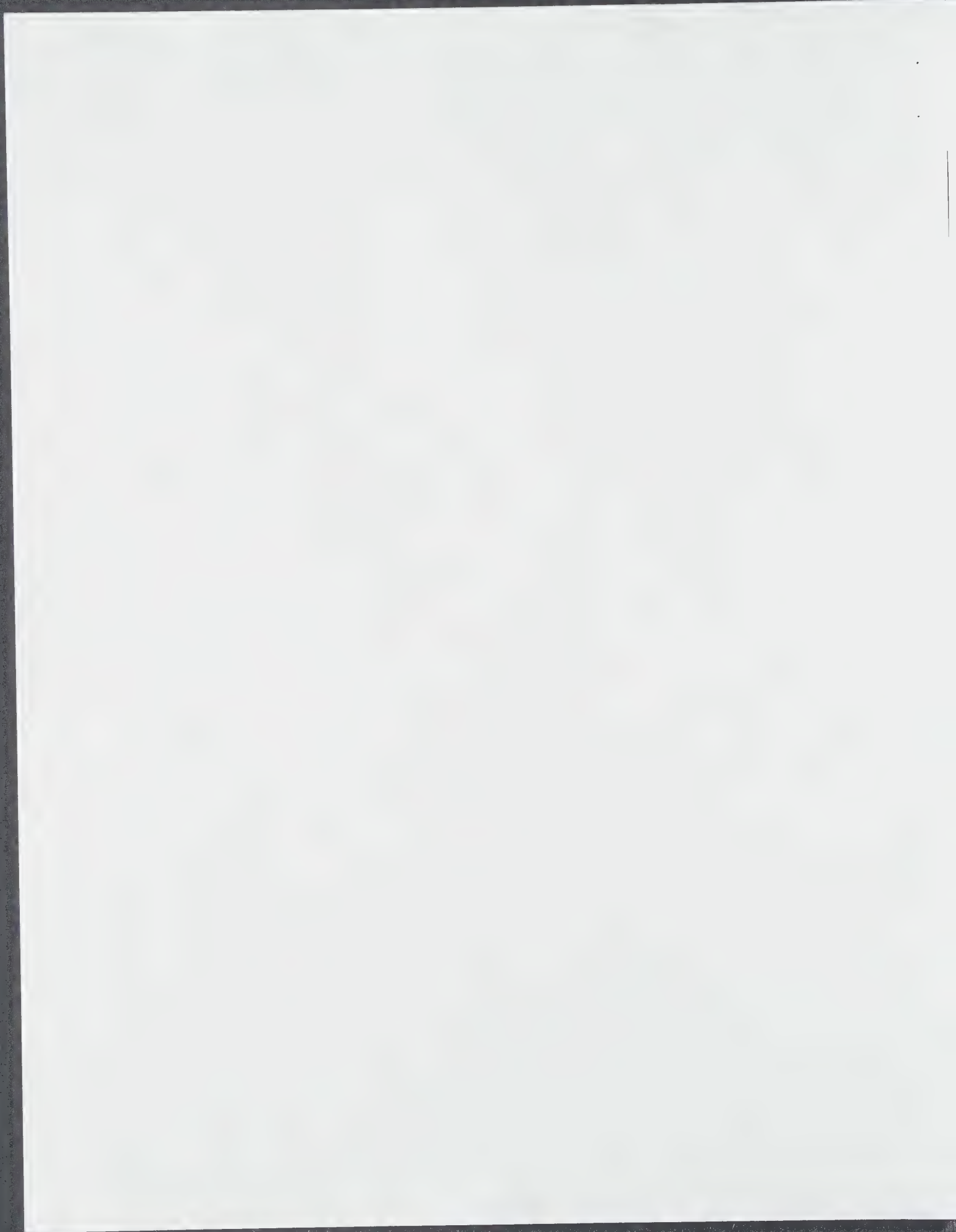
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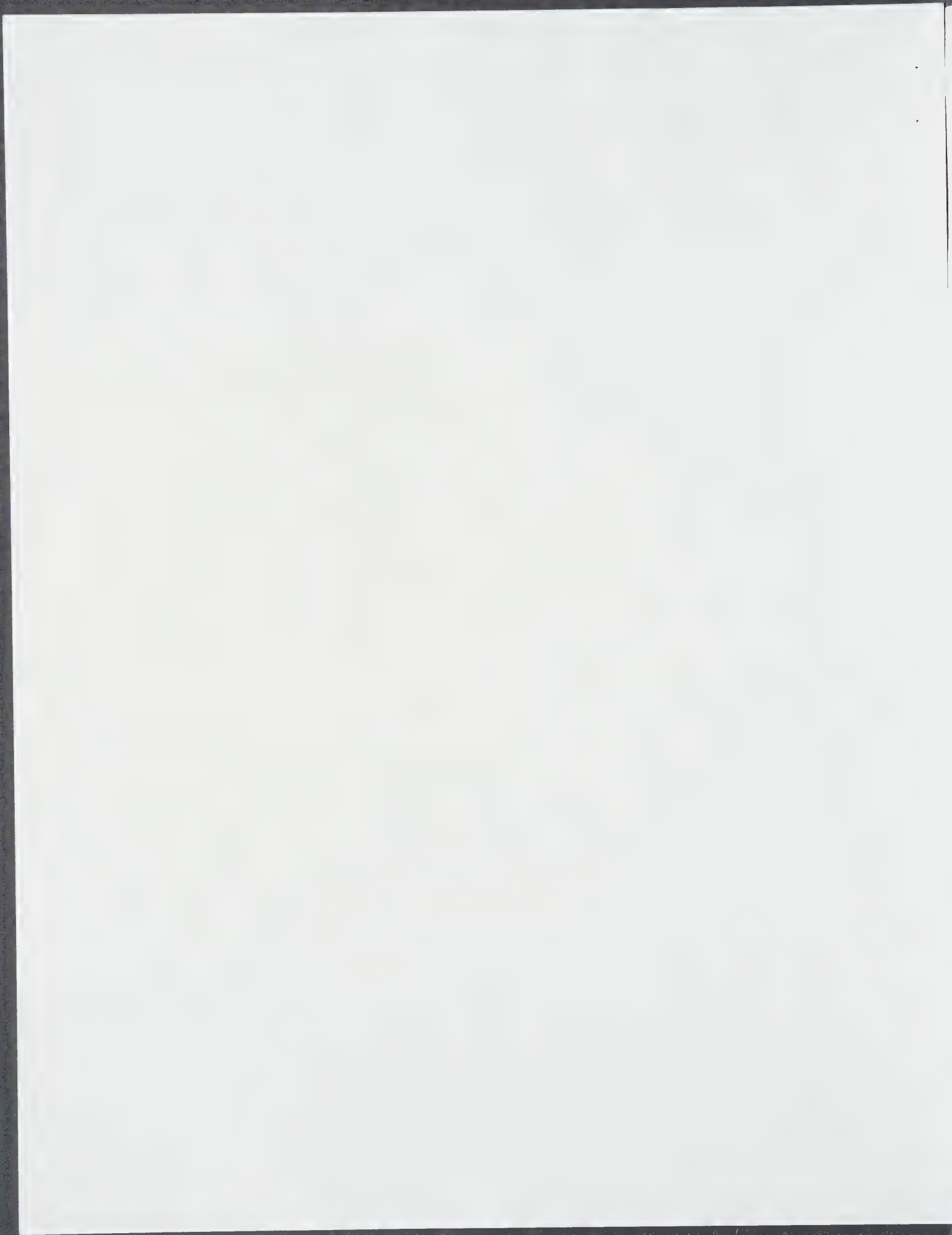
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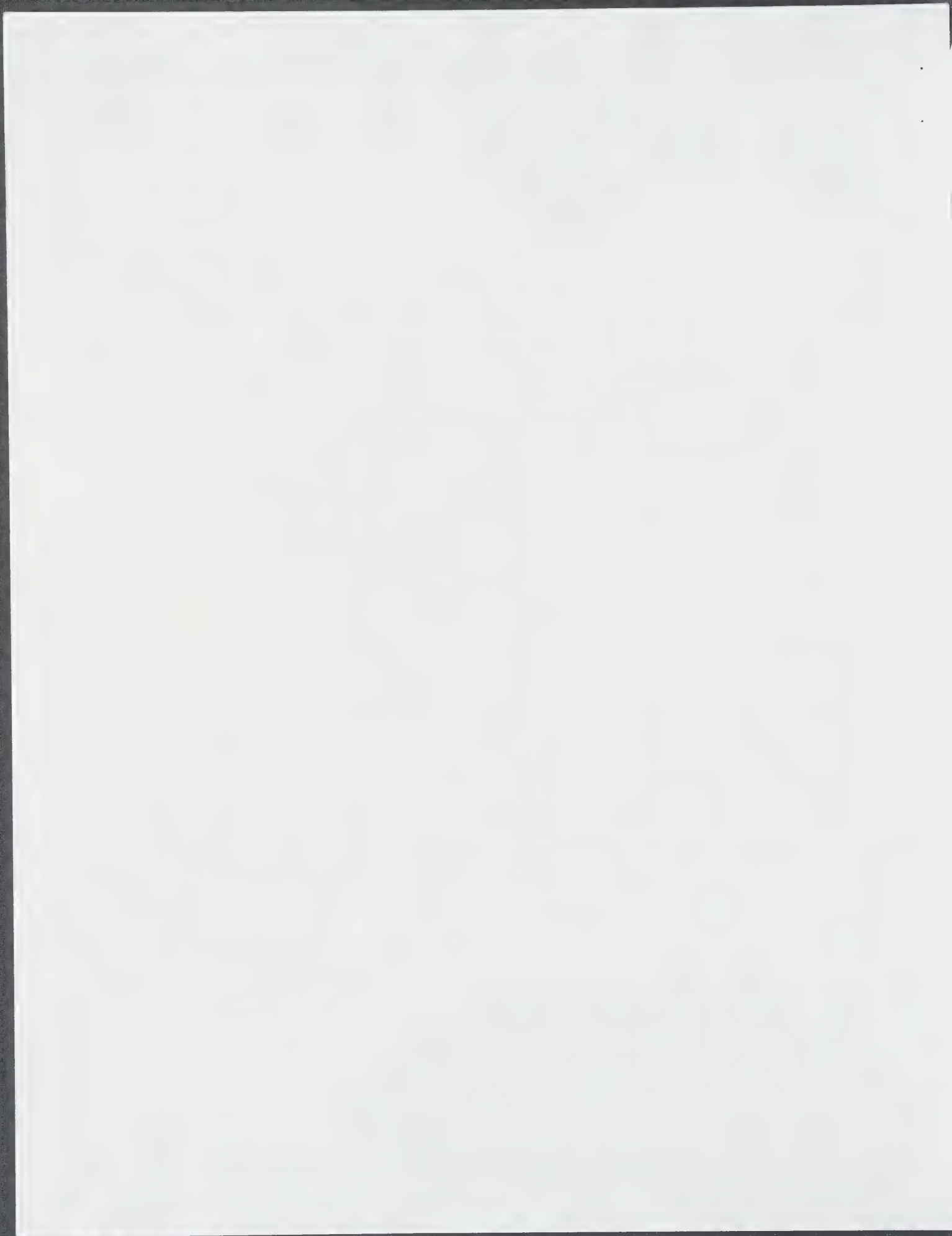
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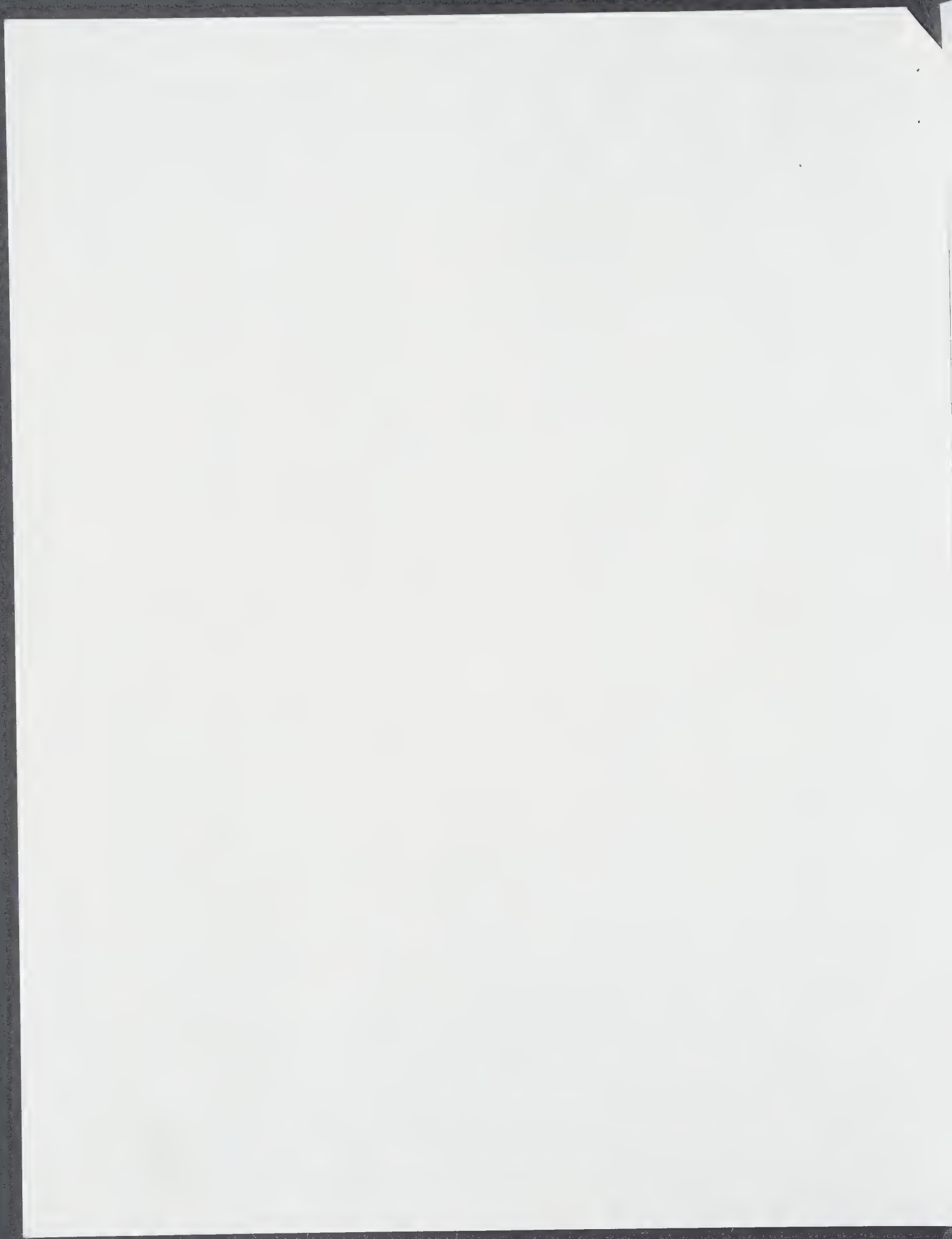
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EXPRESS COMMUNICATION

TO: Dr. Alfred Robert Bader
2961 N. Shepard Ave.
Milwaukee, WI 53211-3435

FROM: Ms. Denise Creech, Head
Department of Membership Activities
American Chemical Society
1155 16th Street, N.W.
Washington, DC 20036

MESSAGE:

C&EN Confirmation Request for Emeritus Member -- Alfred Robert Bader

Your *Chemical & Engineering News* subscription expires: **FEBRUARY 28, 1998**. Don't risk missing a single issue of *C&EN*. Sign this letter at the bottom and return it today in the enclosed business-reply envelope if you wish to continue receiving *C&EN* in 1998. If you prefer, you can return your confirmation by fax to **614/447-3671**.

Dear Dr. Bader,

As you know, by virtue of your emeritus status in the American Chemical Society, you receive complimentary copies of *Chemical & Engineering News*. However, we have not yet received your confirmation that you wish to continue this service in 1998.

I sent it!

Please confirm that you wish to continue receiving copies of *C&EN* in 1998 by signing your name at the bottom of this letter and returning it to us in the enclosed postage-paid envelope. If we do not hear from you by February 28, we will discontinue delivery of *C&EN* as of March 1, 1998.

Thank you for your assistance in verifying our records. We look forward to receiving your instructions.

*I sent on
Oct. 20 97
June 3 "
May 14 "*

*check # 3846 * 770 -
" 3788 ** 5000 -
" 3768 ** 1000 -*

Sincerely,

Denise Creech

Denise Creech

** membership
** Proper send gifts*

Enclosure

****Please return the entire page in the enclosed envelope ****

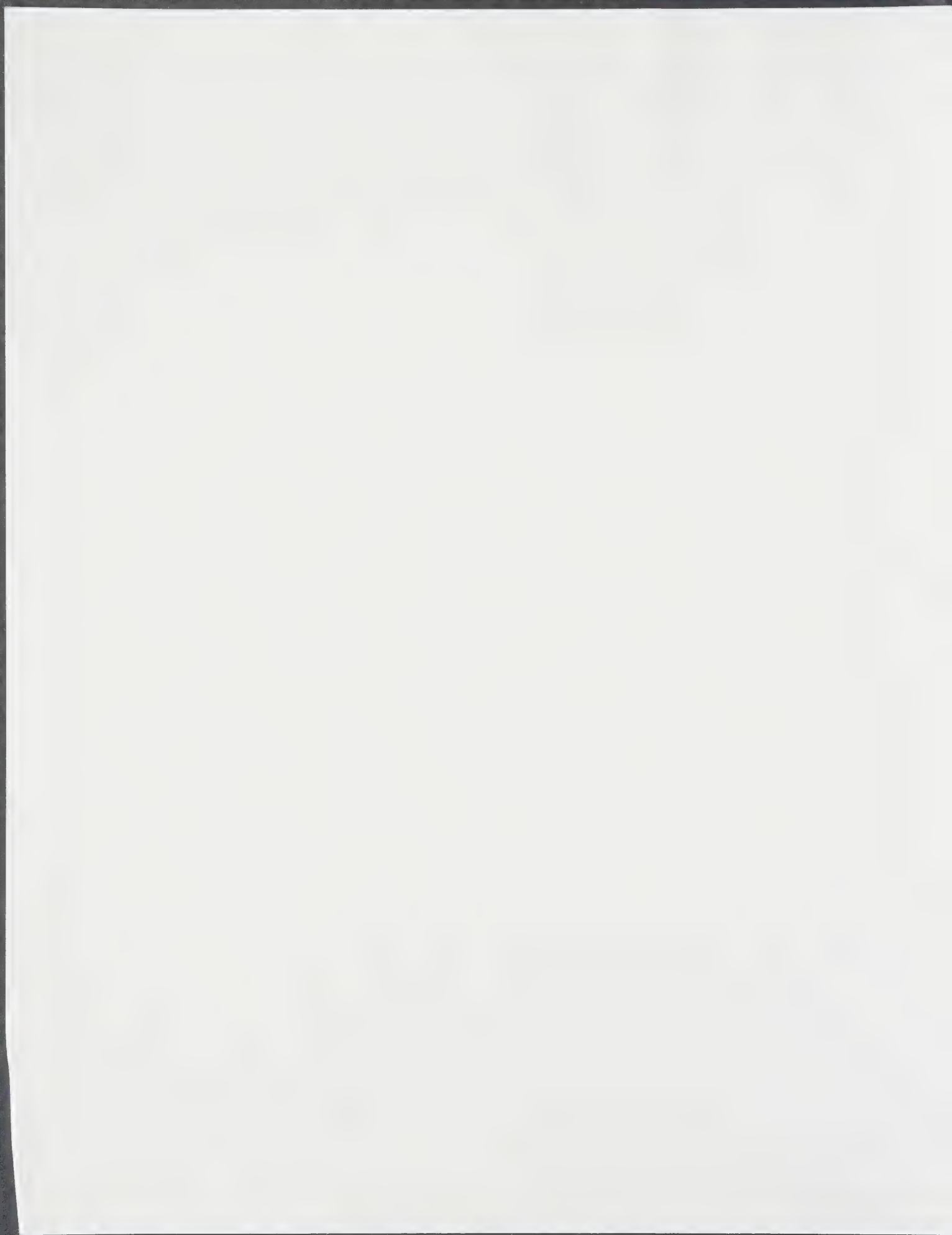
Yes, I wish to continue to receive *C&EN* in 1998.

Signature

Alfred Bader

Date

Feb 16 98



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

November 5, 1992

Dr. Robert W. Stackman
Chair, Award Committee
Milwaukee Section of the A.C.S.
S. C. Johnson & Son, Inc.
1525 Howe Street, MS-117
Racine, Wisconsin 53403

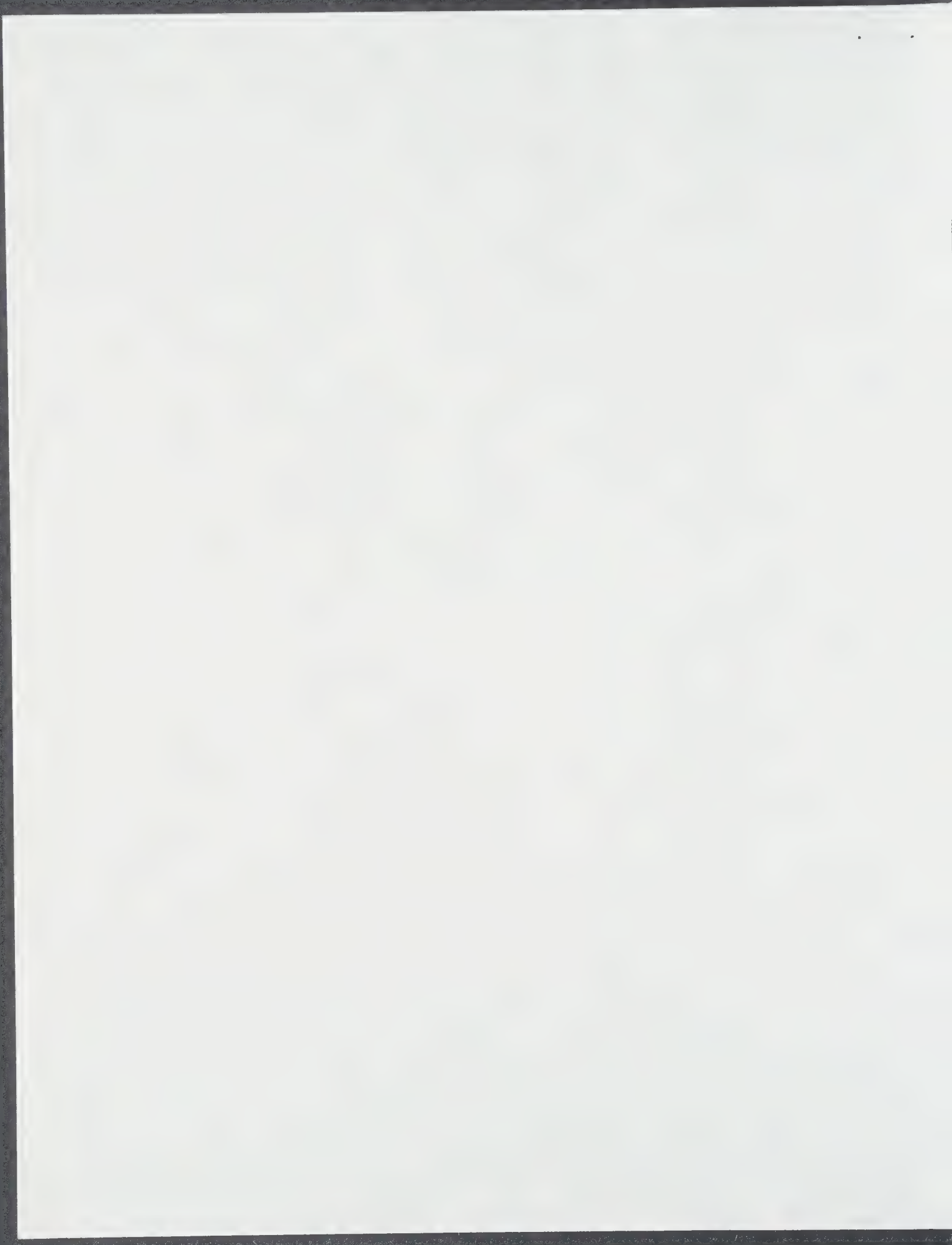
Dear Dr. Stackman:

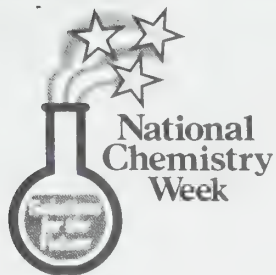
Thank you for your kind invitation of October 30th, to attend the A.C.S. meeting honoring Professor Wilke.

I would love to be able to attend, but I will be in London on November 19th.

Best regards.

Sincerely,





MILWAUKEE SECTION
OF THE
AMERICAN CHEMICAL SOCIETY
MILWAUKEE, WISCONSIN



PLEASE ADDRESS REPLY TO:

October 30, 1992

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

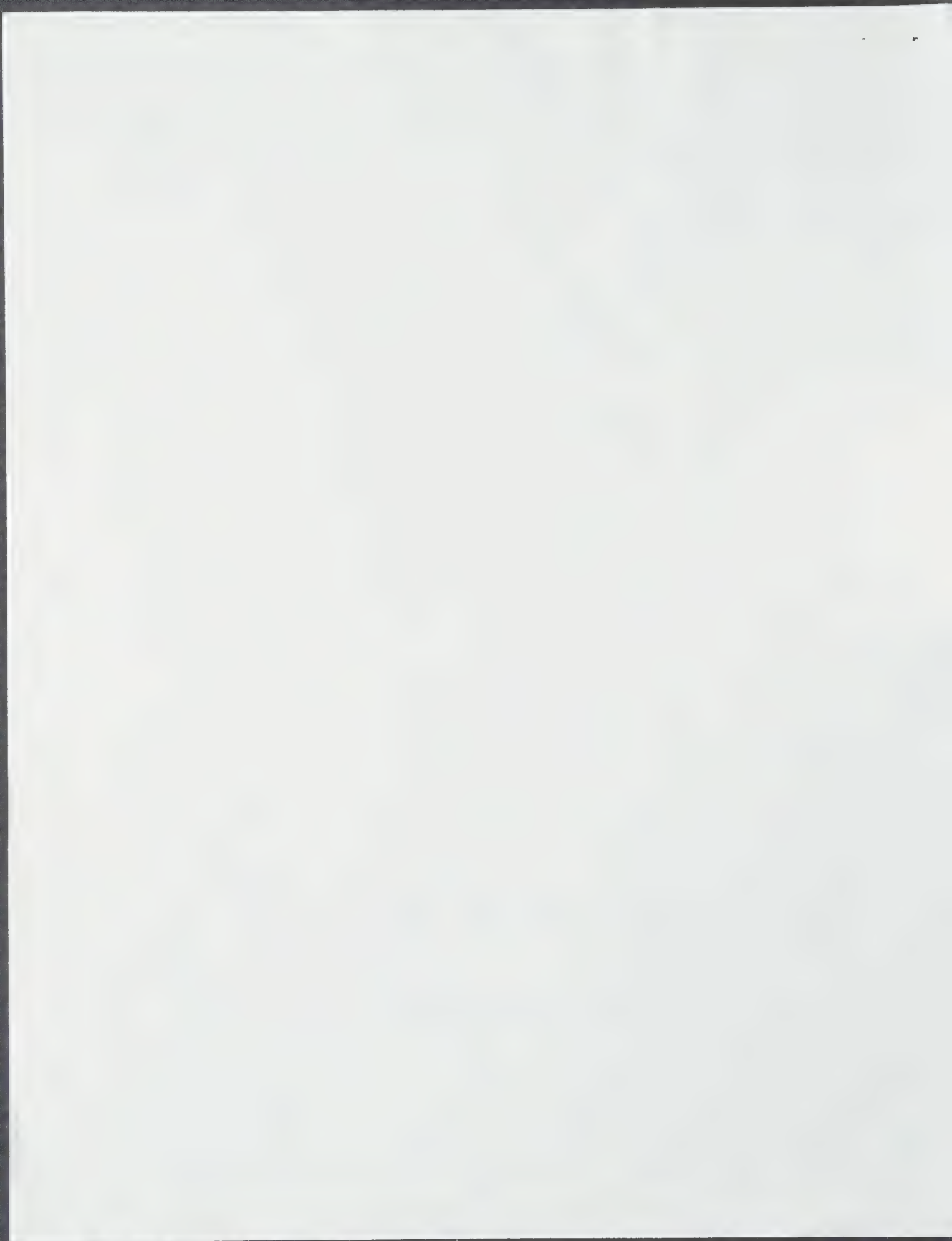
Dear Dr. Bader,

On Thursday November 19th the Milwaukee Section will host the 1992 winner of the Milwaukee Section Award. As a part of that celebration, it is my honor to invite you, a previous section awardee, to join us as our guest for this event. As announced in the "Amalgamator" for December, this years honoree is Dr. Charles A. Wilke, Professor of Chemistry at Marquette University. The meeting will be held at the Milwaukee Area Technical College, 700 W. State St. in Milwaukee. As usual, the social hour begins at 6:00 pm with dinner at 7:00 followed by the award presentation and the awardee's address.

I hope that you will be able to join us for this event. If I can be of assistance in the arranging local transportation or providing information about the meeting, please call me at the number below. If you will attend, please call to make dinner reservations.

Sincerely,

Robert W. Stackman
Chair-Milwaukee Section Award Committee
S. C. Johnson & Son, Inc.
1525 Howe St. MS-117
Racine, WI 53403
414-631-2108



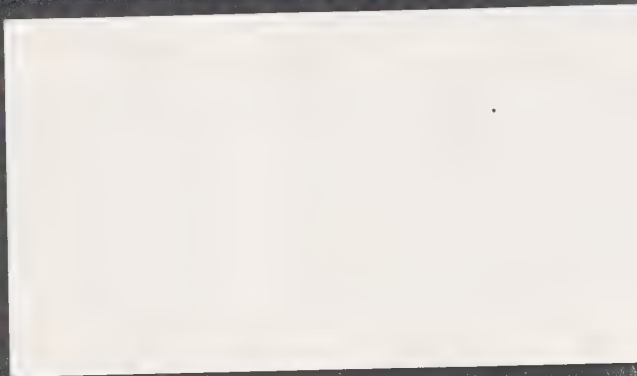


Signed Editions

Gretchen Kohl

By Appointment Only
1308 Bookness Street
Midland, Mi. 48640
(517) 631-7128

104 W. 5th Street
Clare, Mi. 48617
(517) 386-7722





MIDLAND SECTION
AMERICAN CHEMICAL SOCIETY
MIDLAND, MICHIGAN

April 26, 1993

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

Dear Dr. Bader,

On behalf of the Midland Section, please allow me again to thank you and Isabel for coming to Mt. Pleasant. All three of your talks were enjoyed very much by our ACS membership and the others who attended. I personally was sorry that I only could get over to your evening talk, but I assure you that it was as interesting to me the second time around as it had been the first time, when you visited with the Dow Corning Technical Exchange Society.

Please find, enclosed, the reimbursement for your stay with us, as per your request that you gave to Dr. Kohrman. I hope the arrangements were to your satisfaction, and that you had a pleasant and interesting return trip to Milwaukee.

I look forward to seeing you in Chicago, for the national ACS meeting, and the celebrations associated with Project SEED. Following our evening discussion about SEED, I talked to Vicky Cobb, our most recent Section Past-Chair, about some of the questions that you raised. She will be getting in touch with you, as she very much wished to talk to you, but was travelling during the week of your visit.

Also, personally, I very much enjoyed showing Isabel and you our small, but sincere, gallery in Clare, and thank you both for taking the time. I was pleased that you were able to date the painting that I had, and am glad to know what you think would be a reasonable price range. Roger and I are very interested in discussing future business with your gallery, and I will be contacting you soon, under separate cover.

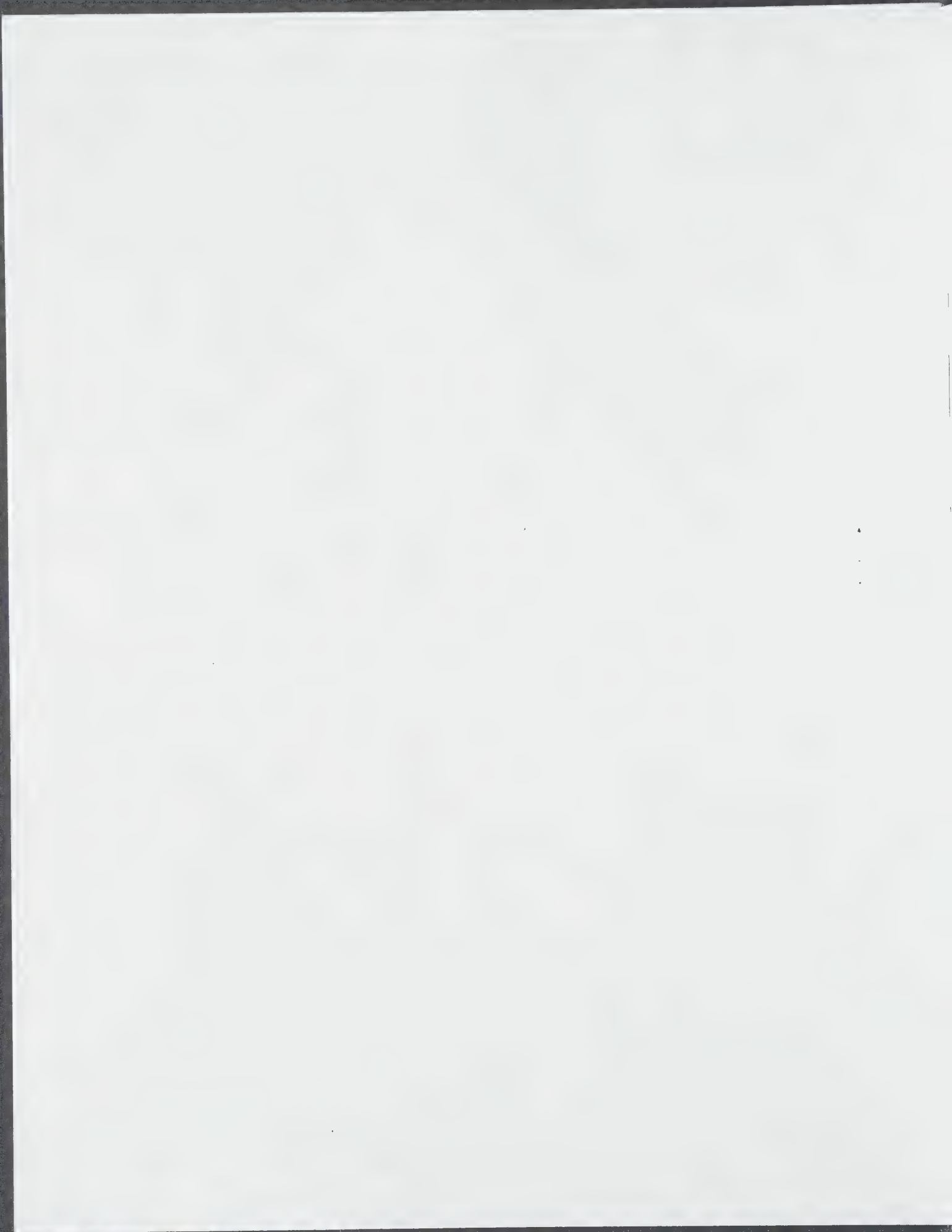
Again, many thanks and best regards,

Gretchen

Gretchen S. Kohl
1993 Chairman, Midland Section ACS
Dow Corning Corporation
Mail #65
Midland, MI 48686
(517) 496-5298



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FAX FROM

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

A Chemist Helping Chemists

November 3, 1997

Page 1 of 6

To: Ms. Catherine Buzalsky
Membership Division
Office of Local Section Activities
American Chemical Society
Fax: 202 / 872-4353

Dear Ms. Buzalsky:

A lecture tour to Ontario has delayed my responding to your fax of October 30th.

I am encouraged to learn that you might be able to change the itinerary and am confident that you can also change the choice of lectures.

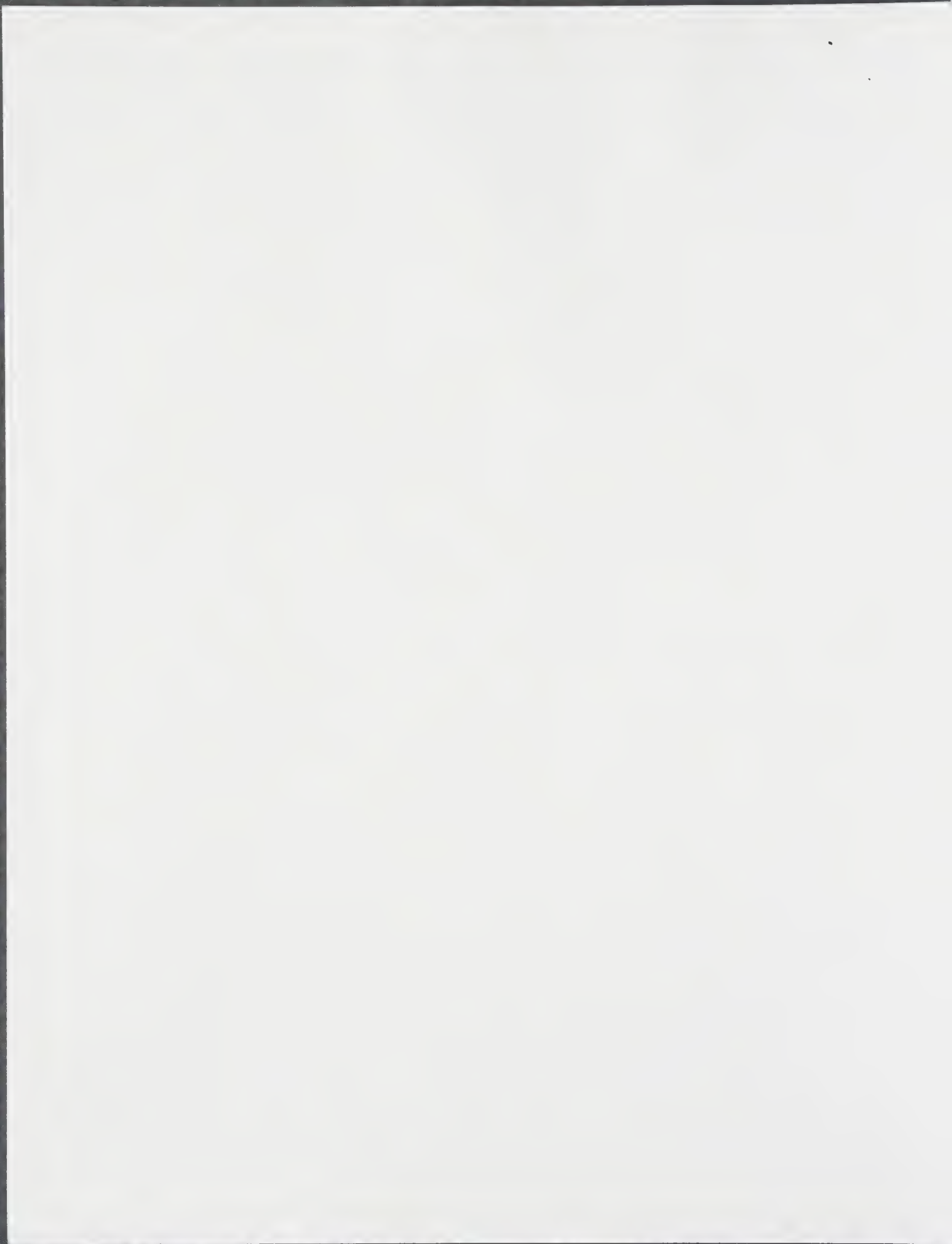
First of all, if the location of the Maryland Section meeting can be moved from Westminster to Baltimore, then I think we can rearrange the entire trip.

Please suggest to the Baltimore Section that they talk to the director or curator of the Walters Art Gallery who know me reasonably well. I enclose two pertinent letters from and to their director and curator.

It would be great if the ACS would invite me to speak somewhere on the History of Aldrich or on Anschütz, Couper, and Loschmidt and if then the Walters Art Gallery also invited me to speak on paintings the same day.

If the talks could be in Baltimore then, of course, I would be happy to speak at other locations also, particularly at State College Pennsylvania, where I have never been.

Pittsburgh would be great but, of course, is not essential. Again, in Pittsburgh I would be delighted to speak on one of the two chemical topics and then give a second talk, preferably at the art gallery.



Ms. Catherine Buzalsky
November 3, 1997
Page two

Once we know whether Baltimore is possible and also learn whether Pittsburgh wants to be included, then I would like to study with you the rather difficult itinerary to cut driving to a minimum. Hence, first of all I look forward to hearing from you about Baltimore.

I am leaving for Britain and Spain this coming Thursday, November the 6th, returning on December the 18th. It would be great if we could put the itinerary to bed before then.

In any case I am keeping the week of April the 20th open for this tour.

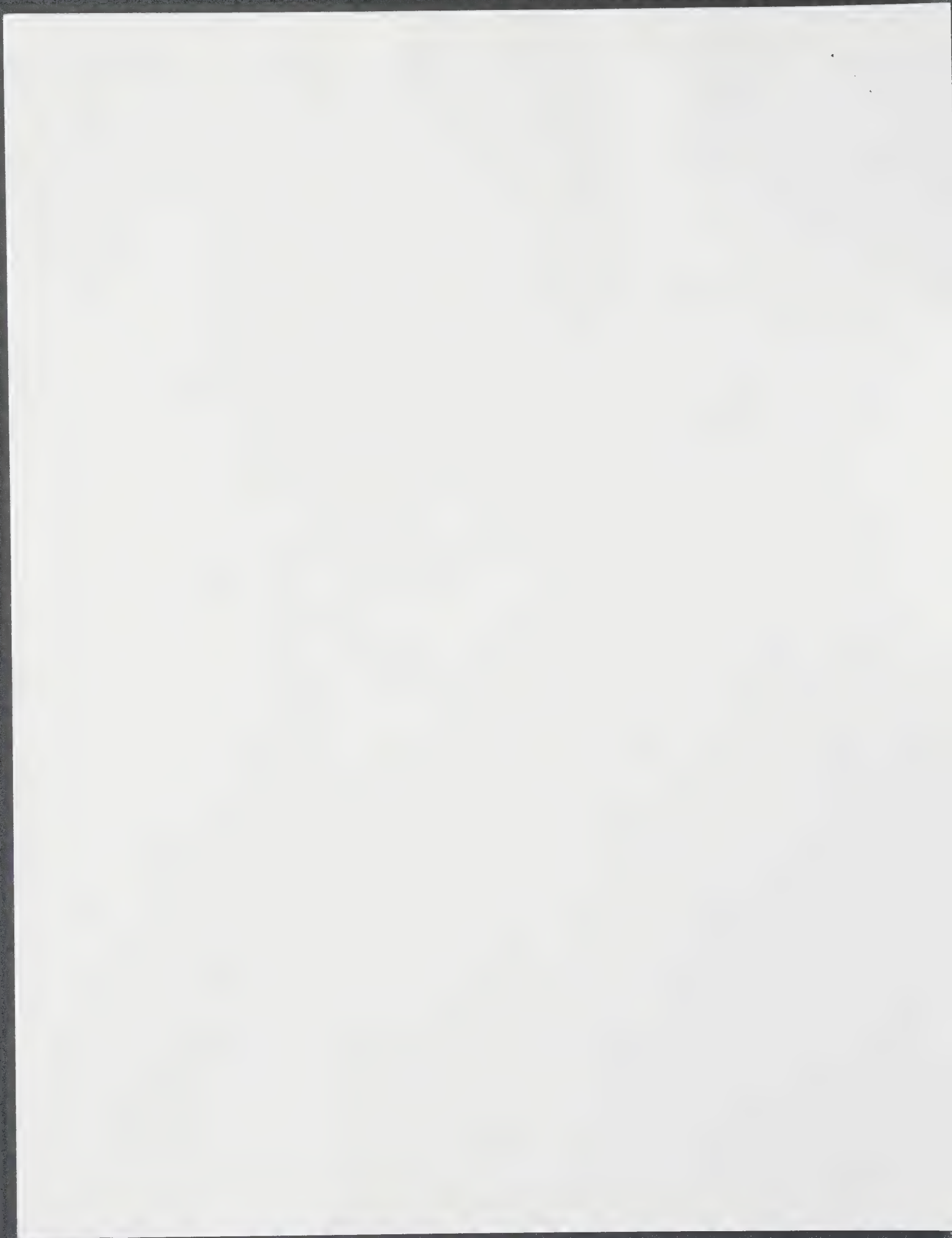
Best wishes,

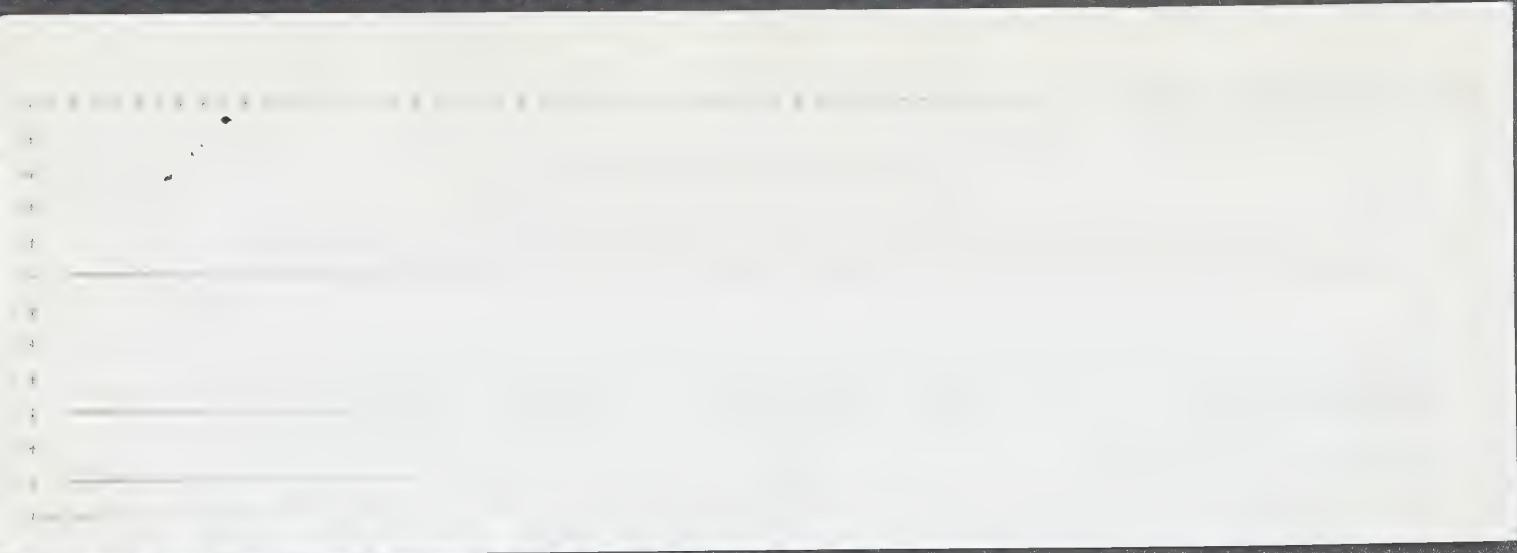
Sincerely,

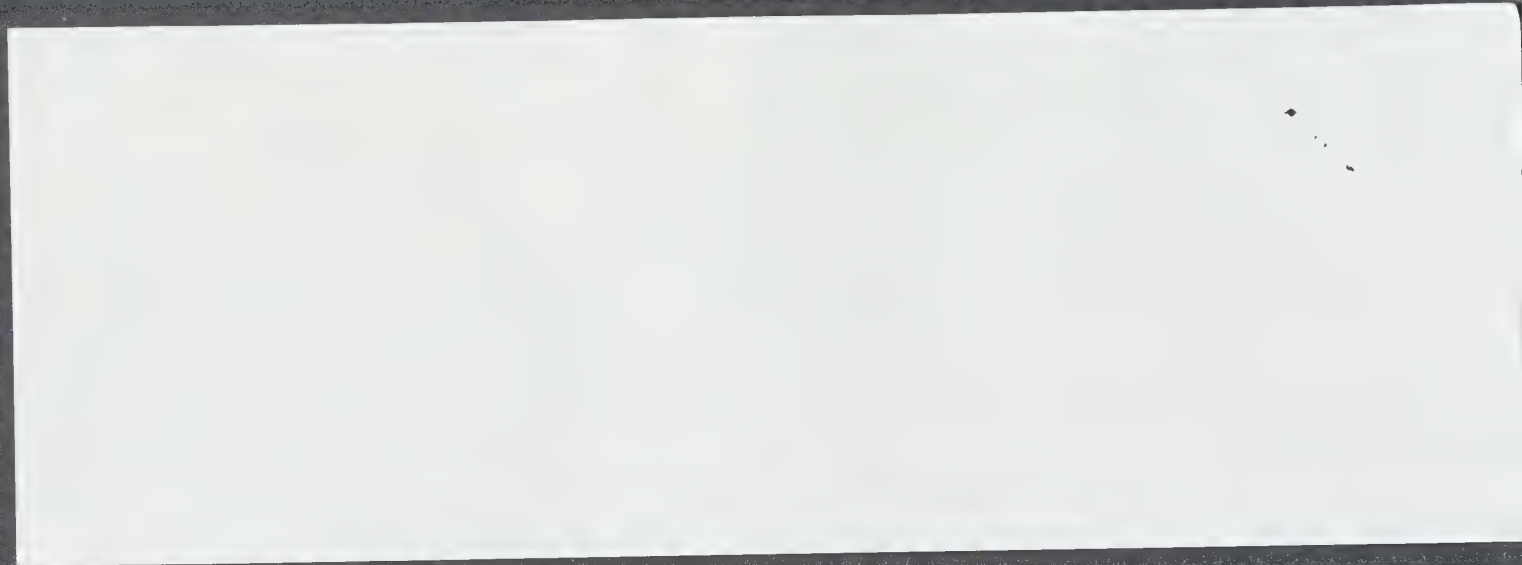
A handwritten signature in cursive script, appearing to read "Andrew R. K...". The signature is written in dark ink and is positioned below the word "Sincerely,".

AB/nik

Enclosures









American Chemical Society

Dennis Chamot, *Chairman*

COMMITTEE ON PROJECT SEED

1155 16th Street, N.W., Washington, D.C. 20036
Staff Liaison (202) 872-4380

August 25, 1994

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

Dear Dr. Bader:

It is a very great pleasure for me, as chairman of the ACS Committee on Project SEED, to inform you that the ACS Board of Directors approved our request for permanent support for the Summer II program.

This valuable program owes its existence to your foresight and the generosity of the Bader family foundation. Participation has grown every year of the three years provided for in your grant. Both anecdotal evidence and the surveys we send to the students confirm that the second summer experience increases the students' interest in, and commitment to, chemistry.

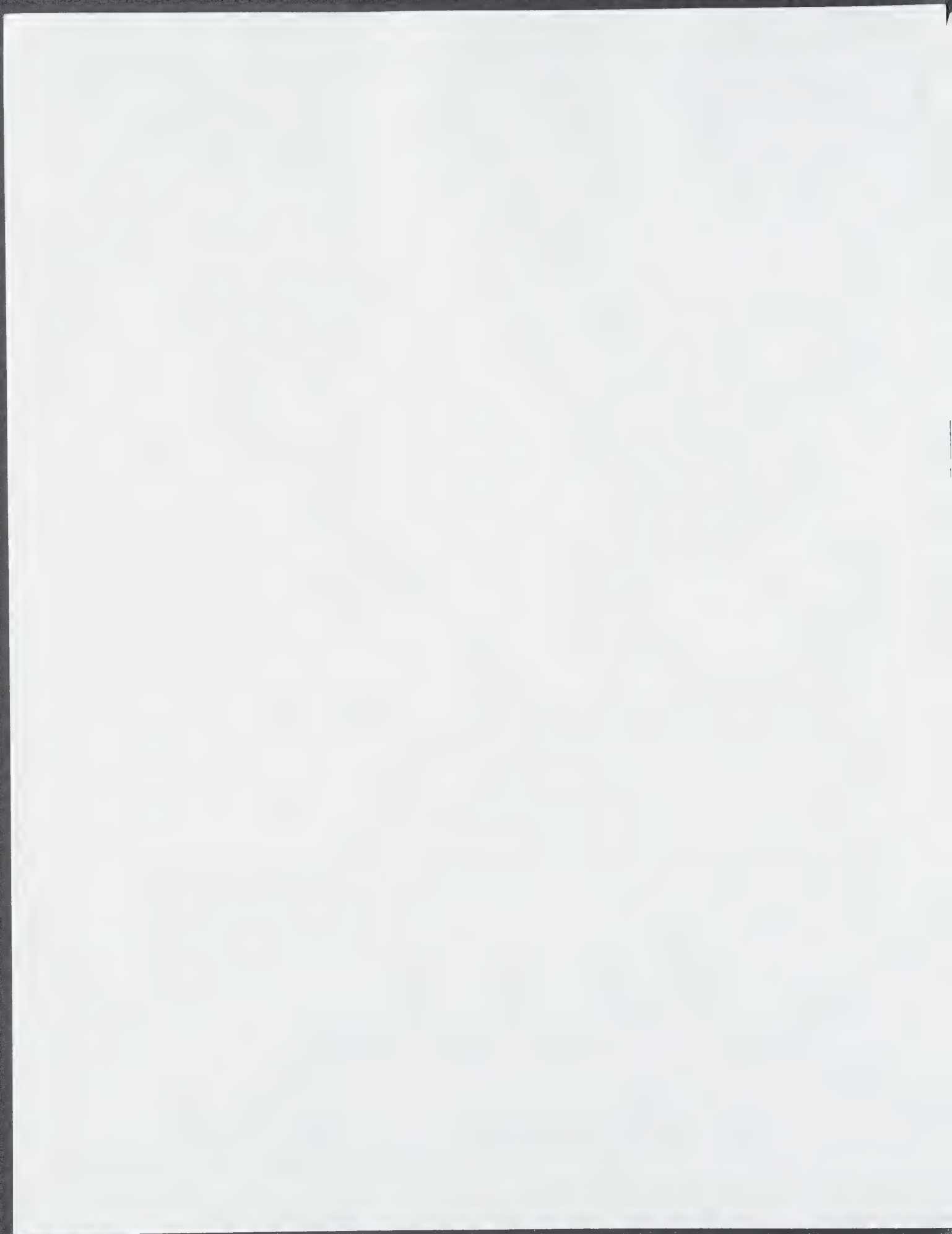
The program has spent most of the money from the grant, all going to student stipends. There is a small amount to be carried over to next year, but the ACS has not been able to raise enough outside money to keep it going at anywhere near its current level. With corporate and government budgets very tight, most fundraising efforts for Project SEED need to be directed towards keeping the basic Summer I program viable. Fortunately, with three successful summers behind us, we were able to convince the ACS Board to pick up a major part of the support -- they will allocate \$76,000 per year to the Project SEED Summer II program, starting next year.

This is my last year as chairman of the committee. It is personally gratifying to be able to leave with the program you started on a solid foundation.

On behalf of the entire Committee on Project SEED and its staff, I want to thank you again for your vision, confidence, and generosity.

Sincerely,

Dennis Chamot, Ph.D.



FAX FROM



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

A Chemist Helping Chemists

March 3, 1997

Page 1 of 1

To: Ms. Jennifer D'Elia
ACS Development Office
Fax: 202 / 872-6071

Dear Ms. D'Elia:

Thank you for your thoughtful fax of today.

Of course I read the article on Project SEED last week and was really disappointed that of the nine hundred sixteen (916) former participants, well under one-half responded. Of course the three hundred ninety-seven (397) who responded are likely to have done very much better than those who did not respond.

I am sure that you are now keeping track of the students carefully.

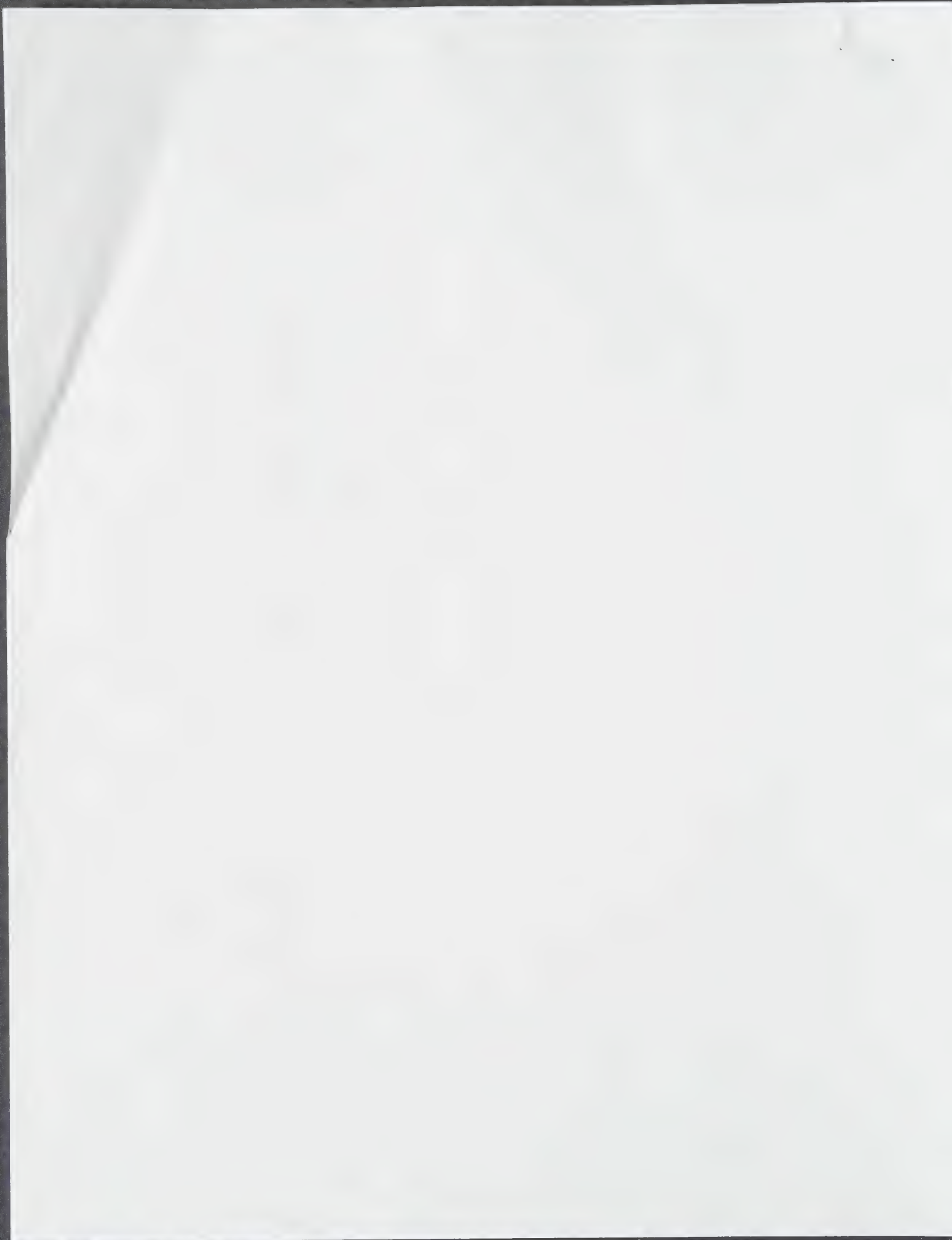
I will be at the ACS meeting and if at all possible will attend some of the Project SEED talks on Tuesday morning.

Could you, per chance, tell me when the ACS is planning to have my book signing?

With all good wishes, I remain,

Yours sincerely,

AB/nik





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

A Chemist Helping Chemists

April 2, 1997

Dr. Christine B. Brennan
Committee on Project SEED
American Chemical Society
1155 16th Street, N.W.
Washington, D.C. 20036

Dear Dr. Brennan:

Thank you for sending me the four volumes with the Project SEED evaluation.

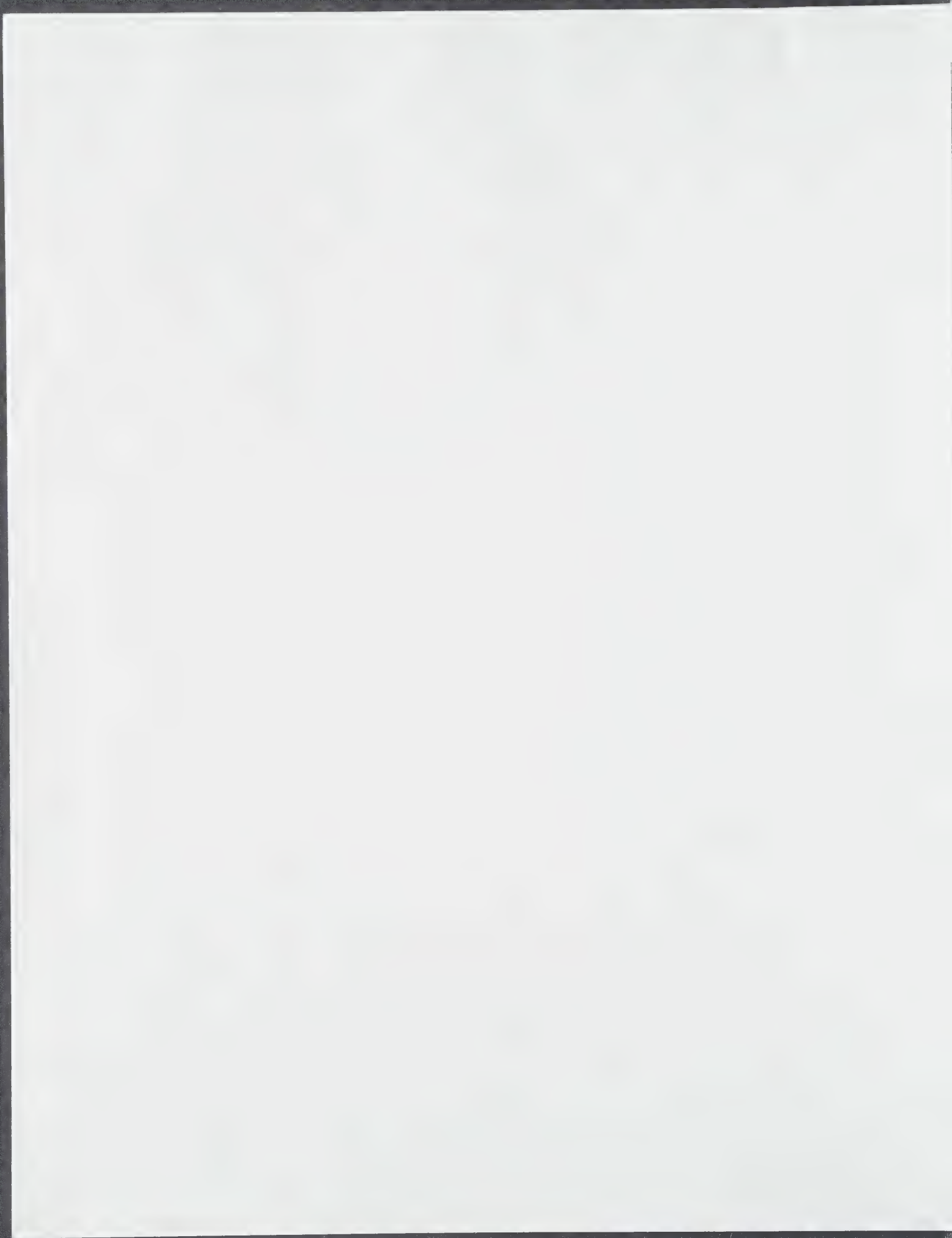
At the beginning many people doubted whether Project SEED would succeed and so it is understandable that there were so many students of whom we last talked. I am sure that you are much more thorough now keeping in touch with the students involved.

By in large the responses of these 49 percent are indeed positive though I still consider it a great pity that the mentors were not picked more carefully. You will have noted that there were quite a few students who considered that they were little more than glorified dishwashers.

I very much look forward to the Project SEED evaluation and of course am quite confident that you will have responses from a much larger percentage of students, and almost positive.

I very much look forward to joining you in San Francisco.

Enclosed please find some very interesting material sent to me by Dr. Alan Nixon. Of course Isabel and I would like to help provided only that you and Jennifer D'Elia and Dr. Silber believe that you can effectively distribute the tapes as Dr. Nixon suggests.



Dr. Christine B. Brennan
April 2, 1997
Page two

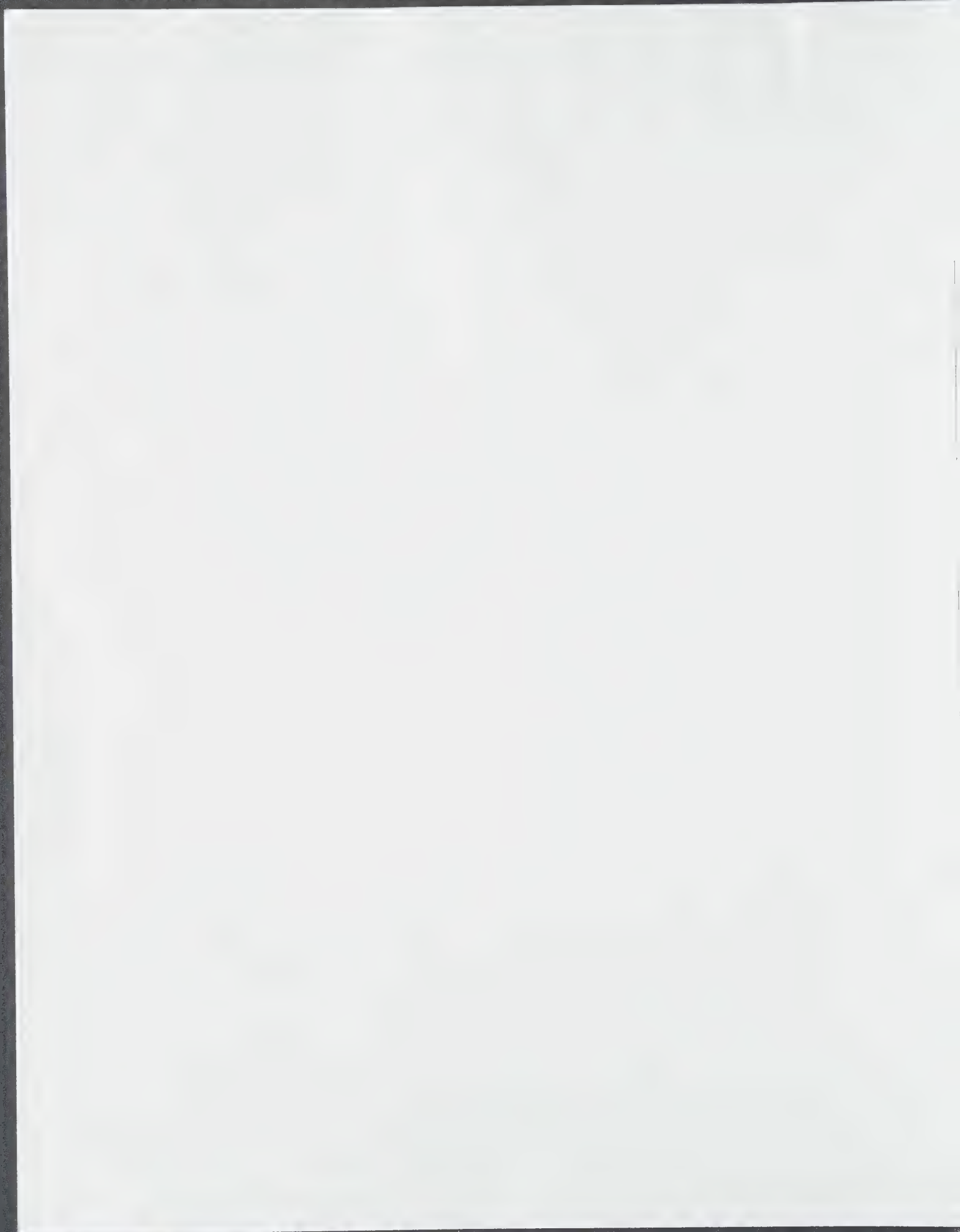
Please do not bother to reply, as time is so short but perhaps you and Jennifer D'Elia and Dr. Silber and Dr. Nixon could get together very briefly with Isabel and me to finalize on this.

With all good wishes, I remain,

Yours sincerely,

c: Dr. Alan Nixon

Enclosures





American Chemical Society

Herbert B. Silber, *Chairman*

March 26, 1997

COMMITTEE ON PROJECT SEED

1155 16th Street, N.W., Washington, D.C. 20036

Staff Liaison (202) 872-4380

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

Dear Dr. Bader;

I hope this letter finds you well. As you know the comprehensive evaluation of Project SEED was completed last summer. I am sure you read the article about the project in the February 23 issue of *Chemical and Engineering News*. With your interest and involvement with Project SEED, I thought you might appreciate a full copy of the evaluation.

The response to the evaluation has been highly positive. As you might imagine, locating SEED alumni was a difficult and time-consuming task, yet the contractors were able to get a 49% response rate from surveys sent to approximately 800 SEED alumni. Considering that participants spanning 27 years were being surveyed, this rate of return was considered quite good. Overall, the data collected was overwhelmingly positive, supporting our belief that Project SEED is making a difference in the lives of its participants.

All programs in the Society are under pressure to have comprehensive evaluations in place to demonstrate they are meeting their own objectives and those of the Society at large. Because of this emphasis on evaluation, we are having the same contractor conduct a survey of the Summer II students. We want support for our belief that the Summer II program adds to the value of Project SEED.

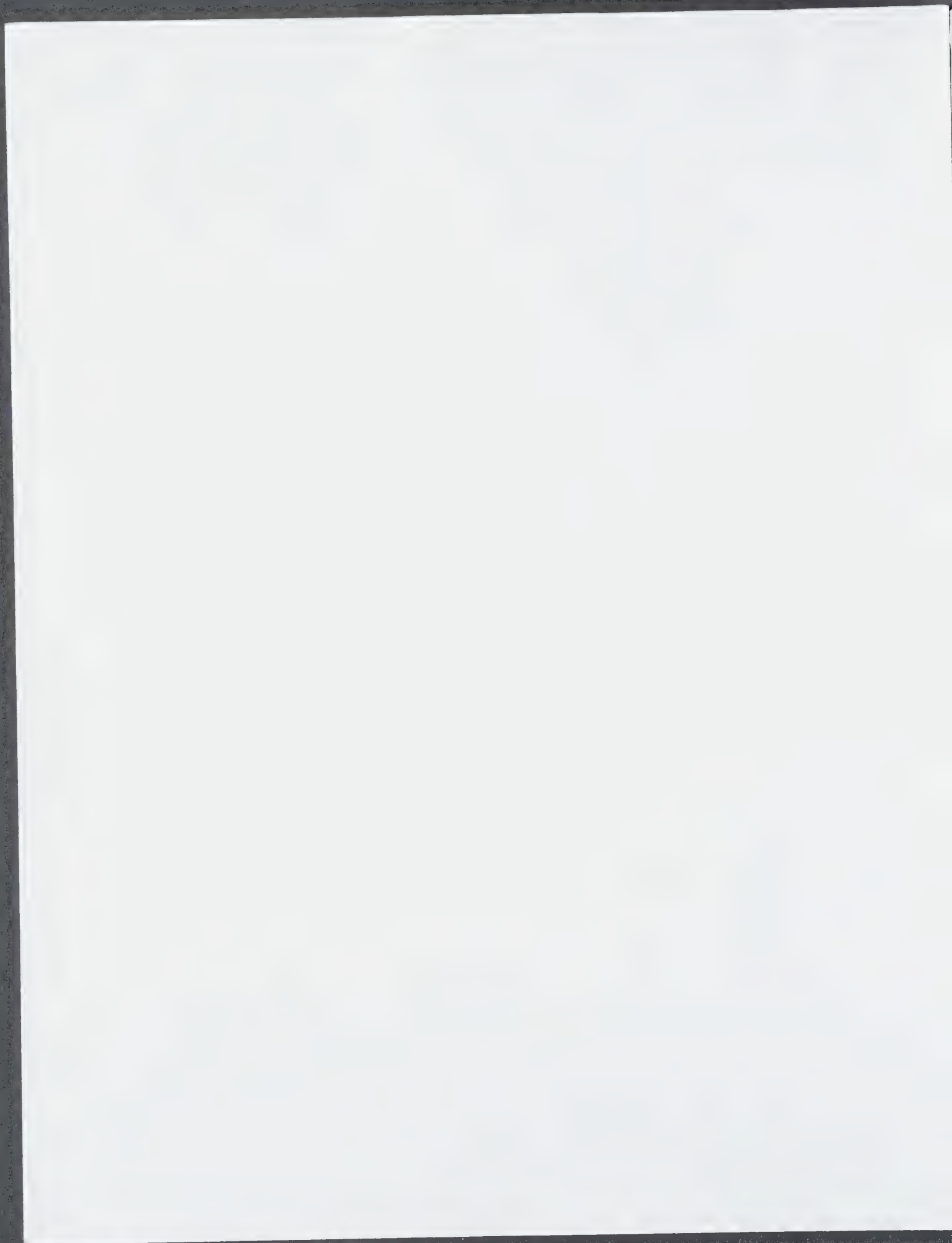
If you are planning to be in San Francisco for the ACS meeting next month, please feel free to drop by the Project SEED Open Meeting on Monday, April 14, at 4:00 pm in the San Francisco Hilton, Union Square 10 Room. In addition, you are invited to attend the Project SEED Symposium on Tuesday, April 15, 8:50 am-noon in the San Francisco Hilton, Union Square 23/24, 4th Floor. If you have any questions or concerns, I can be reached at (202) 872-6169. Thanks you always for your support.

Sincerely,

Christine B. Brennan, Ph.D.
Staff Liaison to the Committee on Project SEED

cc: Jennifer D'Elia
Herb Silber
Michael Tinneland

Enclosure: Project SEED Comprehensive Evaluation (four volumes)





American Chemical Society

1155 SIXTEENTH STREET, N.W.
WASHINGTON, D.C. 20036
PHONE (202) 872-4534

JOHN K CRUM
Executive Director

June 20, 1997

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

Dear Dr. Bader:

On behalf of the Board of Directors of the American Chemical Society (ACS), I would like to thank you for your \$5,000 gift in support of the Project SEED College Scholarship program.

Your gift will be matched, dollar for dollar, by the Society. This will make it possible to award two Bader Project SEED College Scholarships to deserving SEED graduates for the upcoming school year.

Additionally, we are extremely grateful for your generous offer to continue support of the SEED Scholarship effort in 1998 and beyond. Your long-term commitment to helping some of our nation's finest young science students begin their college careers is remarkable and greatly appreciated.

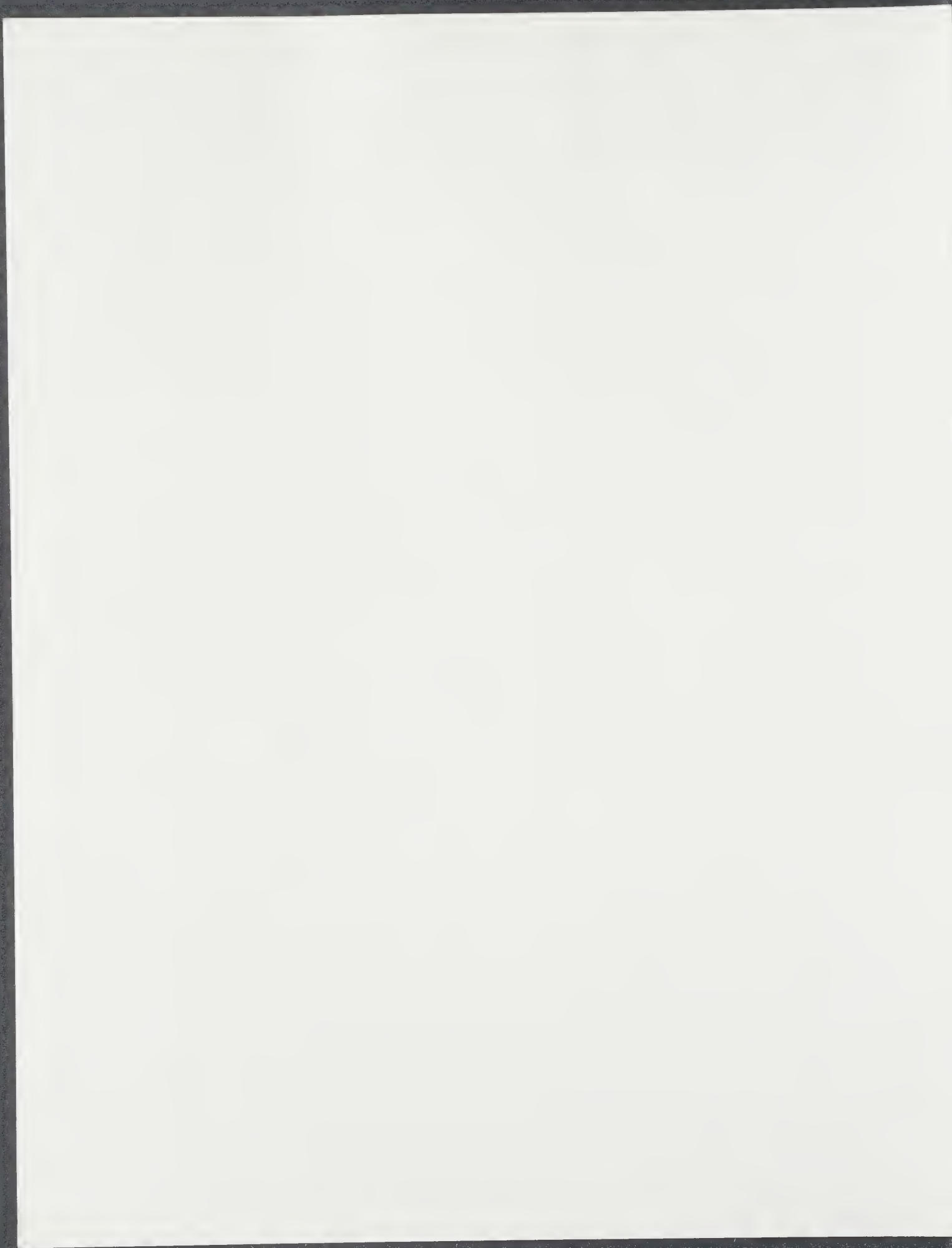
My sincerest thanks goes to you and Mrs. Bader for your unselfish support of ACS and our most worthy programs.

Sincerely,

A handwritten signature in cursive script that reads "John K. Crum".

John K Crum

cc: Dr. Christine B. Brennan
Ms. Jennifer H. D'Elia
Dr. Ernest L. Eliel





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

A Chemist Helping Chemists

December 31, 1997

Ms. Pamela J. Ayre
Acting Director
Development Office
American Chemical Society
1155 Sixteenth Street, N.W.
Washington, D.C. 20036

Dear Ms. Ayre:

I wrote to you on November the 3rd enquiring whether the \$5,000 Project SEED scholarships which Isabel and I hope to fund in 1998 (to be matched by the ACS) will be going to Project SEED II students.

Surprisingly I have not received your reply and fear that my letter might have gotten lost and so I enclose copy.

In a somewhat related matter I offered the ACS last summer the sum of \$5,000 to help prepare some really fine television tapes that were filmed and shown in California in the 1950s. Dr. Nixon was instrumental in having these produced originally and I think it would be really good if copies could be made, to be distributed to local sections and to the Beckman Center. Of course we all understood that the showing of these tapes would have to be accompanied with a very strong caution about the need for safety in the laboratory.

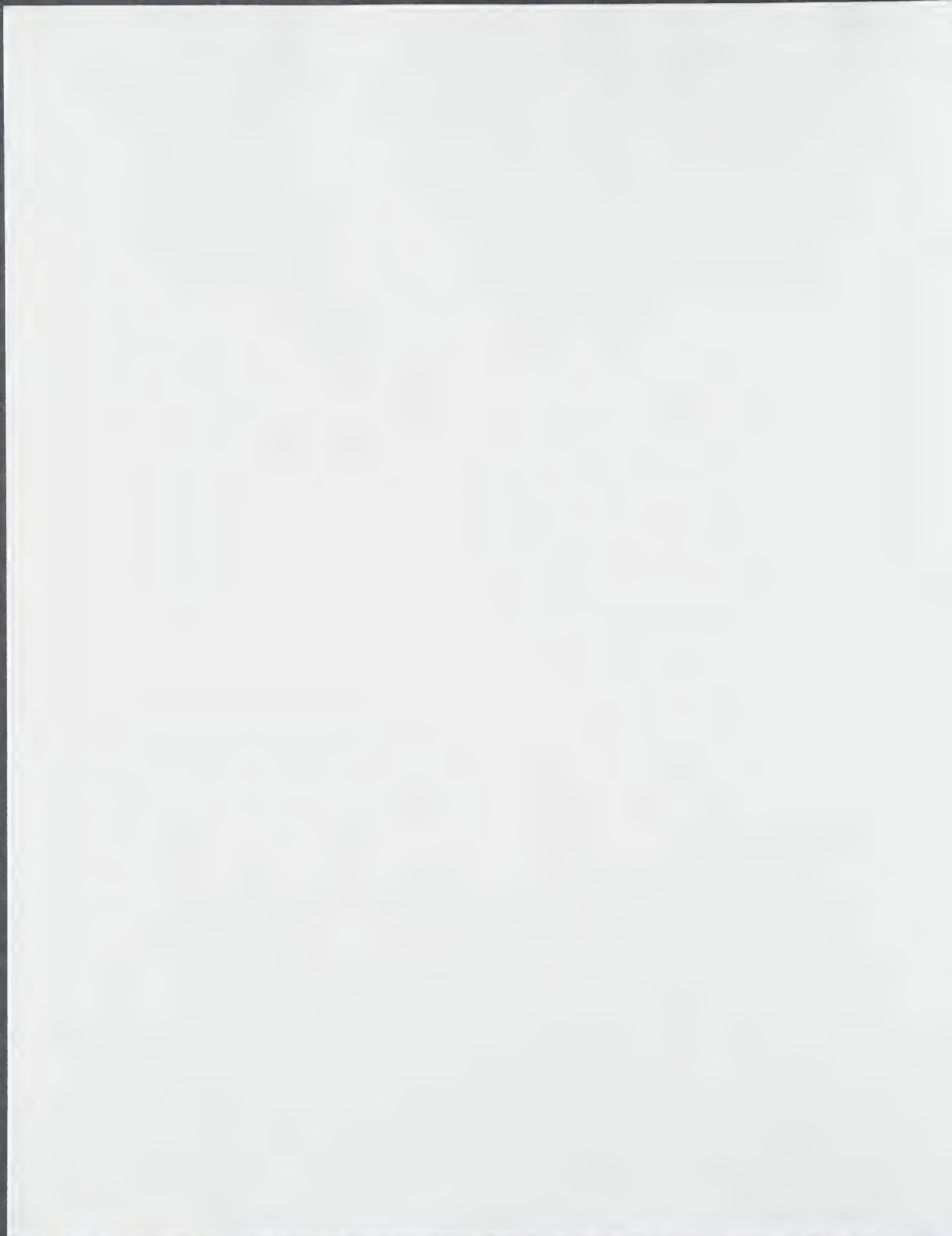
In any case I much look forward to hearing from you about both matters and remain, with wishes for 1998,

Yours sincerely,

AB/nik

Enclosure

cc: Alan Nixon
Al Heininger





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

A Chemist Helping Chemists

November 3, 1997

Ms. Pamela J. Ayre
Acting Director
Development Office
American Chemical Society
1155 Sixteenth Street, N.W.
Washington, D.C. 20036

Dear Ms. Ayre:

Thank you for your letter of October 3rd with the *Chemunity News* detailing the background of the 10 students who received the \$5,000 Project SEED scholarships.

Could you please clarify one point? Our understanding was that these scholarships would go to students who had completed Project SEED II, because it seems likely that Project SEED II students would have a better chance of success at college than students who had only completed one year. Yet, of the 10 students who received the scholarships only one, LaShinda Bois, was a summer II Project SEED student.

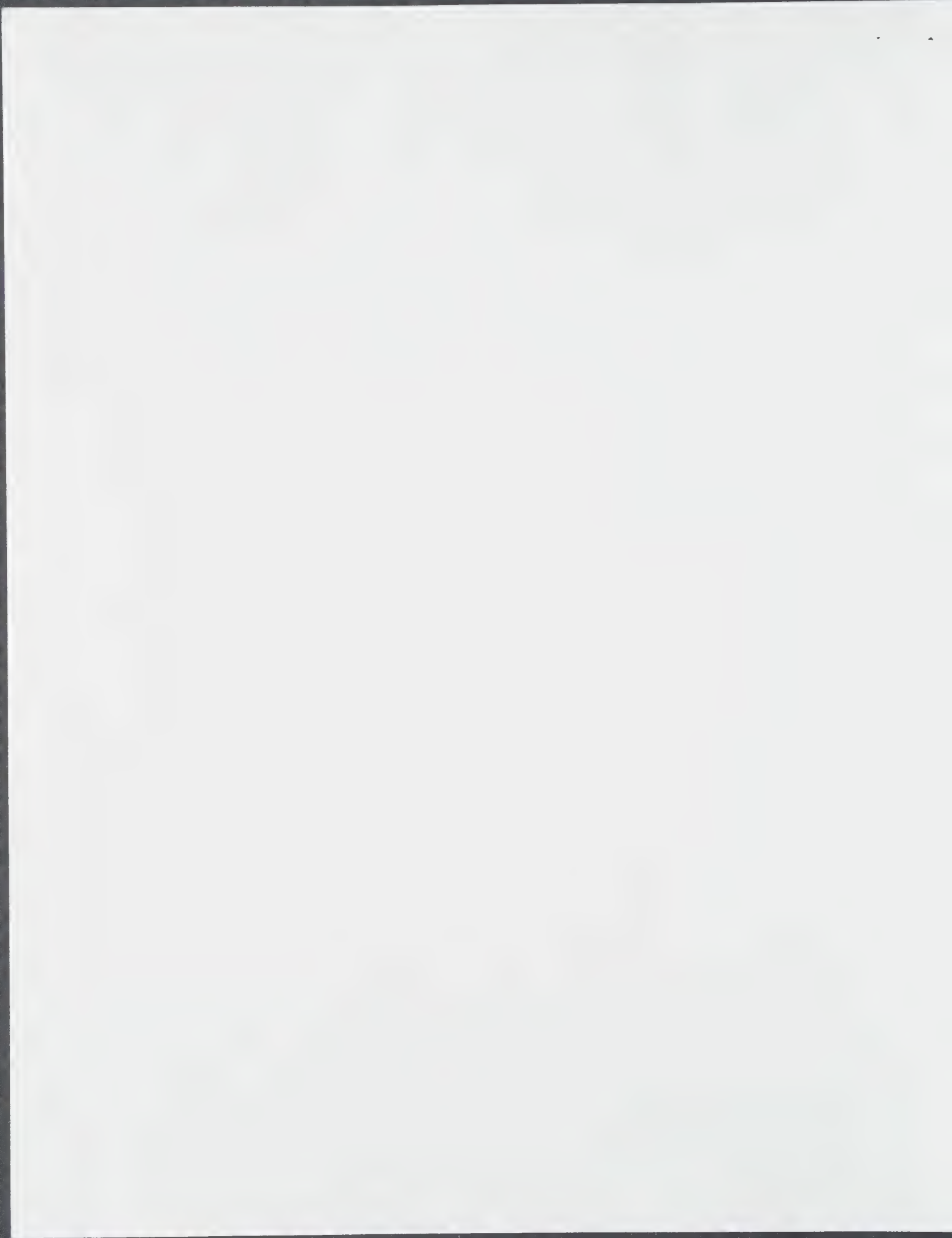
Perhaps lack of time in 1997 prevented your finding enough Project SEED II students to receive the scholarships or perhaps you feel that Project SEED I students are as deserving and as likely to succeed as Project SEED II students.

Please do discuss this with the ACS Project SEED team and let me know.

With all good wishes, I remain,

Yours sincerely,

AB/nik





American Chemical Society

DEVELOPMENT OFFICE

1155 SIXTEENTH STREET, N.W.
WASHINGTON, D.C. 20036
Phone (202) 872-4094

October 3, 1997

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

Dear Dr. Bader:

It was a pleasure to see you at the ACS National Meeting in Las Vegas. I would like to express again the thanks of the Committee on Project SEED for your \$5,000 gift in support of the Project SEED College Scholarship program. Your generous gift has made it possible for more Project SEED graduates to work toward their post-secondary education goals.

As you already know, your gift was matched, dollar for dollar, by the Society's matching gift program, which made it possible to award two Bader Scholarships to deserving SEED graduates for this academic year. The Project SEED graduates selected by the Committee to receive these scholarships are **Ms. Ingrid Wahjudi**, a freshman at Southern Adventist University in Tennessee, and **Mr. Terry Teenier**, a freshman at Delta College in Michigan.

These students were highlighted in the August 1997 issue of Chemunity News. I'm enclosing a copy of this issue for you. Please refer to pages 13 and 14.

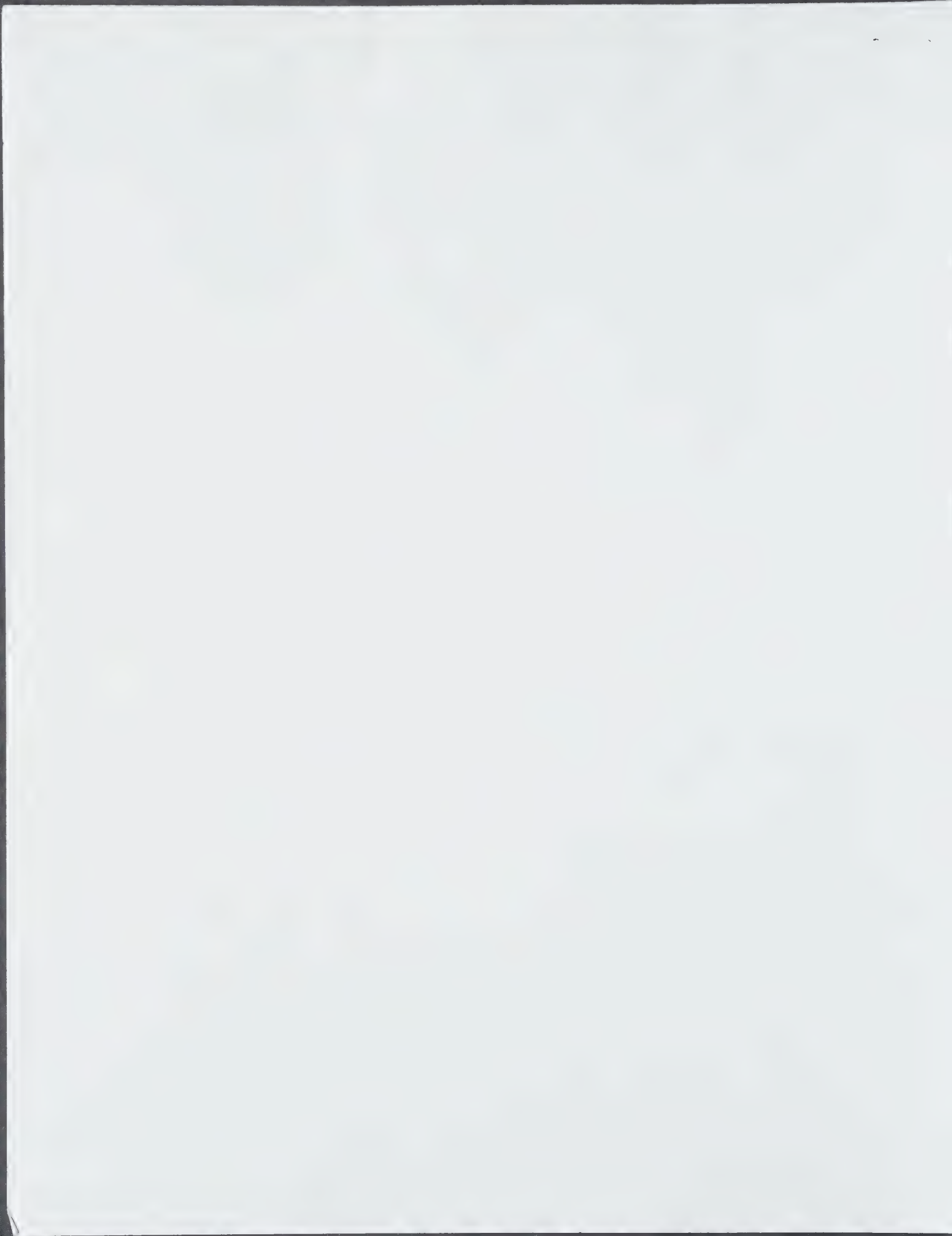
I'm certain these students are very grateful for the kindness and support that you have provided. Please don't hesitate to contact me if I can provide additional information or answer any questions you may have.

Sincerely,

A handwritten signature in blue ink that reads "Pamela J. Ayre".

Pamela J. Ayre
Acting Director

cc: Herbert B. Silber
Christine B. Brennan





American Chemical Society

Jennifer H. D'Elia
Director of Development

1155 SIXTEENTH STREET, N.W.
WASHINGTON, D.C. 20036
Phone (202) 872-4080

July 2, 1997

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, WI 53211-3435

Dear Dr. Bader:

On behalf of the American Chemical Society, I am pleased to provide you, as a member of the Priestly Donor Society and a special friend, with the Summer 1997 issue of *The American Benefactor*.

This issue of *The American Benefactor* focuses on a diverse group of men and women, including two Silicon Valley whiz kids, an elementary school volunteer, and a first lady. Their stories illustrate the challenges and rewards of a strong commitment to philanthropy.

The story in this issue by Lynn Schnurnberger, "When Donors Become Mentors," highlights the importance of mentoring programs. Such programs help keep students on the path to academic and professional success.

Indeed, mentors are the key to ACS Project SEED. Project SEED pairs economically disadvantaged high school students with volunteer scientists in academic, governmental, and industrial laboratories. The students work with their scientist mentor on a hands-on research project for eight to ten weeks during the summer. ACS covers all operating costs for this program, while the generosity of donors provides stipends for these students who need a summer income.

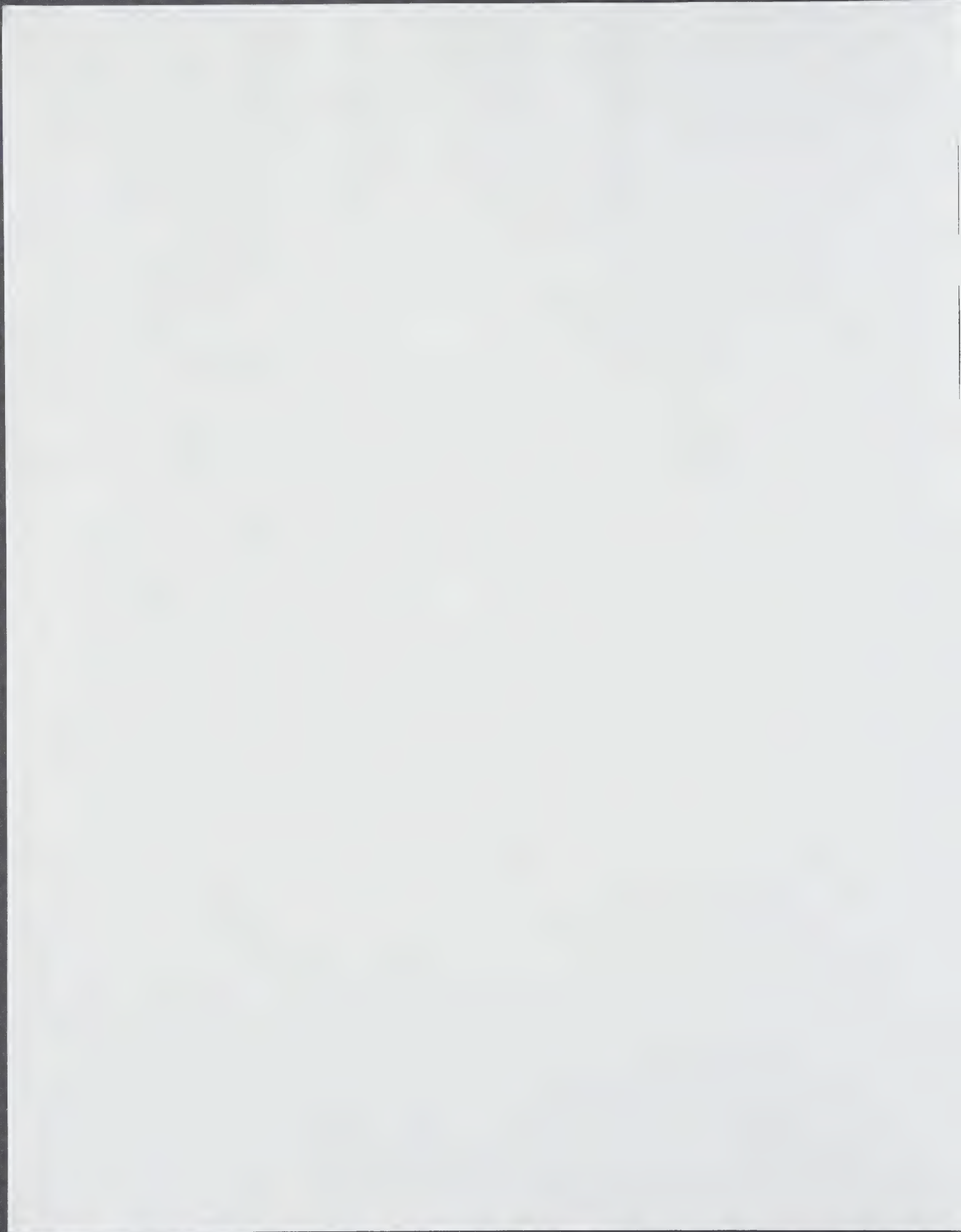
This issue also covers controversies such as the scandal at Adelphi University, and the outcome of Jackie Onassis' will. The special section, "Washington Wire," compares the personal giving record of influential members of Congress with their opinions on cuts in federal support for science, the arts, and programs for the poor.

We hope that you enjoy this issue of *The American Benefactor*. Should you have any comments or questions, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads "Jennifer".

Enclosure





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

A Chemist Helping Chemists

September 15, 1997

Ms. Sandra Nixon
Office Manager
Calsec Consultants, Inc.
Wells Fargo Building
2140 Shattuck Avenue, Suite 511
Berkeley, CA 94704

Dear Ms. Nixon:

My reply to your interesting letter of September 3rd has been delayed because you addressed it to the Foundation. Of course the material was forwarded to me, but delayed. Please note my address.

I am delighted to see Drs. Nixon and Sello's happy introduction.

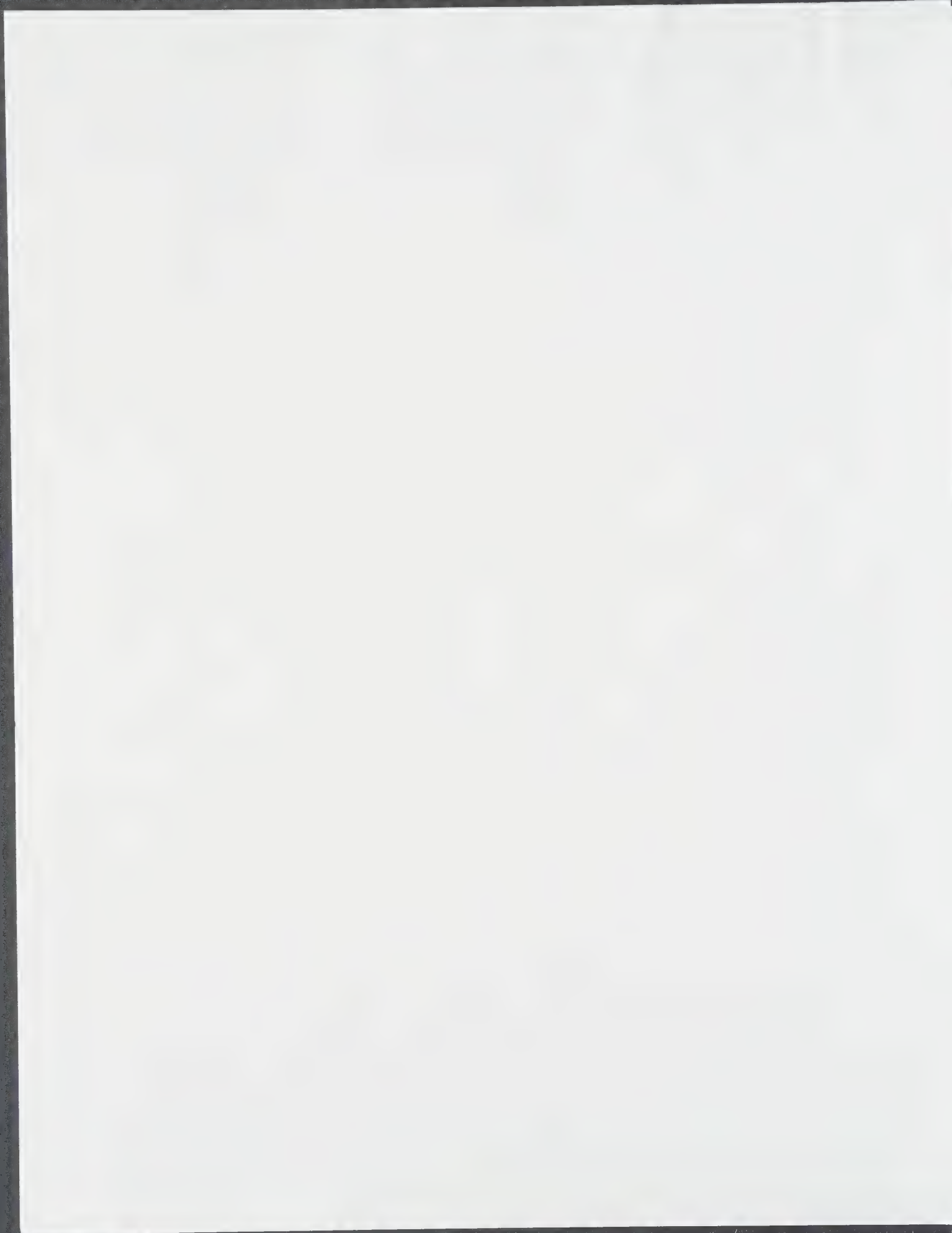
I hope that the ACS in Washington will soon be able to tell me that all is in order and that I can send them my cheque for \$5,000 to cover the cost and distribution to the ACS and to the Chemical Heritage Foundation.

With all good wishes to you and Drs. Nixon and Sello, I remain,

Yours sincerely,

AB/nik

bc: project SEED
Arnold Thackeray



California Section American Chemical Society
Senior Chemists Committee

CALSEC CONSULTANTS, INC.

Wells Fargo Building
2140 Shattuck Ave., Suite 511
Berkeley, CA 94704
Phone/Fax: 510 848-0513

September 3, 1997

The Helen & Alfred Bader Foundation
777 East Wisconsin Ave.
Ste. 3275
Milwaukee, WI 53202

Re: "Tempest in a Test Tube"

Dear Dr. Bader:

The Introduction to Tempest in a Test Tube -- including comments regarding safety precautions -- has now been completed and put on video. Dr. Nixon wanted you to have a copy of the audio portion.

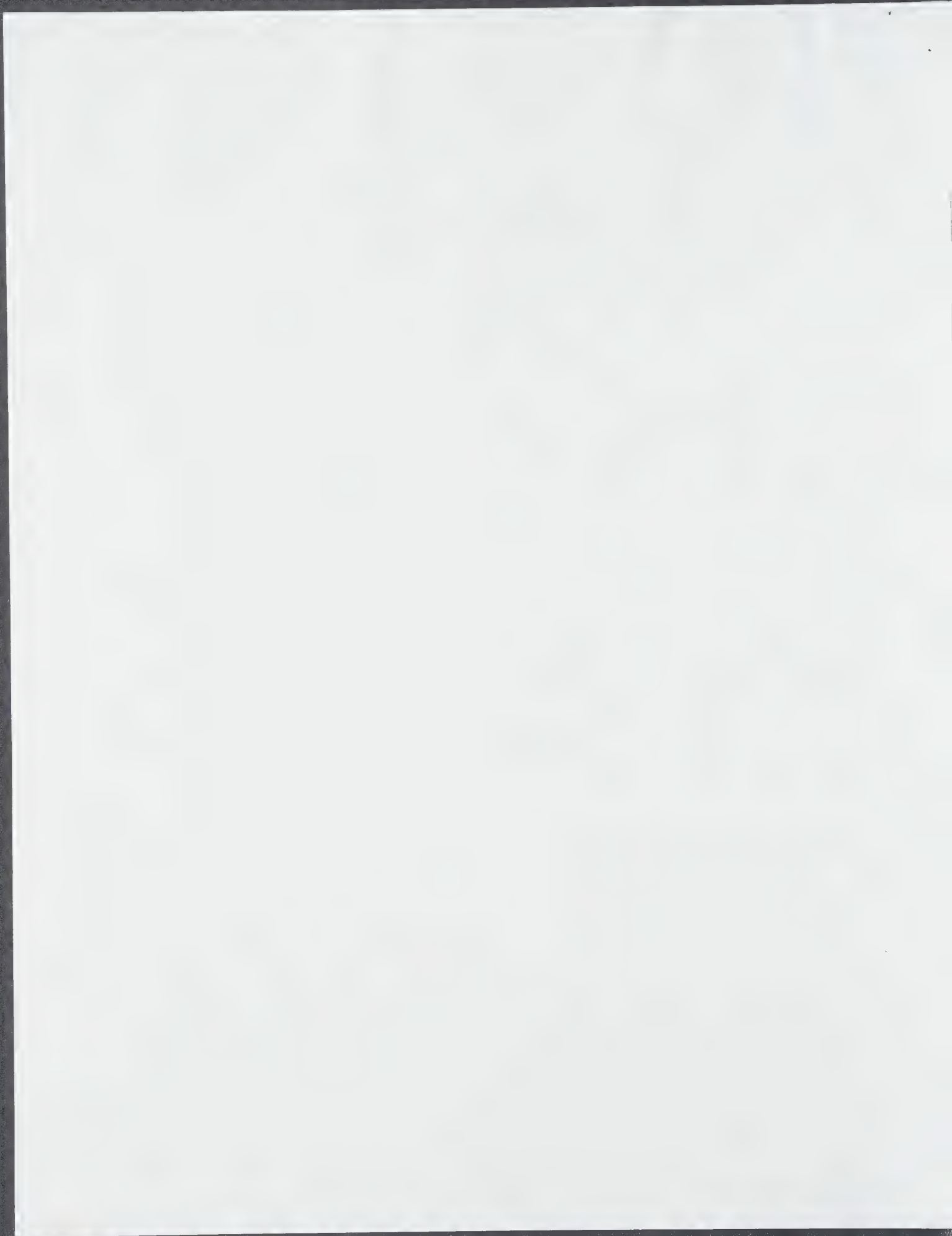
Also enclosed is the handout that will be distributed at the Exhibit Booth at the Las Vegas conference next week. (It differs only in crediting Shell Development and Chevron Reserach for their help with the original "Tempest".)

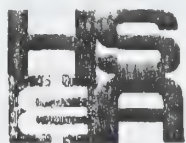
Sincerely,



Sandra Nixon
Office Manager

enc.





HARRY SELLO & ASSOCIATES
3000 SAND HILL RD., BLDG. 1, STE. 200
MENLO PARK, CALIFORNIA 94025
415/854-8880 • FAX 415/854-8882

"TEMPEST IN A TEST TUBE"

INTRODUCTION

This is Harry Sello. It is my pleasure to introduce "Tempest in a Test Tube" -- a television show which made its debut August 24, 1955 on KQED, Channel 9 -- the educational station for the San Francisco Bay Area.

"Tempest" was a series of 53 half-hour shows pioneering a new approach, in which I, as lecturer-demonstrator, gave live, unrehearsed, presentations of a series of chemical experiments. These were designed to illustrate basic simple chemical principles. The purpose was to stimulate an interest, in chemistry, by teenaged students and adults. The talks and experiments had to be entertaining, educational and simple. Spontaneity and liveliness were key to the approach.

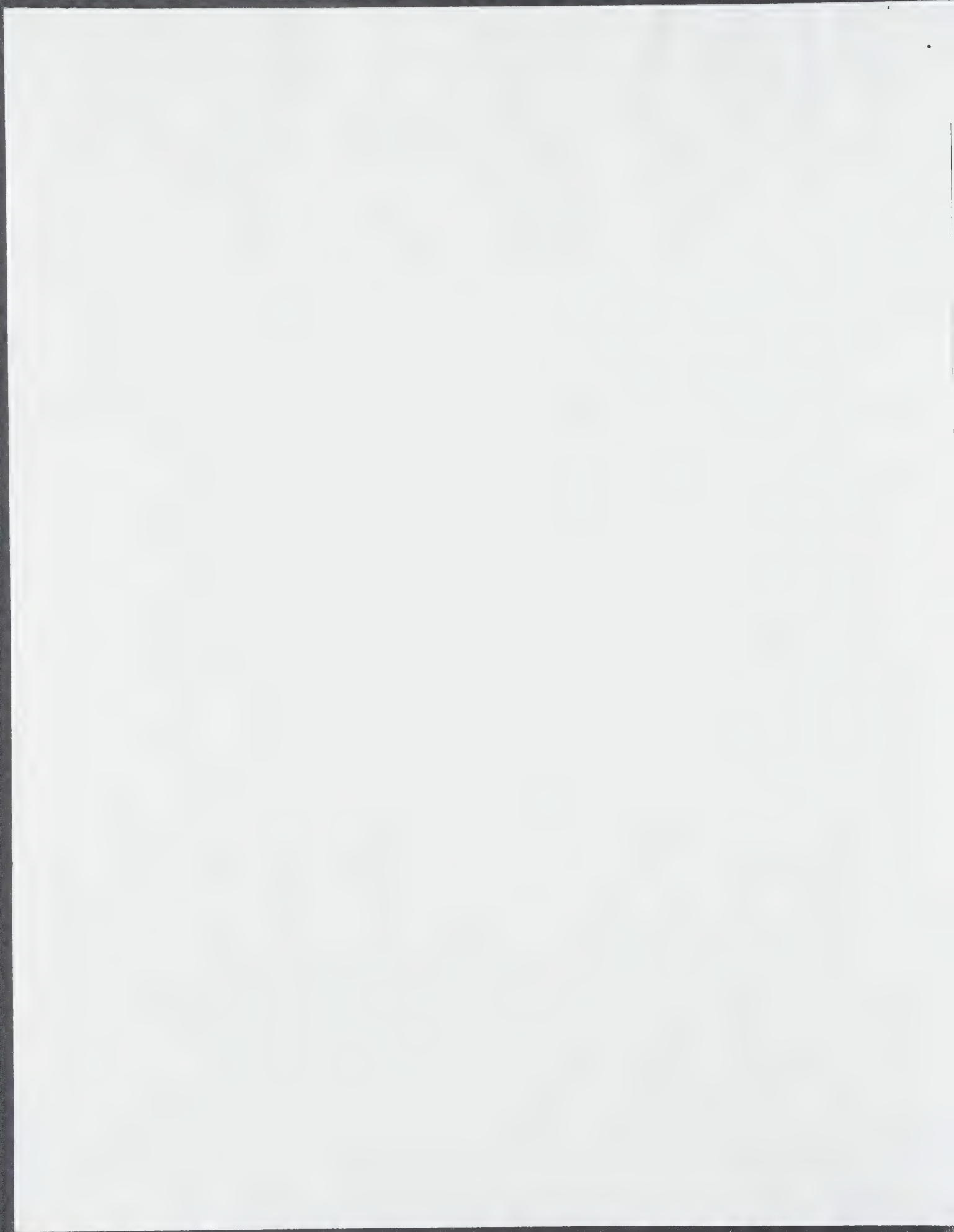
All the experiments used were designed and constructed by members of the California Section of the American Chemical Society. The participants were employed by the Shell Development Company, Emeryville and Chevron Research, Richmond. A grant of \$52,000 from the Ford Foundation and National Educational Television permitted the filming of the first 24 shows of the series.

The management for the ACS consisted of Alan Nixon, Section Chair, Fred Stross, TV Committee Chair, myself as first MC, and Aubrey McClennan, second MC. We, four, constitute the core of the present committee.

The series was extremely popular with KQED viewers of all ages. The Senior Chemists Committee of the California Section is determined to revive "Tempest" for the benefit of elementary and high schools, adult education classes, ACS local sections, historical archives, TV stations and similar organizations. We believe in "Chemistry as a second language."

While basic principles have not changed, practices have. Forty-two years ago, such simple chemical demonstrations were not treated with the degree of safety considerations that they are today. Today, even such simple demonstrations would be carried out with the proper regard for safety glasses, shields, protective gloves, laboratory coats, and visible fire extinguishers. The principle of "safety first" would be explicitly present, as part and parcel of a modern "Tempest in a Test Tube."

Rev. (final) 8/28/97



California Section American Chemical Society
Senior Chemists Committee

Wells Fargo Building
2140 Shattuck Ave., Suite 511
Berkeley, CA 94704
Phone/Fax: 510 848-0513

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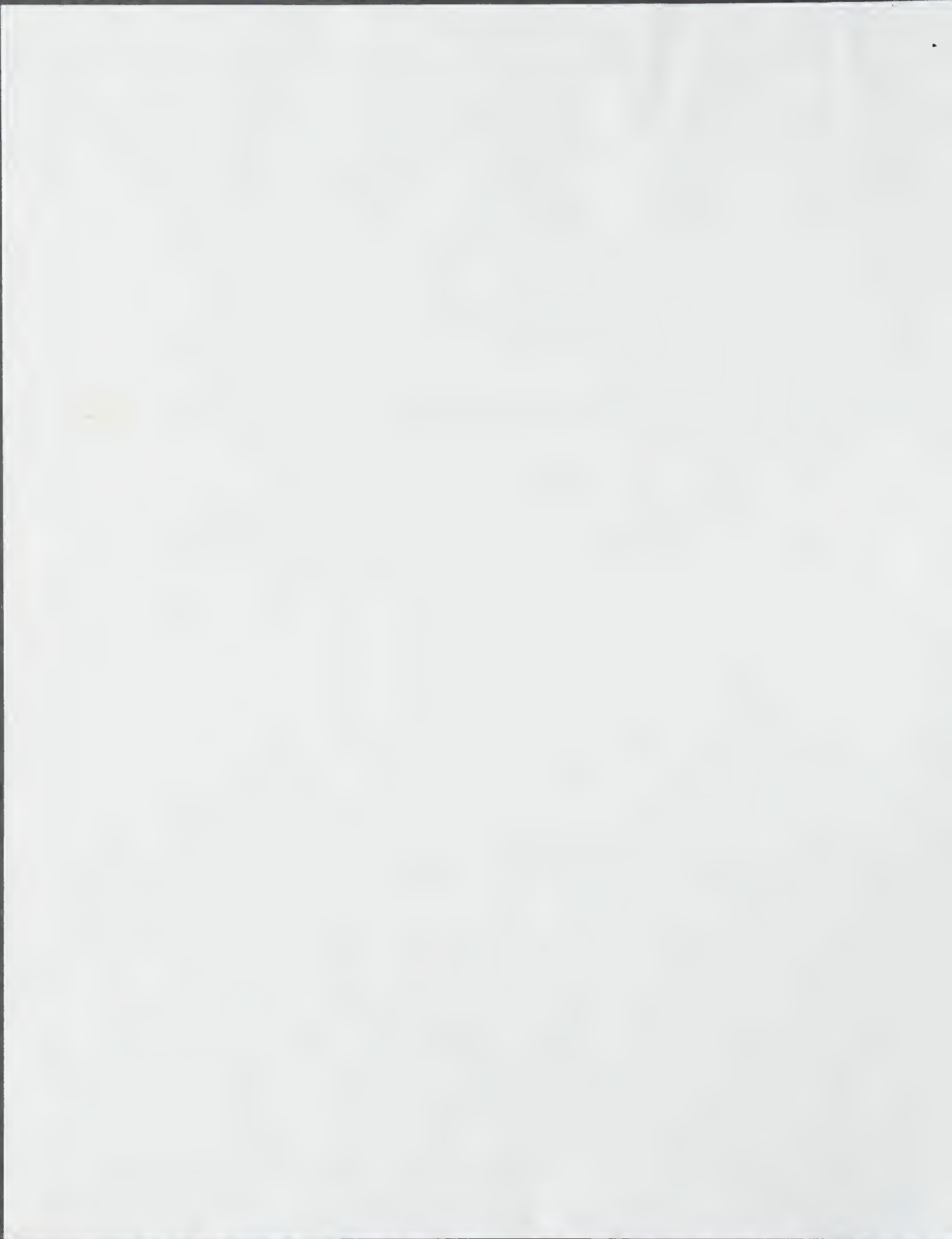
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Harry Sello

Alan Nixon

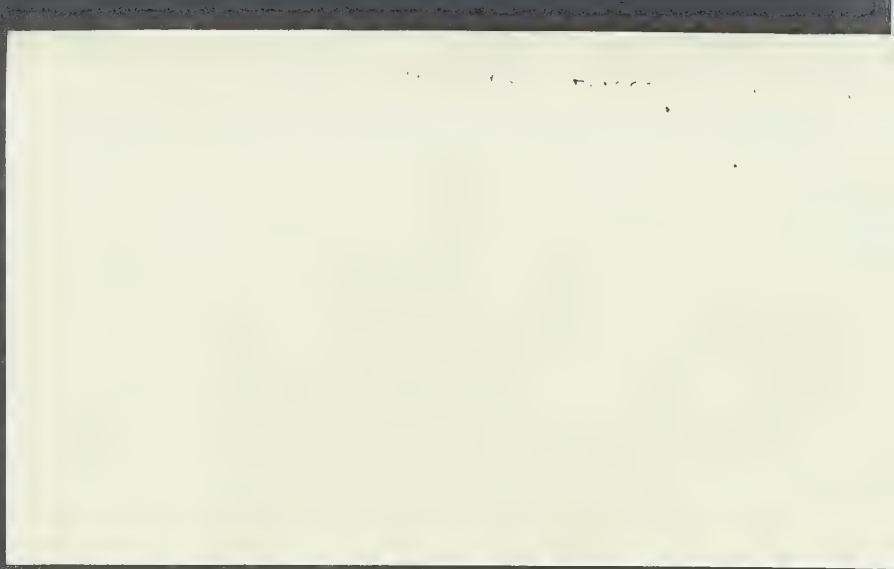


fax this copy.

Eliel - 919/962-2388

Nixon - 510/848-0513

Thackray - 215/925-1954





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

A Chemist Helping Chemists

June 3, 1997

Via Fax: 202/872-6337 and U.S. Mail

Ms. Jennifer H. D'Elia
American Chemical Society
1155 Sixteenth Street N.W.
Washington, DC 20036

Dear Ms. D'Elia:

Thank you for your call this morning advising me that there are only two students right now who can be given the Project SEED scholarships. Thus, as promised, enclosed please find my check for \$5,000 to be matched by the ACS so that each of these two students will receive \$5,000 scholarships.

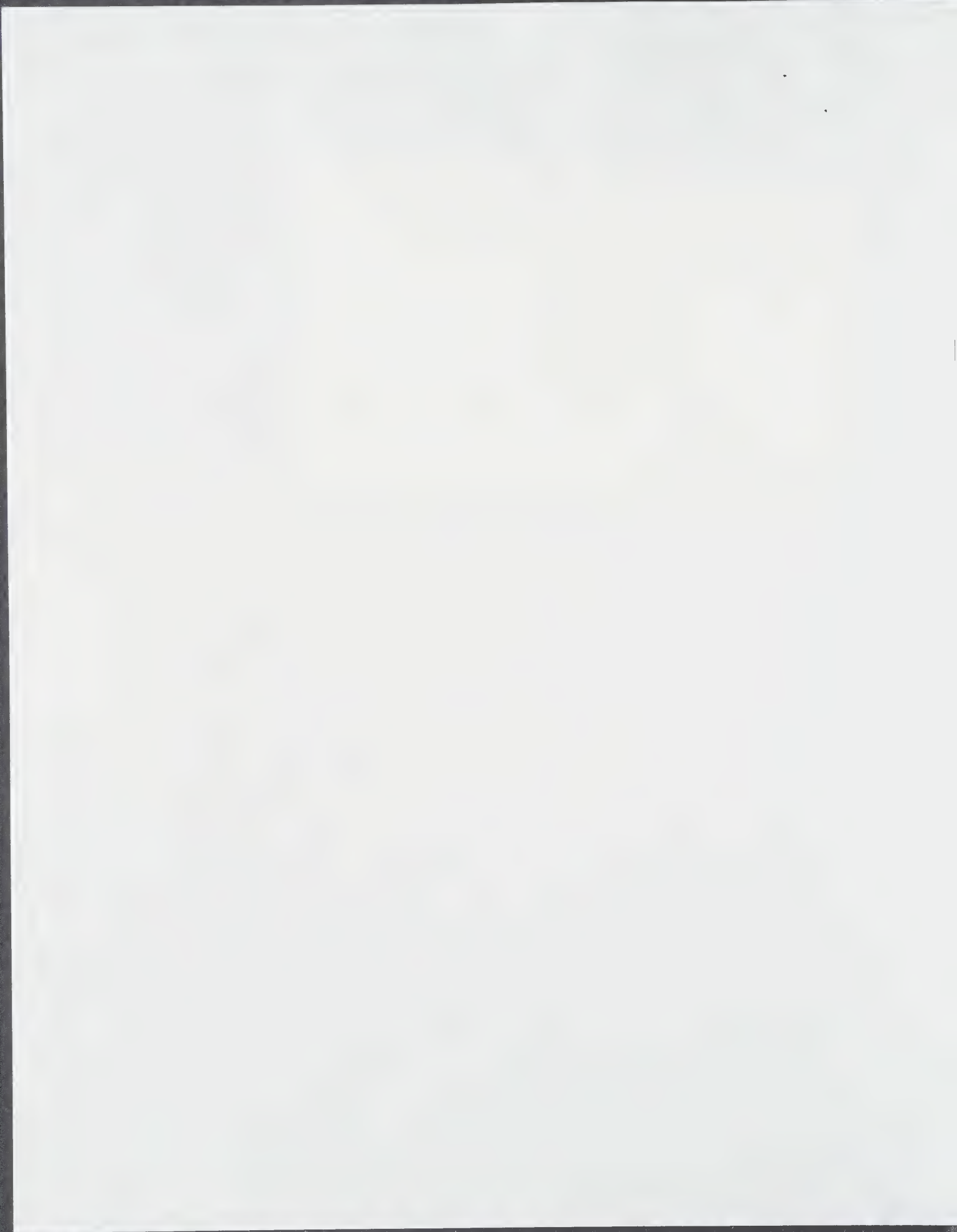
You also have my assurance that Isabel and I look forward to funding up to 20 Bader Project SEED scholarships for next year. That will involve our giving up to \$50,000 to be matched by the ACS.

You have seen Dr. Alan Nixon's encouraging fax which I received yesterday.

I would like to confirm that we would like to give the ACS up to \$5,000 to fund the production and distribution of this exciting set of tapes. I was happy to note that Harry Sello is willing to prepare a cautionary introduction.

As you know, I am not certain whether the tapes can safely be sent to high schools, even with a cautionary introduction, but there is no question in my mind that they would be very useful at the local sections and would also be of great interest at the Beckman Center for the History of Chemistry.

Thank you for being willing to work with Dr. Nixon and Harry Sello whose enthusiasm is really so infectious.



Ms. Jennifer H. D'Elia
June 3, 1997
Page 2

As soon as the details are worked out, I will be happy to send you my check for \$5,000.

With all good wishes, I remain,

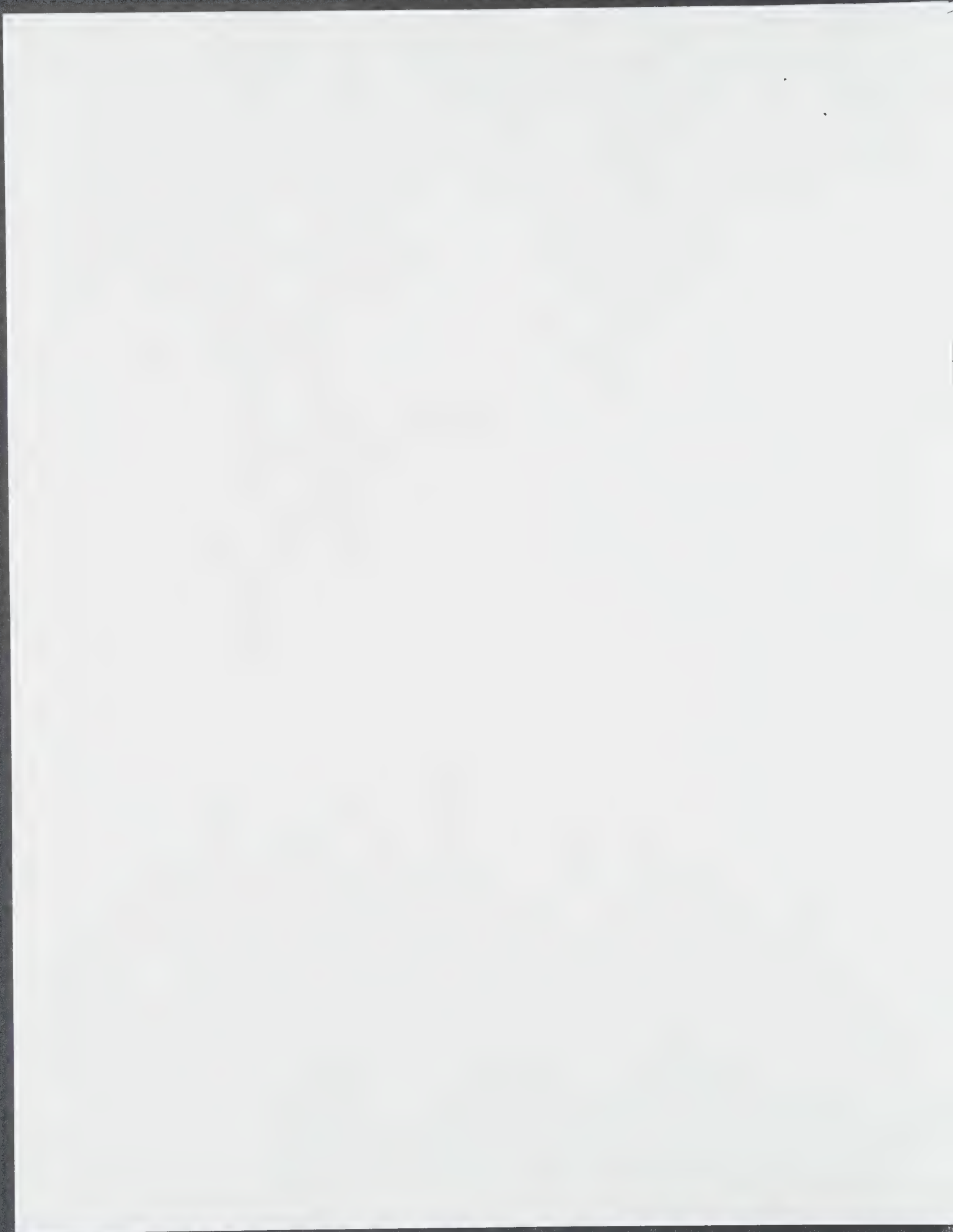
Yours sincerely,

AB/cw

Enclosure - \$5,000 for Project SEED scholarships

c: Professor Ernest Eliel (via fax; w/encl)
Dr. Alan Nixon (via fax)
Dr. Arnold Thackray (via fax)

Best wishes
Aqua





CALSEC CONSULTANTS, INC.

Wells Fargo Building, 2140 Shattuck Avenue Suite 511, Berkeley, CA 94704
Phone/Fax: (510) 848 0513

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

May 19, 1997

Dear Alfred:

Received 5 pm June 2

Thank you for that very uplifting letter of April 28. It was very encouraging.

I'll answer some of the questions you asked. I agree a number of copies should be made. We have received clearance from 13-WNET (who owns the copy rights) that we can make any number of copies as long as they are non profit. The only problem was that they limit the territory to CA. But, I just talked to Joe Basils at 13-WNET and he has agreed to expanding the territory to North America. He will send a letter to that sense. *(we have received it.)*

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My wife Louise, joins me in expressing our best wishes to you and Isabel. She enjoyed the letter but expressed some doubts about the cloning bit.

As ever

Alan

Alan C. Nixon

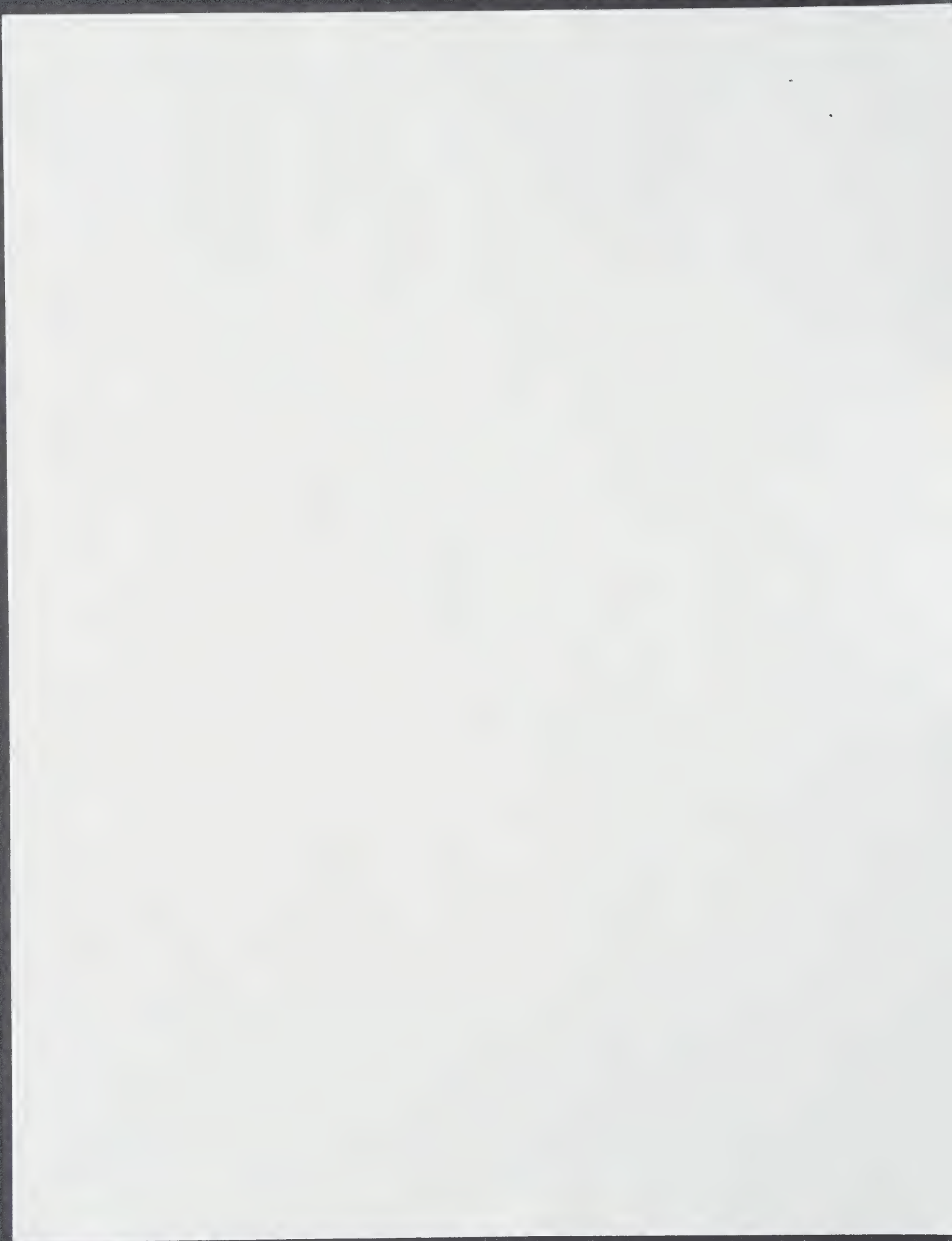
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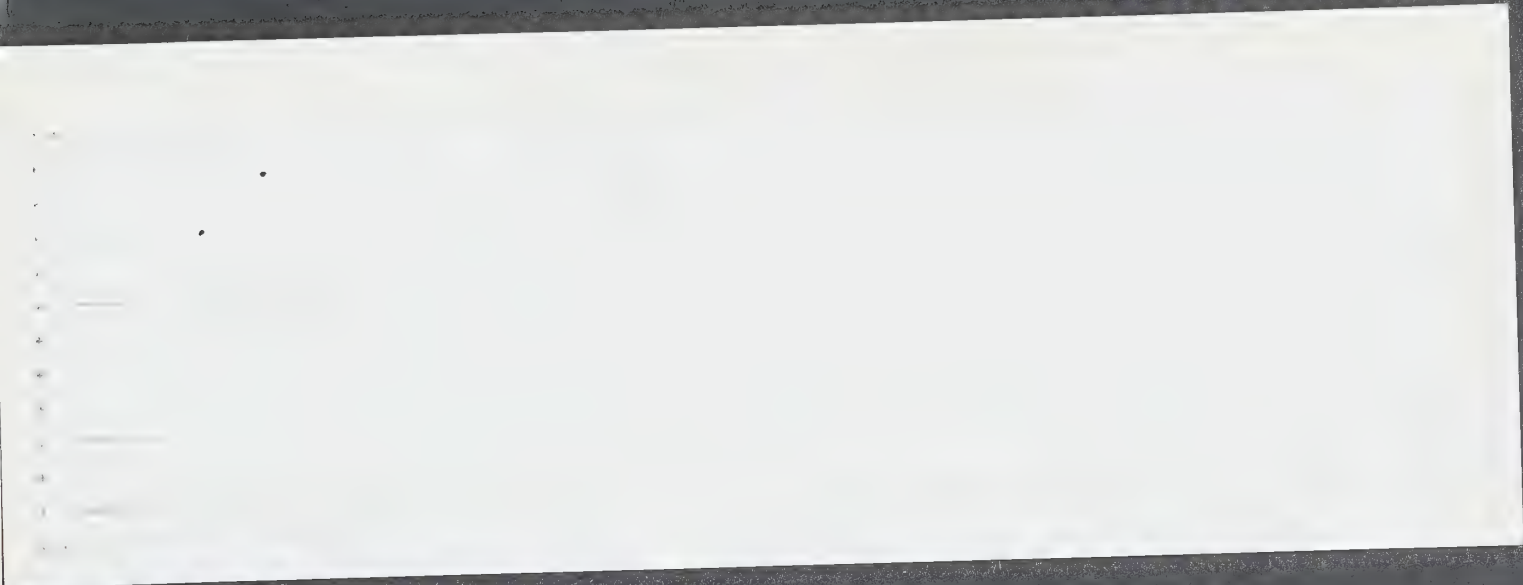
cc: Fred Strauss

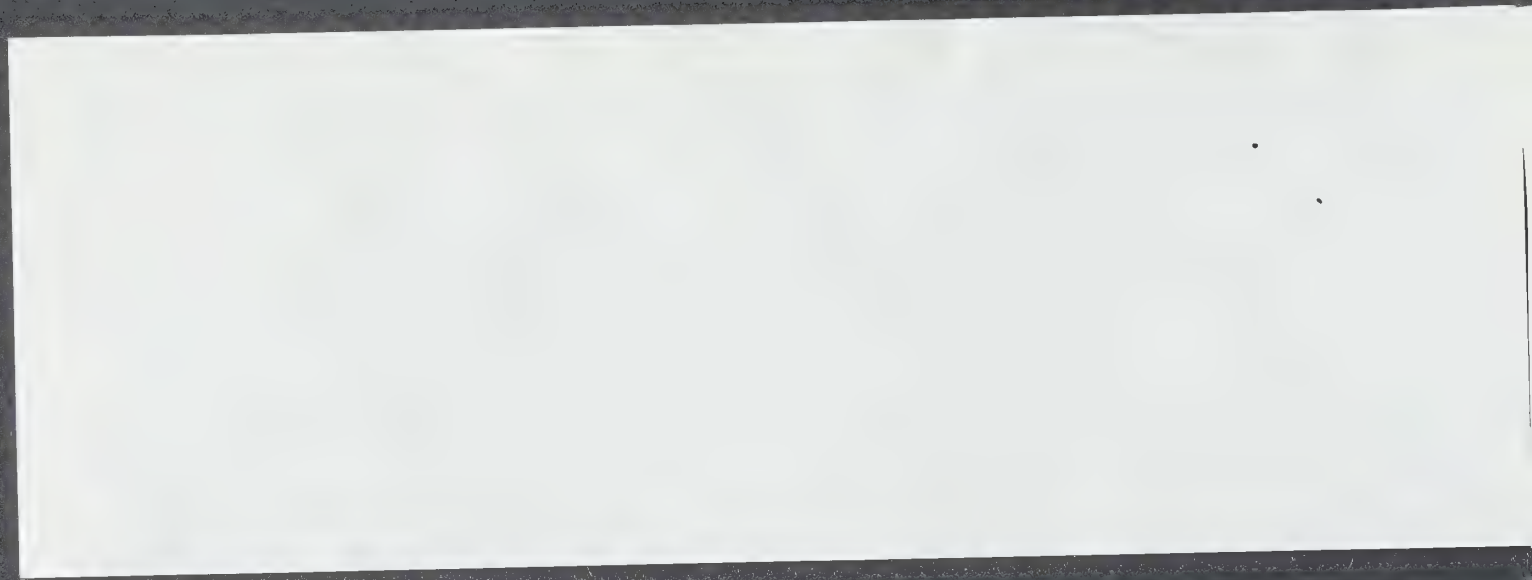
A. McClennan

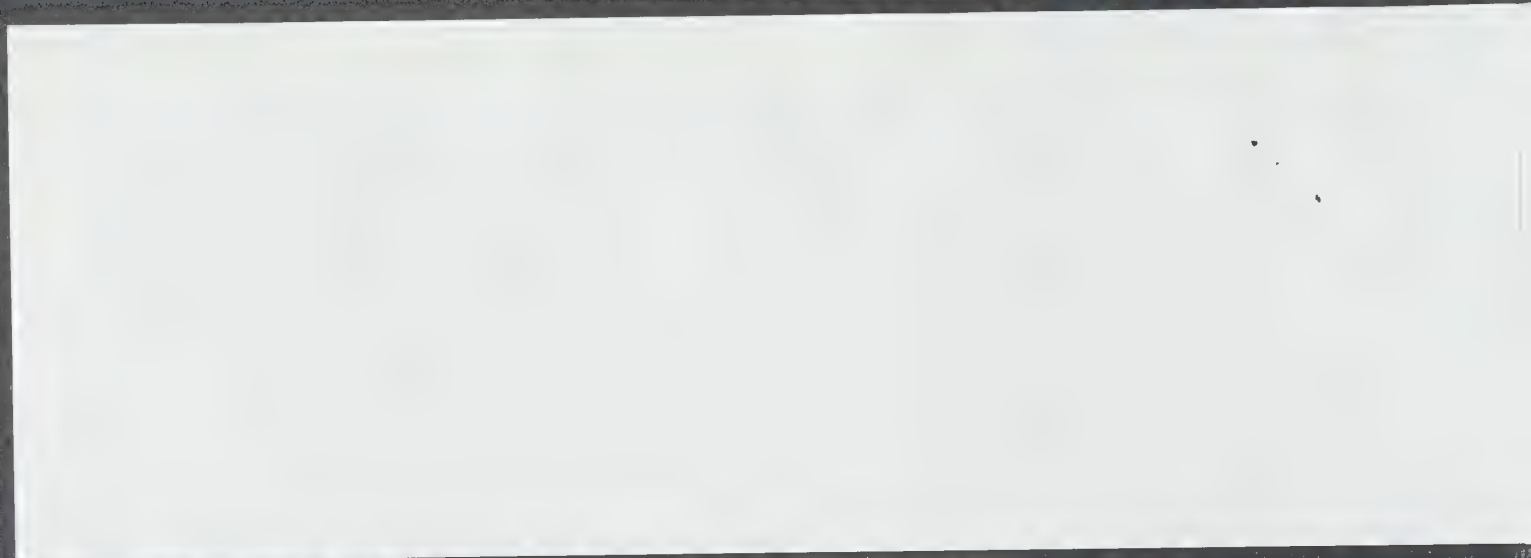
*To Prof. E. Eichel
Dr. A. Thackray
for your info.*

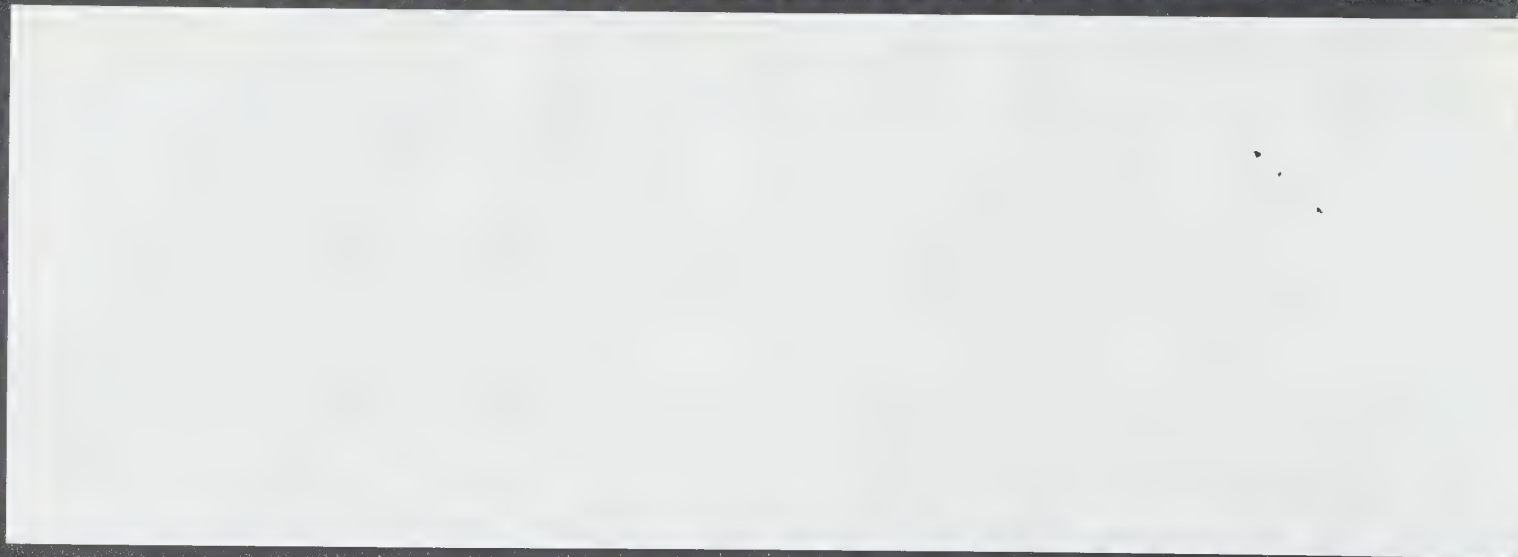
*To Ms Jennifer D'Elia
Please discuss
Good Day
June 3 97*

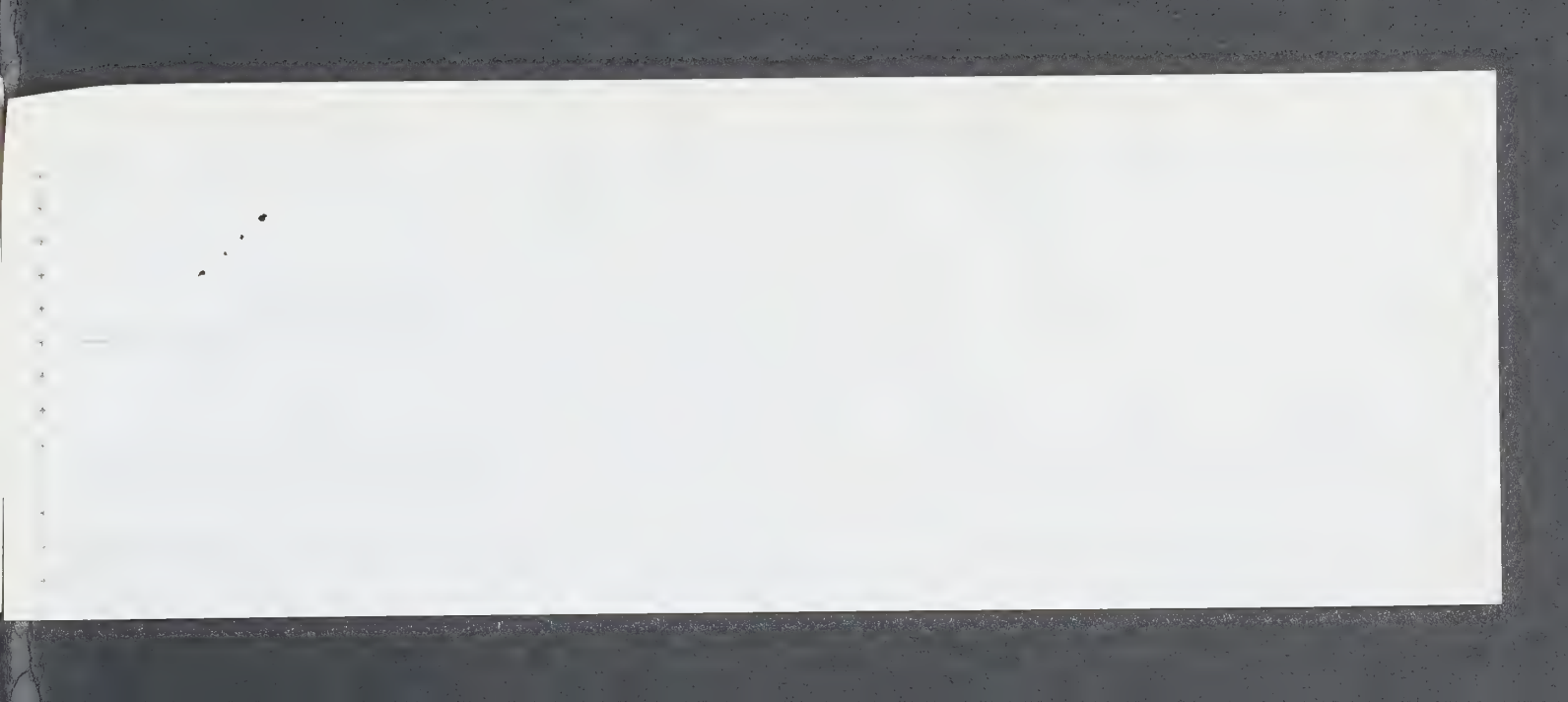


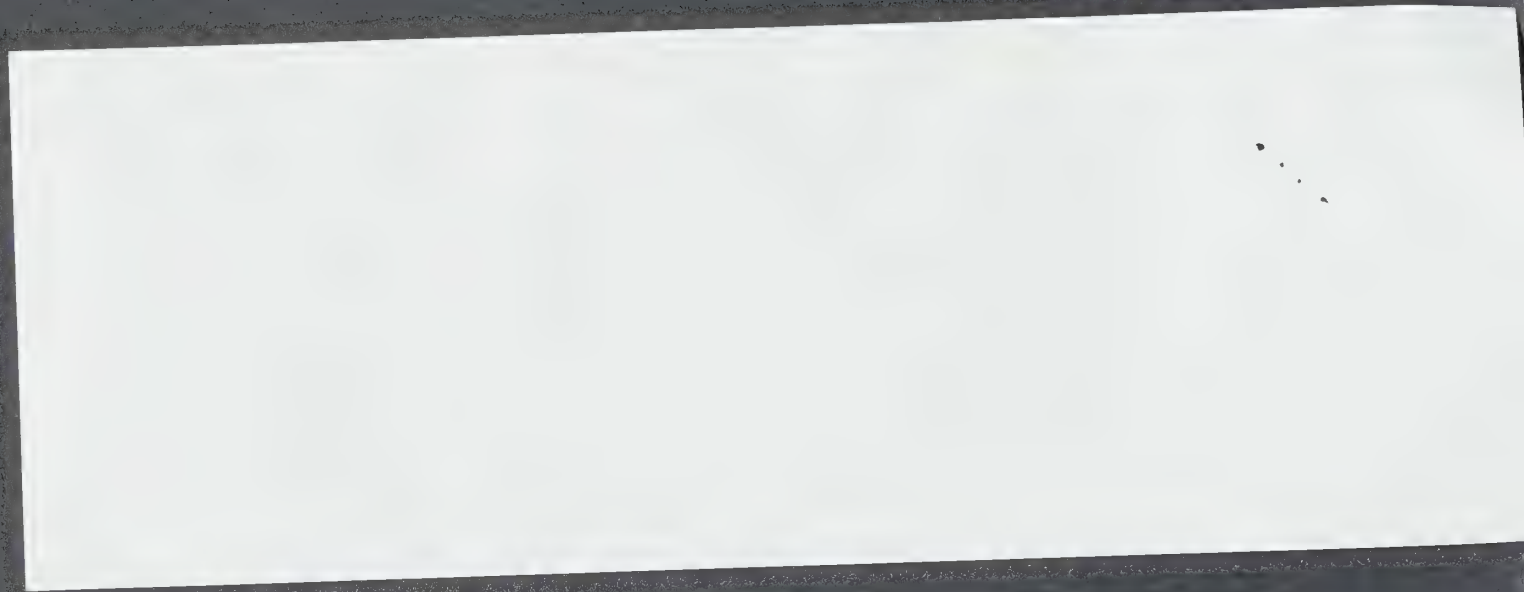














American Chemical Society

1155 SIXTEENTH STREET, N.W.
WASHINGTON, D.C. 20036

May 3, 1997

*copy to
James Bader*

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

Dear Al,

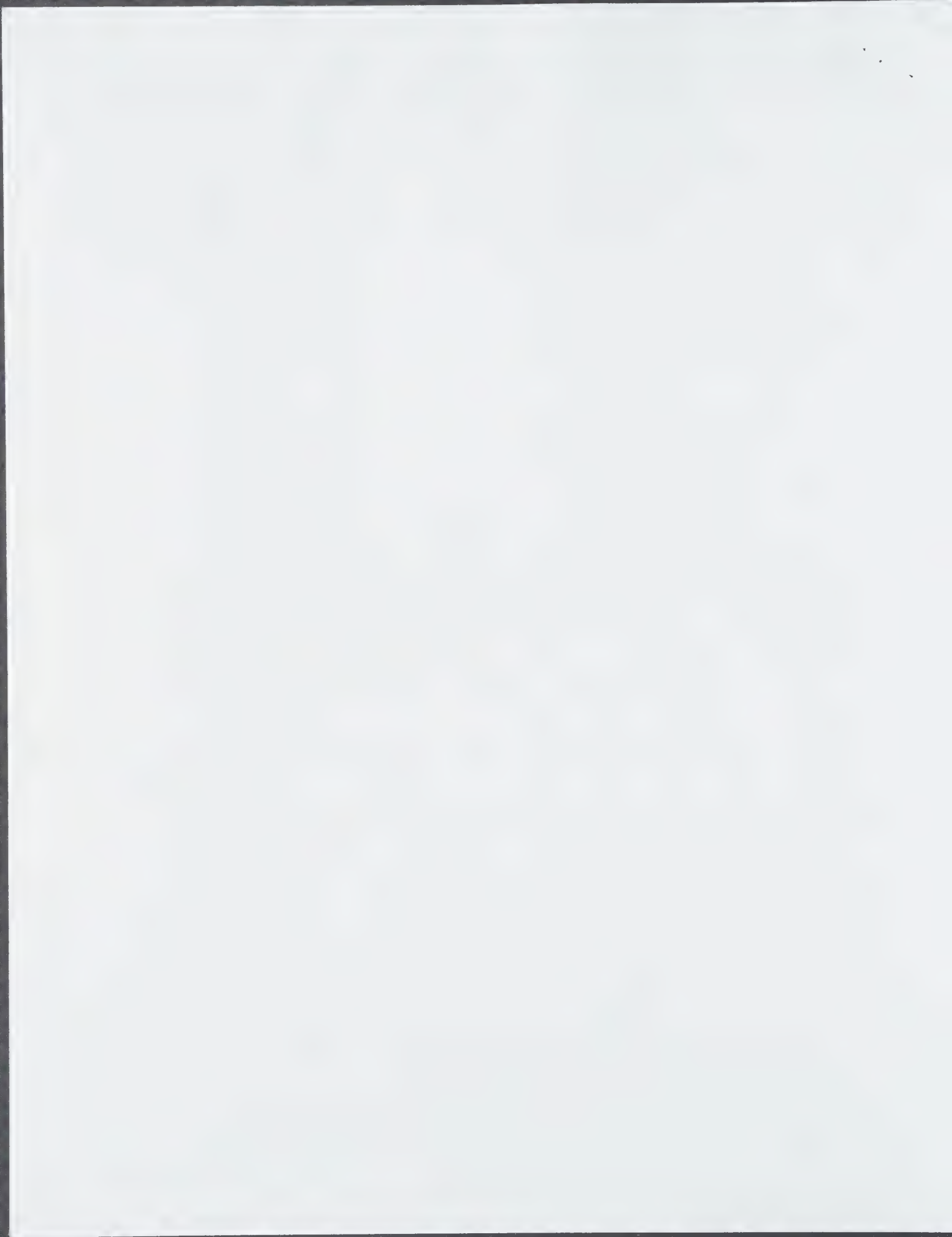
This letter is a follow-up to the conversation we had before the Awards Dinner in San Francisco in which you expressed an interest in donating additional funds to Project SEED, this time for college scholarships.

Let me, first of all, again express our gratitude for your most generous past launching of SEED II, at the suggestion, as I understand it, of our late friend Paul Gassman. SEED II continues to be a success. As you may know, the ACS Board decided to ensure that SEED II would continue once the Bader family money was expended. SEED II is partially funded by ACS through 1999. So far, the ACS funds along with support from other funders has enabled us to provide a SEED II experience to every qualified SEED student who wants to participate a second summer.

I believe the experience of the second year in a stimulating, chemically-oriented, scientific environment is very effective in suggesting to the SEED participants that they might profitably follow a science-oriented career. The increase in the summer stipend for SEED II students reinforces this. Also, many of our best SEED I students are offered industry internships that pay more than our SEED II program.

The SEED college scholarships are the next step in this progression. Students who have had either one or two successful years in the SEED program may be deterred by the cost of college. They may either pass it up altogether (which would be quite unfortunate in the case of those who have the ability to succeed) or may settle for a two-year degree, which is, in my opinion, only a second-best solution. Knowing that \$5,000 college scholarships are available specifically for SEED students is, in my view, a powerful impetus for these underprivileged youngsters to apply to college. It is a wonderful opportunity for them to pursue science careers and to elevate themselves out of the poverty in which they were raised. This is the most cogent argument in favor of SEED scholarships.

The same end would not be achieved by giving successful SEED II students a \$1,000 "prize," an option which Herb Silber discussed with you. (We apparently disagree, in this respect, with Herb for whom, in general, I have high regard.) Herb's argument that the scholarship money does no good because the college will simply deduct this amount from the total financial aid package is, in my opinion, not the point (although it might be true).



First of all, the most direct effect of a SEED scholarship is to persuade the recipient to apply to college—something he or she might not do in the absence of this stimulus. Most SEED recipients come from families where going to college is not the obvious thing to do. In fact, absent financial inducement the family might expect their child to begin earning money after graduating from high school.

Secondly, part of the aid package provided by most colleges involves part-time work. Such work detracts from time available for study and may stand in the way of academic success. The \$5,000 SEED scholarship, for which the recipient does not have to do outside work, will be of immense help to the student regardless of what else the college aid package entails.

I believe (and I have discussed this both with Sylvia Ware, Director of our Education Division and with Jennifer D'Elia, Head of the Development Office) that \$5,000 SEED scholarships have real impact and that \$1,000 prizes would not. You may be aware that in 1997, 1998 and 1999, (i.e. during the projected duration of the ACS's Challenge 2,000 program) any contribution to Project SEED which is \$2,500 or more will be matched by ACS. This actually gave me the impetus to give last year and again this year.

There is no lack of qualified SEED applicants for the freshman year scholarships available—only of funding. In 1996, 50 SEED students applied and six SEED scholarships were funded; in 1995, 48 applied and five were funded; in 1994, 53 applied and three were funded. For the 1997-98 academic year, 60 applied and we have funding for seven \$5,000 scholarships. Two of these will not be renewed by the corporate donors for 1998-99 academic year due to a restructuring of their contributions programs; another two will not be available since they were ACS matches of the two corporate gifts.

I hope that you will consider funding 20 SEED Scholarships per year for three years, i.e. providing \$100,000 per year for three years. This will be matched by ACS and provide an additional 20 scholarships per year. Over three years, with your support and the ACS match we can award 120 SEED students a \$5,000 scholarship for their freshman year. These scholarships can, of course, be named Bader Project SEED College Scholars. Moreover, since these scholarships would be part of Project SEED, ACS would assume all administrative costs in awarding them. I would be most happy to discuss this subject with you further as, I am sure, would Jennifer D'Elia, Sylvia Ware, or Christine Brennan, Manager of Project SEED.

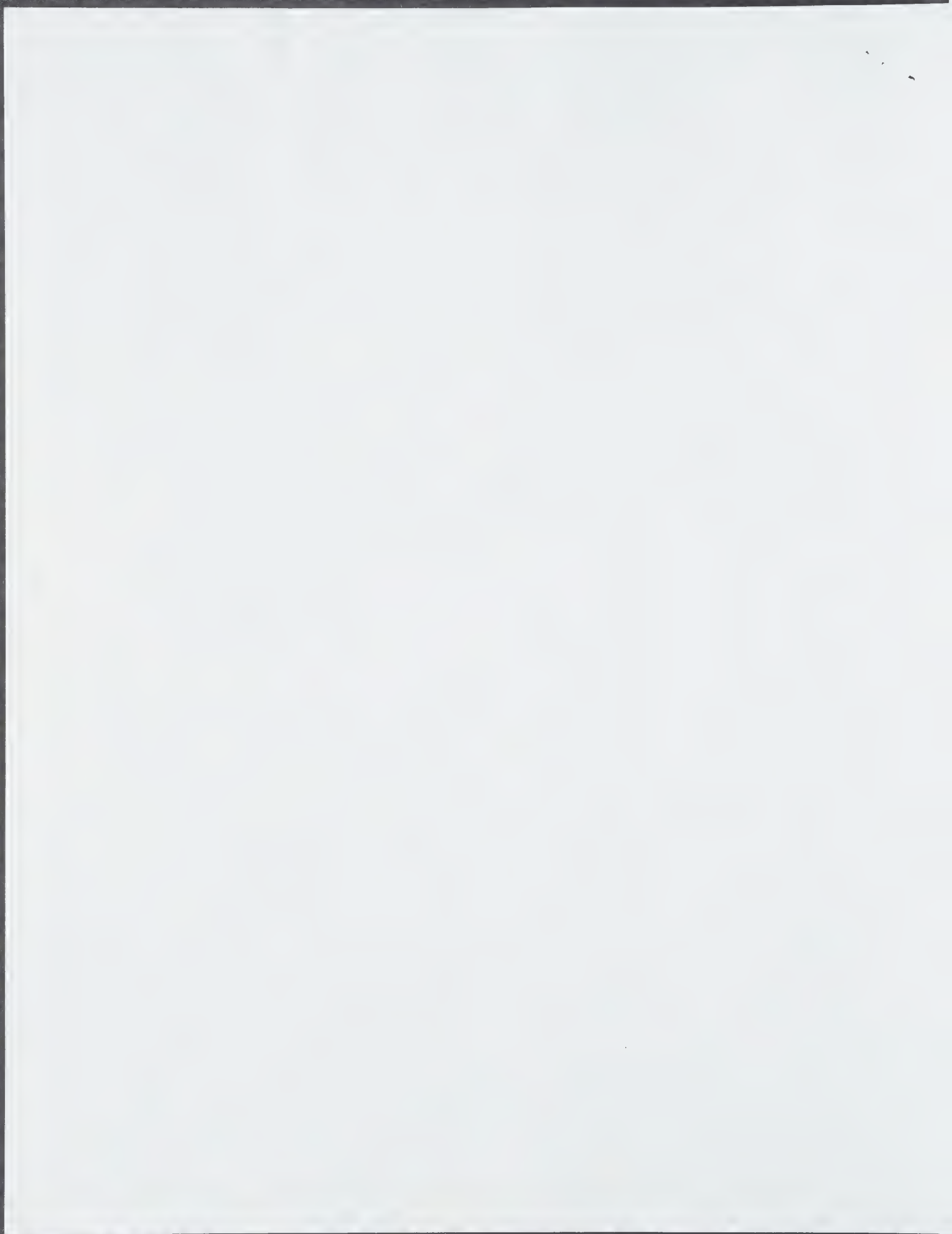
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Sincerely yours,



Ernest L. Eliel

cc: Christine B. Brennan
Jennifer H. D'Elia
Sylvia A. Ware





American Chemical Society

1155 SIXTEENTH STREET, N.W.
WASHINGTON, D.C. 20036

May 3, 1997

*copy to
David Bader*

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

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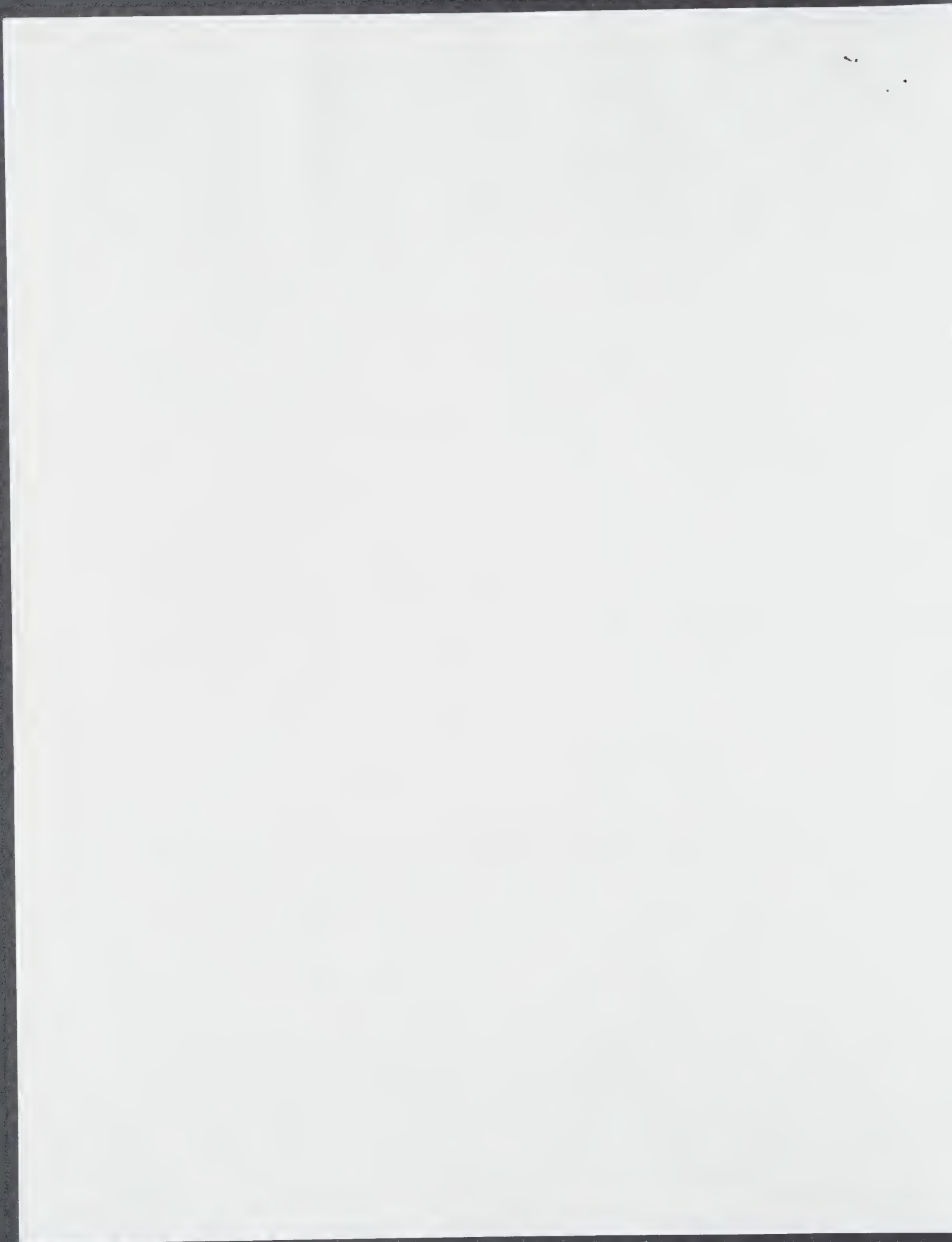
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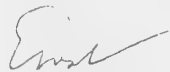
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Sincerely yours,



Ernest L. Eliel

cc: Christine B. Brennan
Jennifer H. D'Elia
Sylvia A. Ware

2



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

Ms. Diane Szydel
8309 A North 107th Street
Milwaukee, WI 53224

Dear Diane:

Thank you for your guidance and fax of yesterday.

My cheque for \$1,000 made out to the American Chemical Society, to help one Project SEED II student in Milwaukee is enclosed.

Please do send me an ACS receipt.

My son Daniel Bader, the head of the Helen Bader Foundation, is just considering how the Foundation and I might help further by providing scholarships for Project Seed II students to go to college.

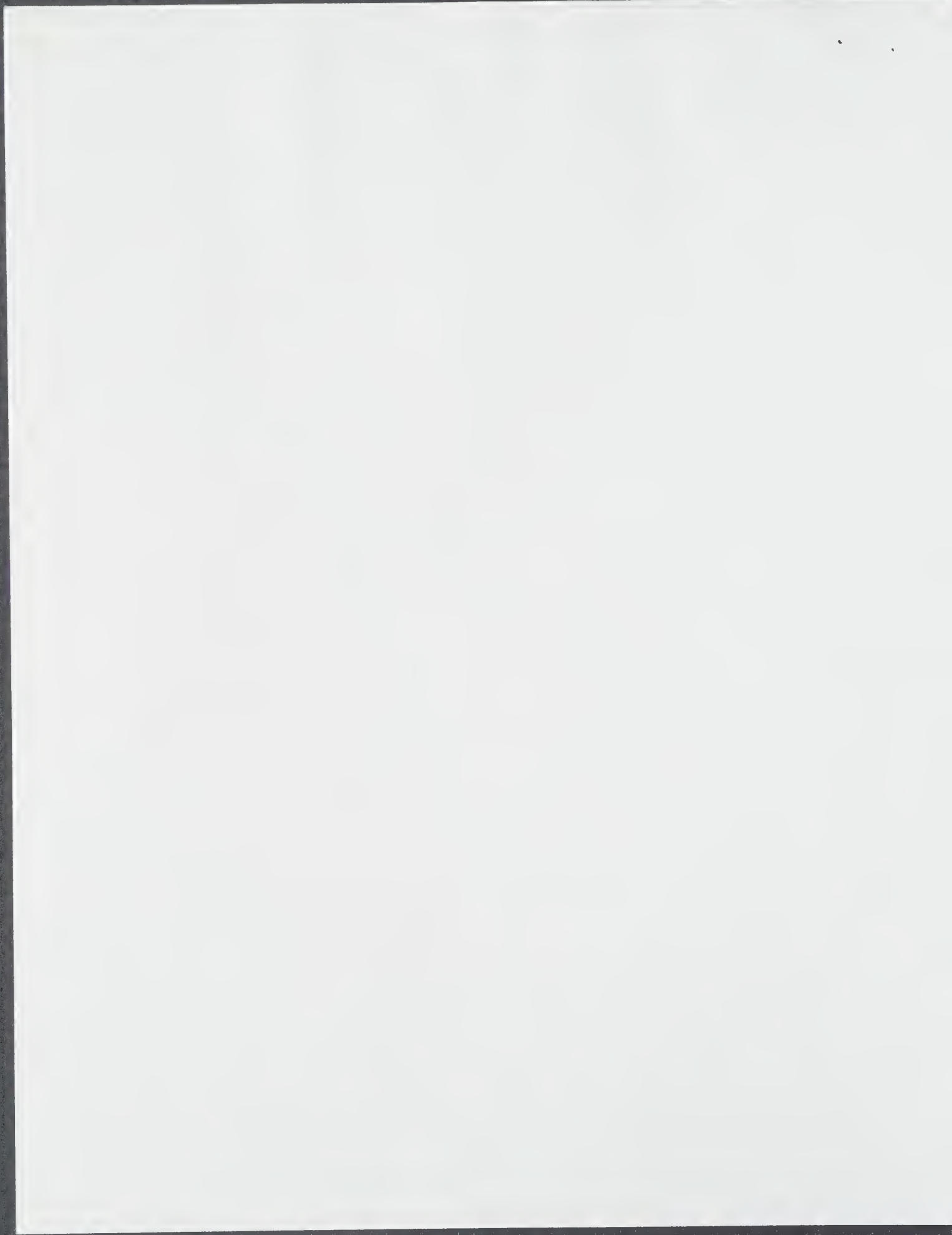
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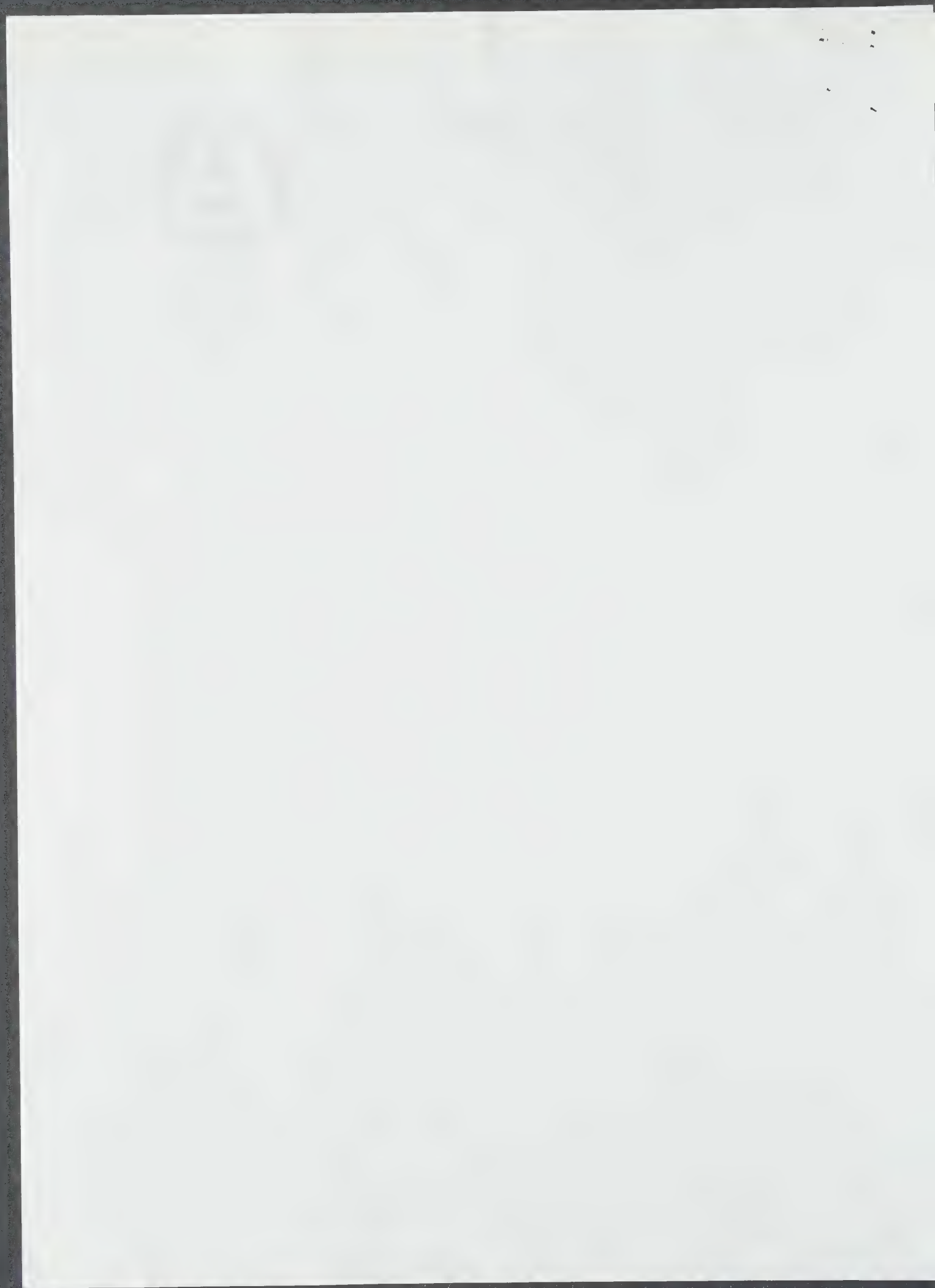
Yours sincerely,

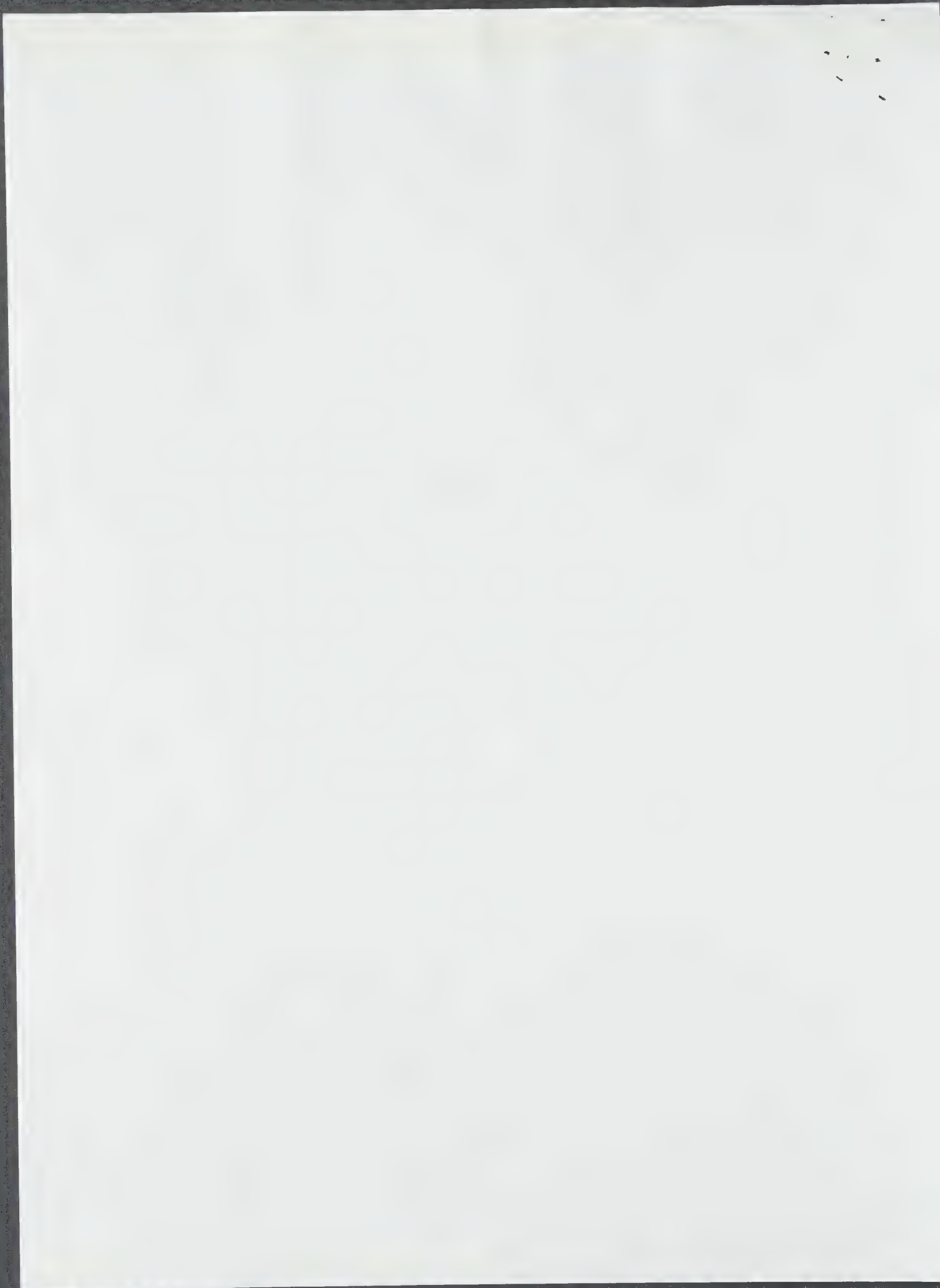
AB/nik

c: Ms. Jennifer D'Elia, Project SEED, Washington, D.C.

Enclosure









**CALSEC
CONSULTANTS, INC.**

Wells Fargo Building, 2140 Shattuck Avenue Suite 511, Berkeley, CA 94704
Phone/Fax: (510) 848 0513

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

May 19, 1997

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Received 5 pm June 2

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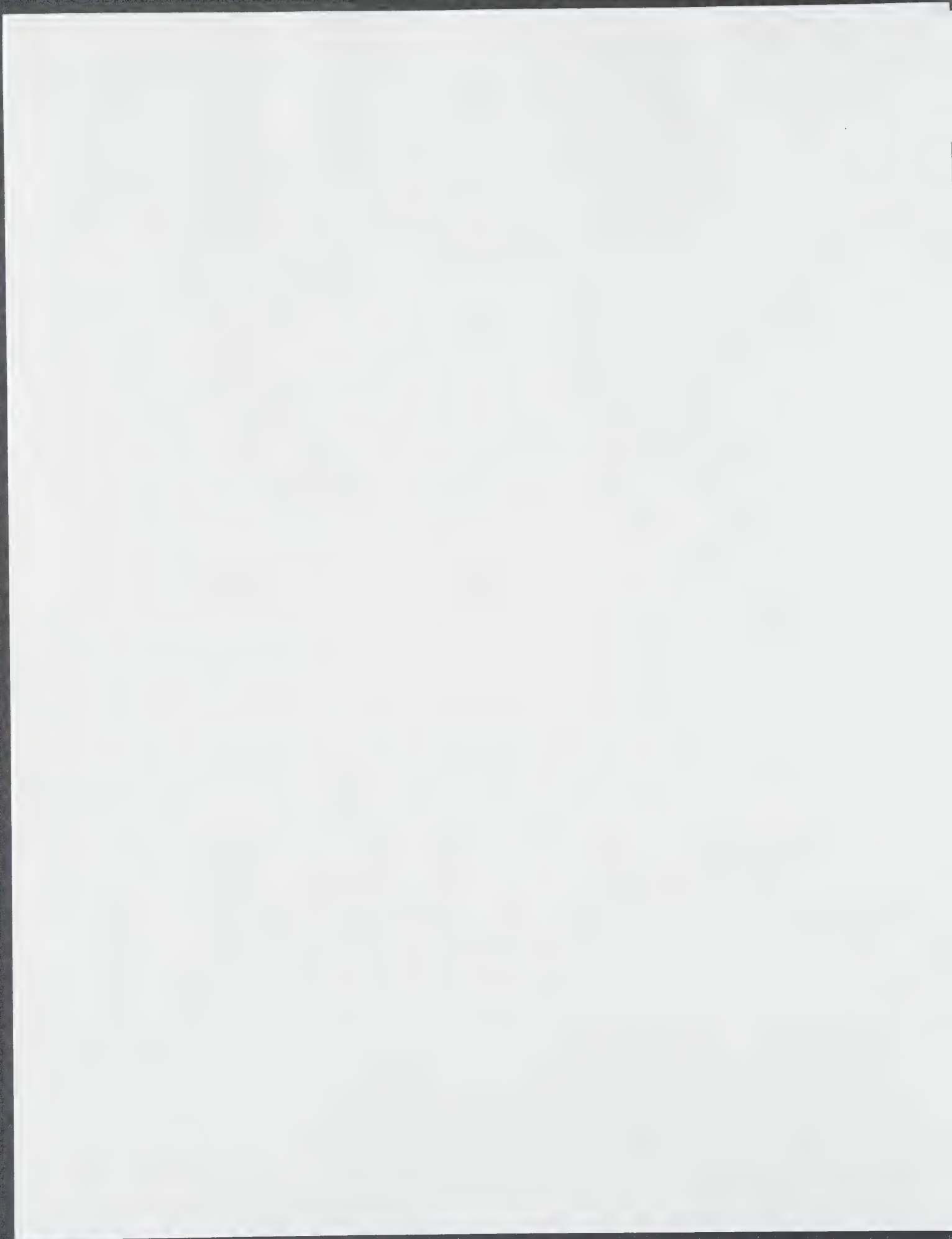
Alan C. Nixon

ACN:dd

cc: Fred Strauss

A. McClennan

*To Mrs Jennifer D'Elia
Please discuss
Jud Kay
June 3 97*





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

A Chemist Helping Chemists

March 28, 1997

Dr. Alan C. Nixon
Wells Fargo Building
2140 Shattuck Avenue, Suite 511
Berkeley, CA 94704

Dear Alan:

Thank you so much for your most interesting letter of March the 7th.

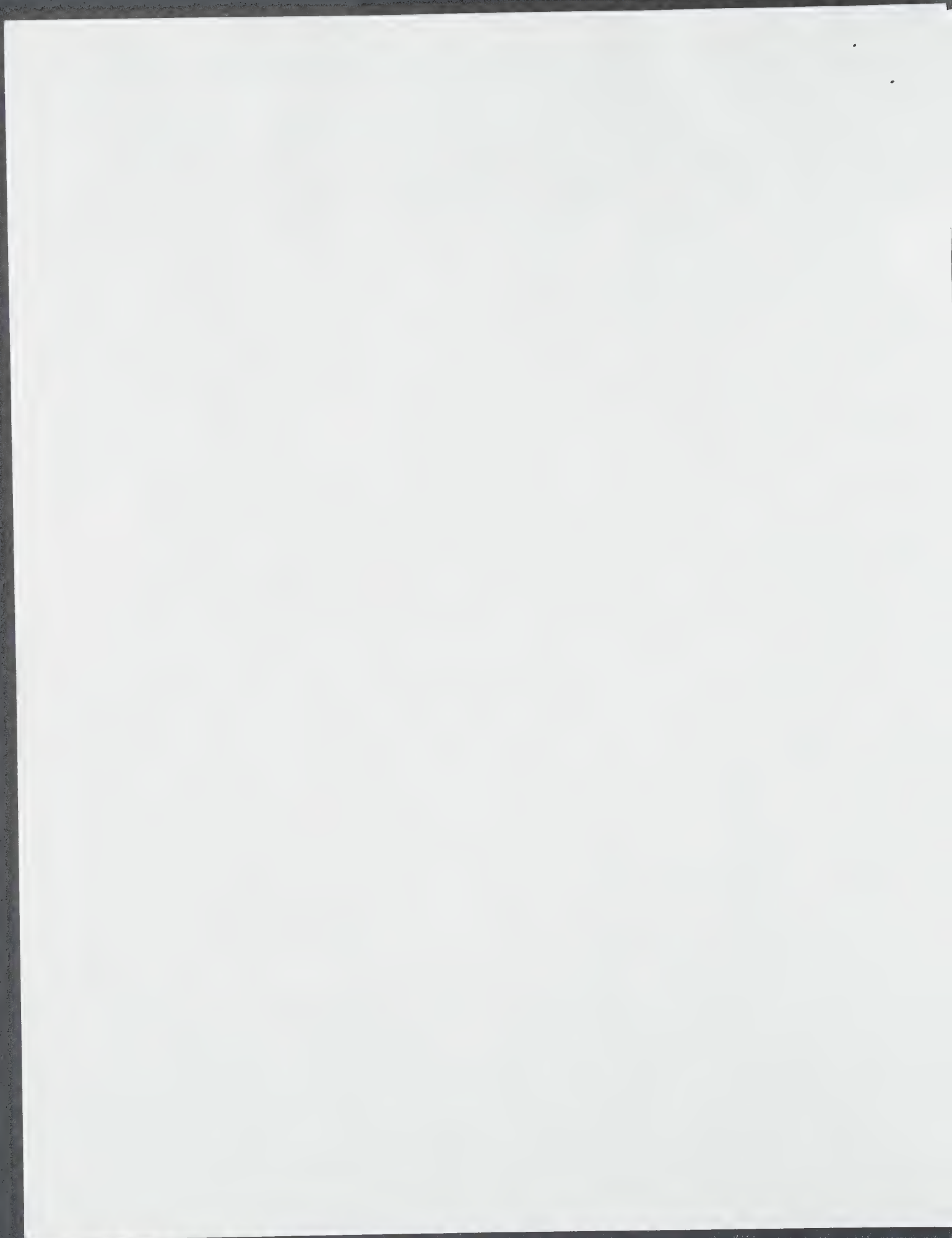
It seems to me that your idea to make the 23 episodes of *Tempest in a Test Tube* widely available to extend Project Seed to many schools is an excellent one.

The only question I have is how you can really make these tapes widely available and I would like to discuss this with you and the Project Seed committee when we see you in San Francisco.

If wide distribution can really be assured, we would certainly like to help with the \$5,000 required.

With all good wishes, I remain,

Yours sincerely,





FAX FROM

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

A Chemist Helping Chemists

March 28, 1997

Page 1 of 3

To: Ms. Jennifer D'Elia
ACS Development Office
Fax: 202 / 872-6071

Dear Ms. D'Elia:

Thank you for your fax of March 25 to which I answer only today because I was on a lecture trip to Ohio.

I understand from Sarah Nash that the book signing is set for 12-2 p.m. on Monday, April 14.

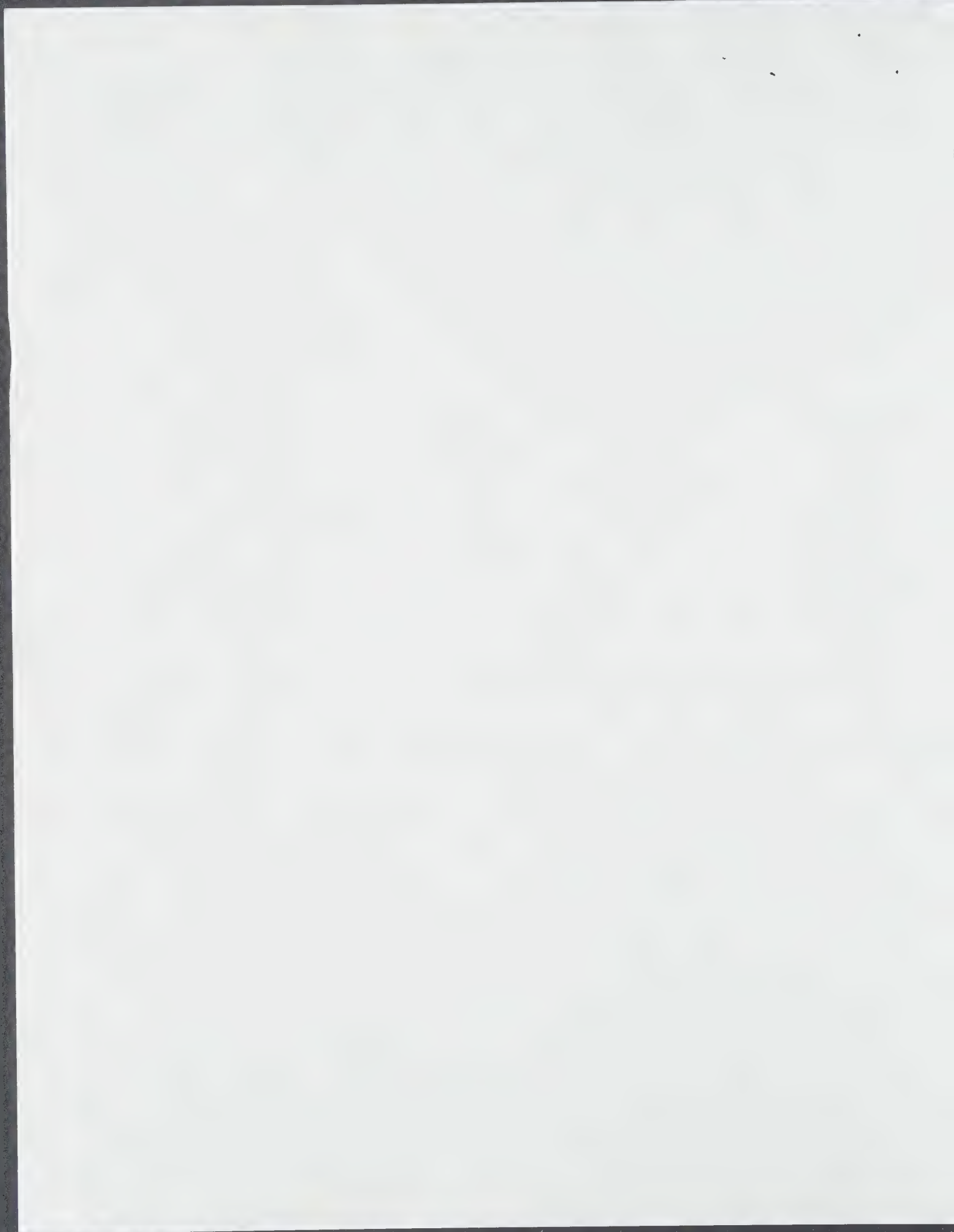
Please thank Dr. Crum for his kind invitation but I am not quite certain that I will be able to come to his reception because I am taking part in a poster session that Monday evening. Still, Isabel and I will try to come, even if only for a few minutes at 7:00 p.m.

The enclosed correspondence with Dr. Alan Nixon will be self-explanatory. Of course - as you will be able to imagine - we would like to help and we would just like to make certain that what Dr. Nixon suggests can really be done. Could you please pass this by the person now responsible for the nitty-gritty in Project Seed.

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

Yours sincerely,

Enclosures



California Section American Chemical Society
Senior Chemists Committee

Wells Fargo Building
2140 Shattuck Ave., Suite 511
Berkeley, CA 94704
Phone/Fax: 510 848-0513

RECEIVED MAR 14 1997

March 7, 1997

Helen & Alfred Bader Foundation
777 East Wisconsin Ave.
Ste. 3275
Milwaukee, WI 53202

Dear Alfred:

Greetings.

The Senior Chemists Committee of the California Section needs some money to transfer the 23 episodes of *Tempest in a Test Tube* on to tape. These will be used as a vehicle to extend SEED into the middle or lower schools as well as to show to curious adults.

Although we created them in the mid 50's, they are good basic physical and chemical science which never goes out of date. I have seen parts of some of them and they are just as good as I remembered.

I think we would need about \$5,000 to get started:

- \$2,000 to produce two sets of the tapes: one master, the other for use
- \$1,000 for correspondence and phone, etc. with schools
- \$2,000 for production of additional copies.

I think it is very important that we exert more effort to "catch them when they're young". *Tempest in a Test Tube* might just be the bait needed.

Acknowledgment of the source of support would be inserted at the beginning of each episode.

With best regards,

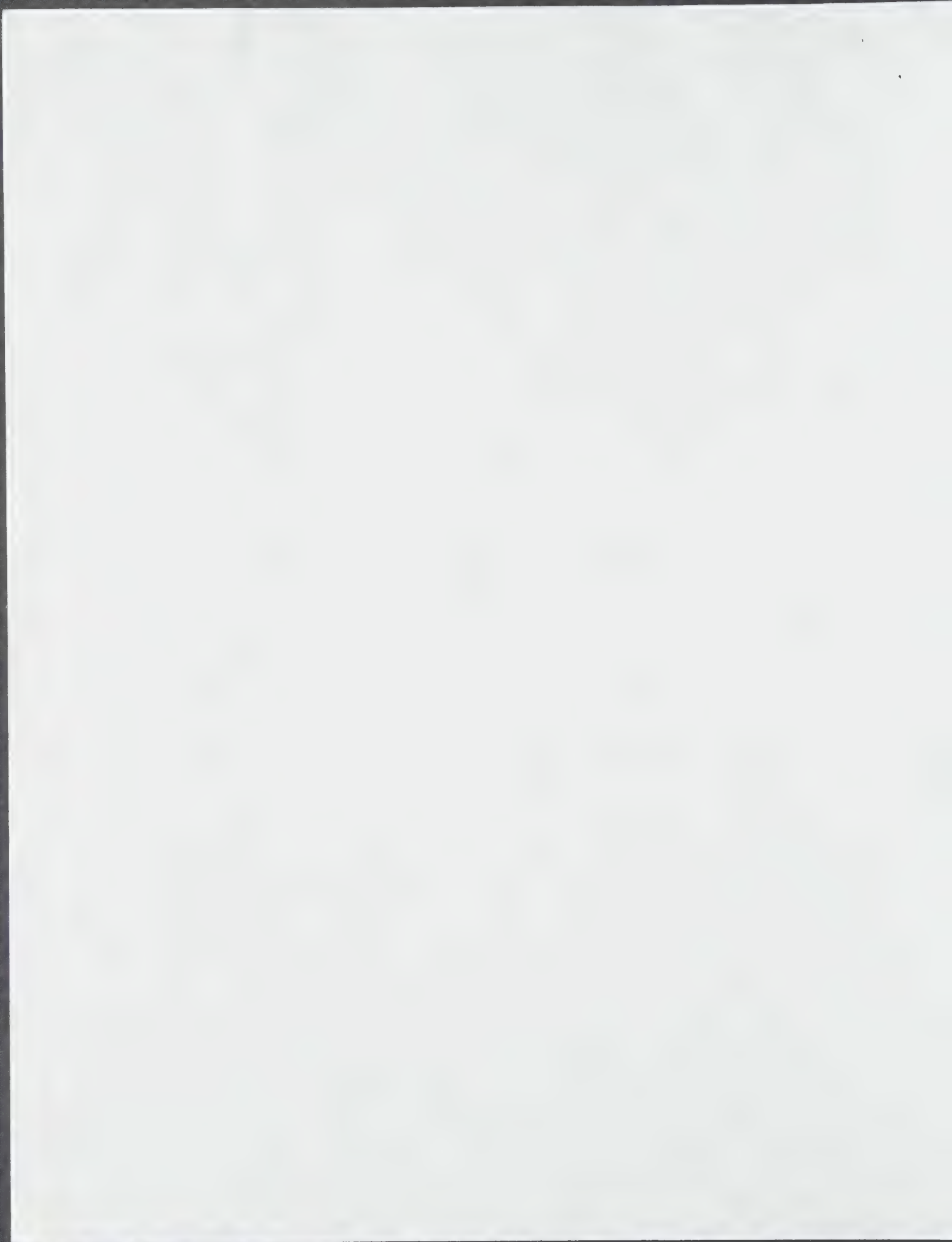


Alan C. Nixon
President

sn/enc.

attach.

See you in S.F.!





**CALSEC
CONSULTANTS, INC.**

Wells Fargo Building, 2140 Shattuck Avenue Suite 511, Berkeley, CA 94704
Phone/Fax: (510) 848 0513

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

To JENNIFER DELIA

April 2, 1996

Best regards

Dear Alfred:

Alfred Bader

Thank you for your encouraging letter of 3/28.

I understand you will be at San Francisco and will attend the SEED meetings. GOOD! I hope that includes the symposium of 4/15 AM, because it has changed quite drastically. Sigard Roselund was to have given us his ideas regarding bringing SEED into the classroom. Unfortunately, he has developed cancer and will not be able to do so.

So I asked Glenn Fuller who is a long time active supporter of SEED. (In fact he helped to launch it, because as a CA counselor he attended the Western counselor's meeting in SF that "birthed" it. to take over which he will do. But I am hoping that you will participate also to give the benefit of your wise advise.

Our present thoughts are to begin by doing some experimenting , select one or more pairs of Junior high school classes, generally of equal excellence and expose one of each pair, weekly to Tempest in a Test Tube, the other not, then examine them at the end of the term.

If, as we believe, the program is beneficial, I don't think we will have any difficulty making the taps available procedurally. Finances, of course are always a problem.

With all the Best

Alfred Bader

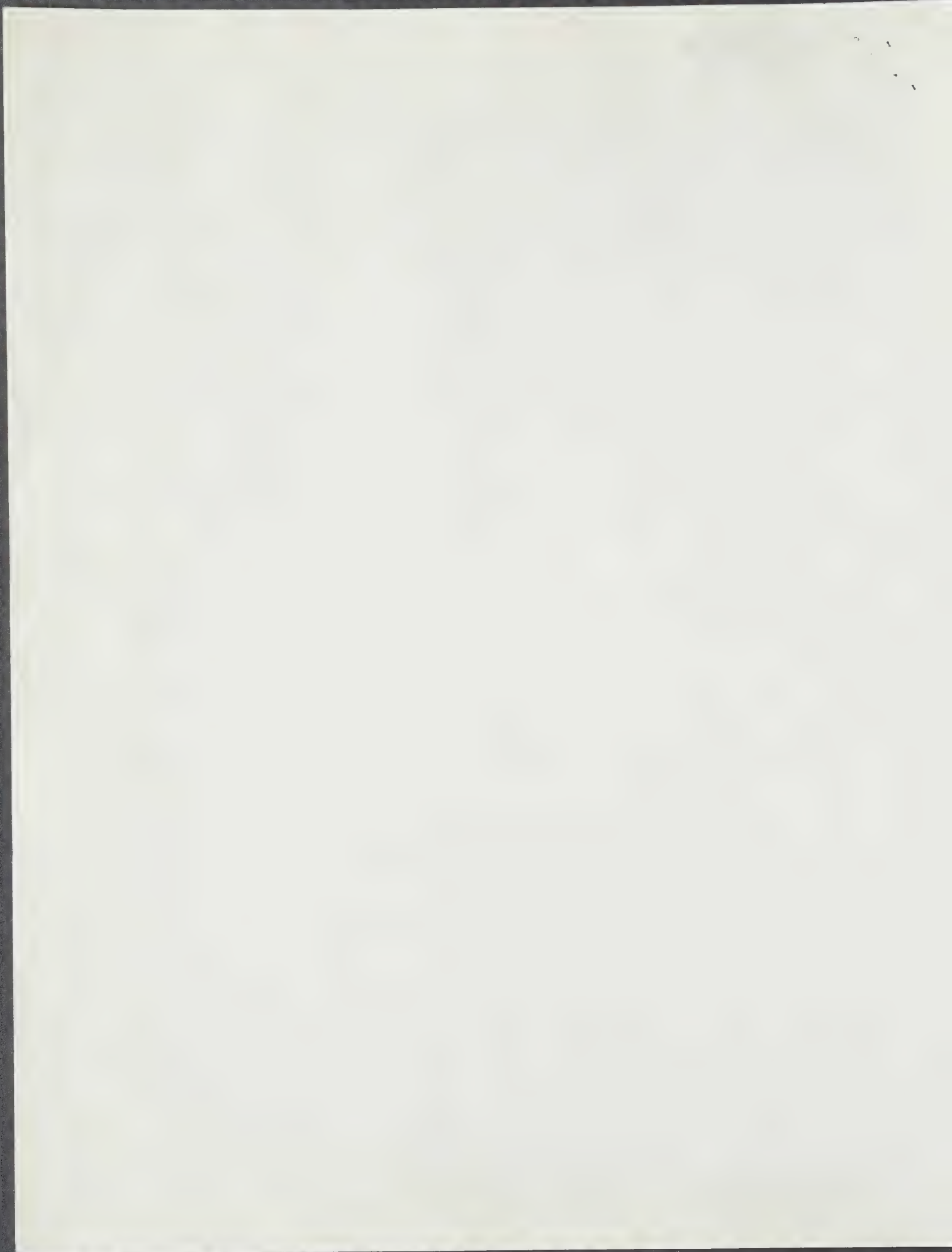
Alan C. Nixon

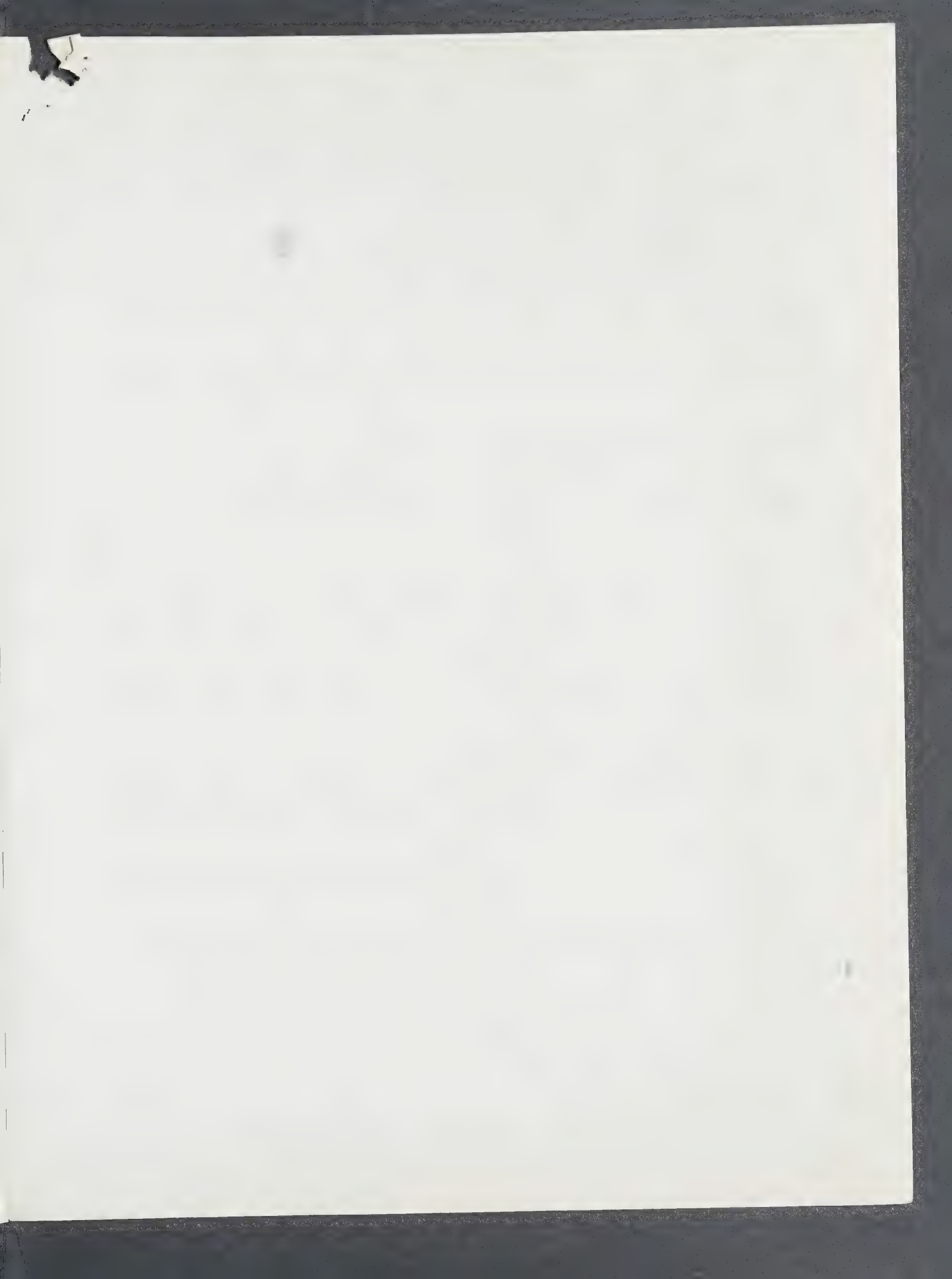
PS Paper No. 30 (Prof) at 2: 50 pm on Wednesday on the production of Tempest in a Test Tube will be interesting.

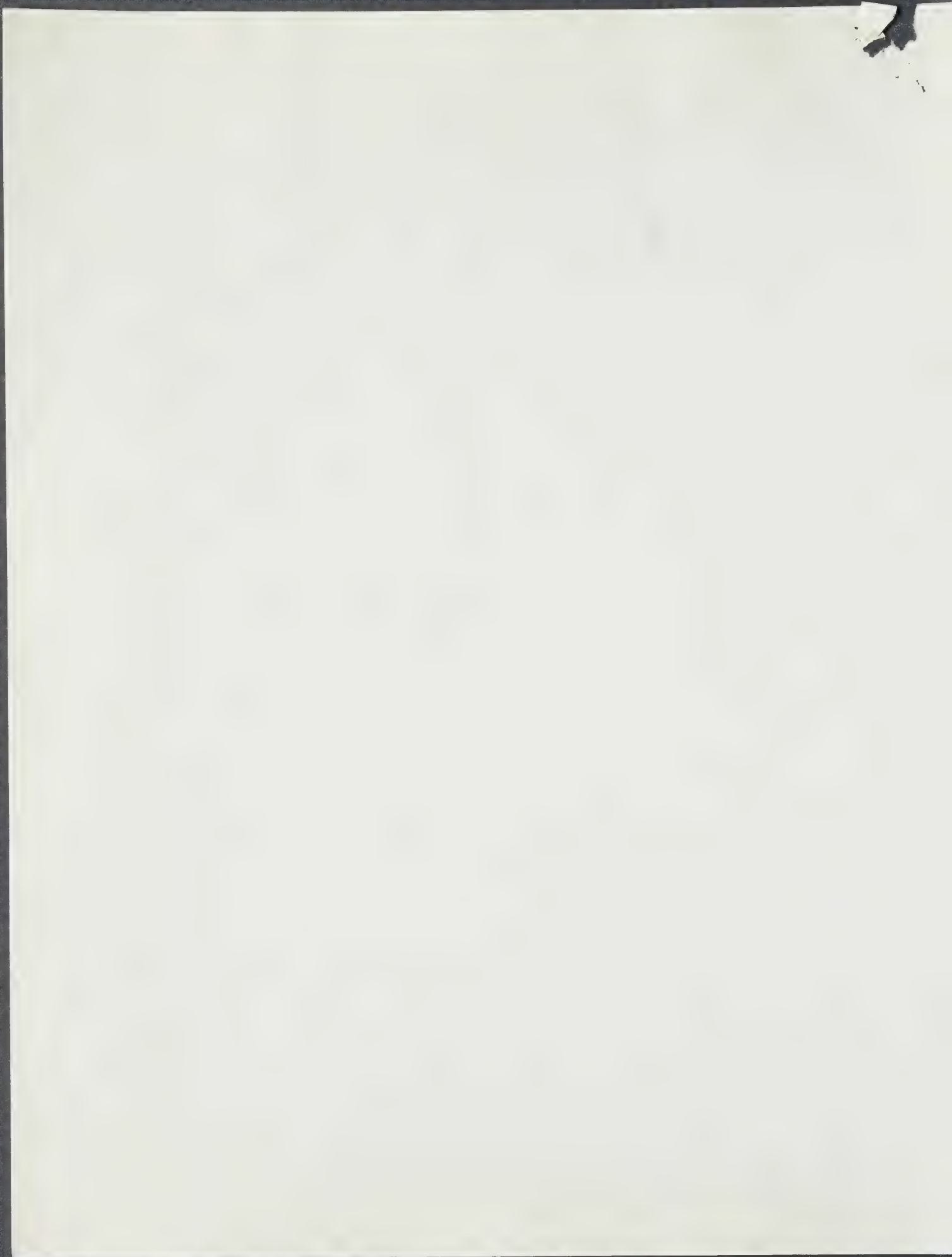
ACN:dd

2

KQED







WITNESSETH



Faint, illegible text, likely a body of a document or a list of names.

CP





**CALSEC
CONSULTANTS, INC.**

Wells Fargo Building, 2140 Shattuck Avenue Suite 511 Berkeley, CA 94704
Phone/Fax: (510) 848 0513

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

April 2, 1996

Dear Alfred

Thank you for your encouraging letter of 3/28

I understand you will be at San Francisco and will attend the SEED meetings. GOOD! I hope that includes the symposium of 4/15 AM, because it has changed quite drastically. Sigard Roselund was to have given us his ideas regarding bringing SEED into the classroom. Unfortunately, he has developed cancer and will not be able to do so

So I asked Glenn Fuller who is a long time active supporter of SEED. (In fact he helped to launch it, because as a CA counselor he attended the Western counselor's meeting in SF that "birthed" it, to take over which he will do. But I am hoping that you will participate also to give the benefit of your wise advise

Our present thoughts are to begin by doing some experimenting, select one or more pairs of junior high school classes, generally of equal excellence and expose one of each pair, weekly to Tempest in a Test Tube, the other not, then examine them at the end of the term

If, as we believe, the program is beneficial, I don't think we will have any difficulty making the tape available procedurally. Finances, of course are always a problem

With all the Best

Alan C. Nixon

A handwritten signature in dark ink, appearing to read 'Alan C. Nixon', is written over the typed name.

P.S. Paper No. 30 (Prof) at 2: 50 pm on Wednesday on the production of Tempest in a Test Tube will be interesting

ACN:dd





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

A Chemist Helping Chemists

January 23, 1997

American Chemical Society
ACS Awards Office
1155 Sixteenth Street N.W.
Washington, DC 20036

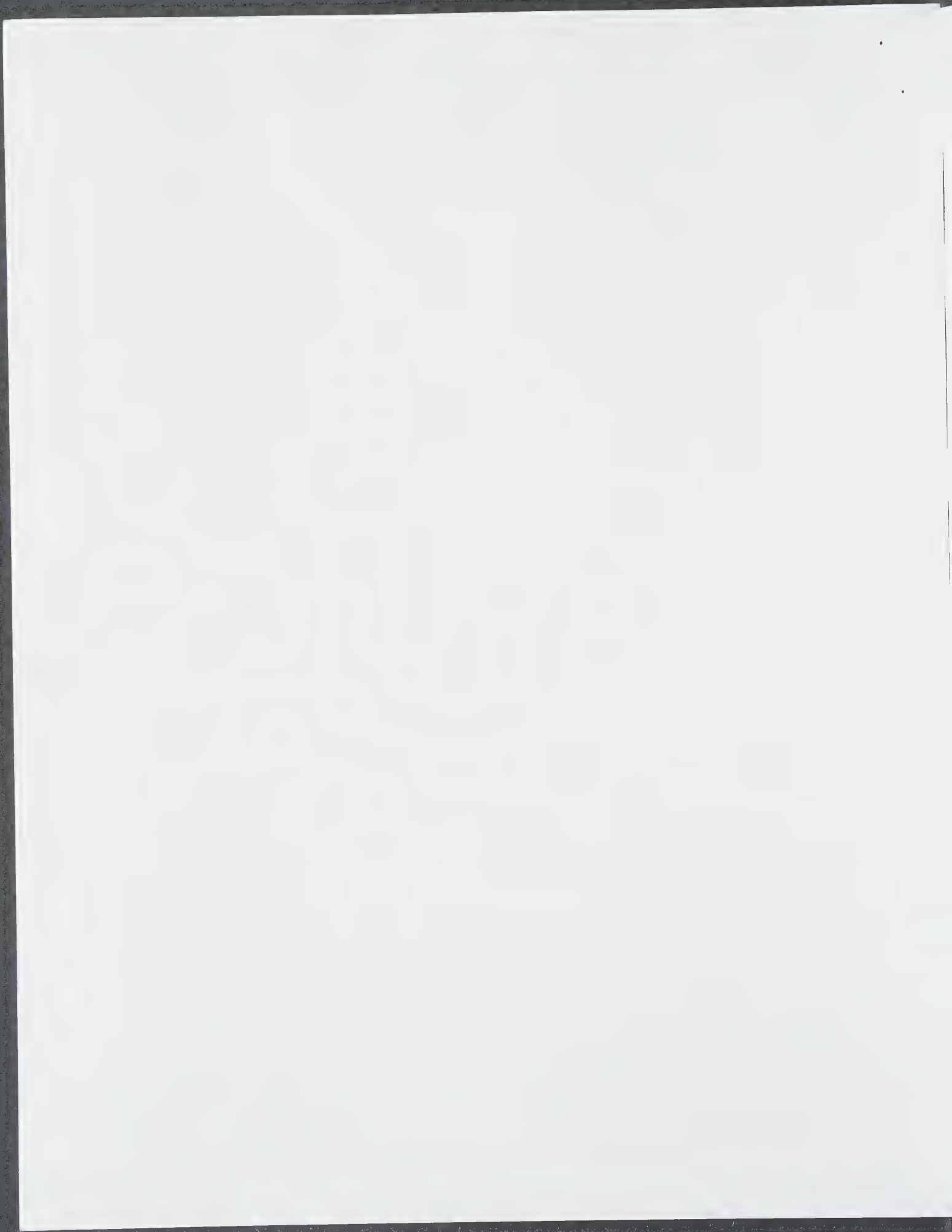
RE: The nomination of Professor Leo Ochrymowycz of the University of Wisconsin-Eau Claire for the 1998 American Chemical Society Award for Research at an Undergraduate Institution

To the Selection Committee for the 1998 American Chemical Society Award for Research at an Undergraduate Institution:

I understand that Professor David B. Rorabacher of the Department of Chemistry at Wayne State University in Detroit has nominated Professor Leo Ochrymowycz of the University of Wisconsin-Eau Claire for the 1998 American Chemical Society Award for Research at an Undergraduate Institution. May I wholeheartedly second this nomination and share with you my reasons for this endorsement?

As the founder of the Aldrich Chemical Company, I spent a great deal of my professional life visiting chemistry departments in North America and Europe, to inquire of professors and students what the company could do to serve organic chemists better. In that way, I came to know hundreds of professors around the world, and many have become my good personal friends. Many of these professors are brilliant researchers, some are Nobel laureates, many have won prestigious prizes here and abroad. Some of them are inspiring teachers of graduate students, and some are brilliant lecturers.

Professor Leo Ochrymowycz - "Dr. O" as he is usually called - is unique among my academic friends, because he has inspired many hundreds of undergraduates to become interested in chemistry in a school which does not have a Ph.D. program. He has done this because he is so interested in chemistry and in his students. His interest in chemistry is in both teaching and research, and his published work on the syntheses of large ring compounds is well known. By involving many of his students in this research, he has given them the opportunity to feel the excitement of research, of being the first to make some new compounds. Many have said to themselves, "if only we could be as able a chemist, as good a teacher as Dr. O," and saying that, they have gone on to further education in the field of chemistry and then on to promising careers in chemistry.



Selection Committee
January 23, 1997
Page 2

Over the years, Aldrich has hired dozens of chemists who were taught by Dr. O, and many of them have told me of their respect and admiration for this great teacher.

When Dr. O arrived at UW-Eau Claire in 1969, the school was in the process of changing from a state teacher's college to the comprehensive state university it is today. Its primary mission became that of education in the liberal arts and science on an undergraduate level. In 1969, UW-EC was a competent, undistinguished school; today it is among the best undergraduate schools of chemistry in the country. I was not surprised when I saw the department featured in Sheila Tobias's probing book on undergraduate education, aptly entitled Revitalizing Undergraduate Science: Why Some Things Work and Most Don't (see attachment). So much does work in chemistry at Eau Claire largely because of Dr. O. Nor was I surprised when I learned that the NSF has funded a 400 MHz FT/NMR at UW-EC, the first such grant to an undergraduate program in the country. President Kennedy said, "One man can make the difference and every man should try." Dr. O is certainly trying--and succeeding.

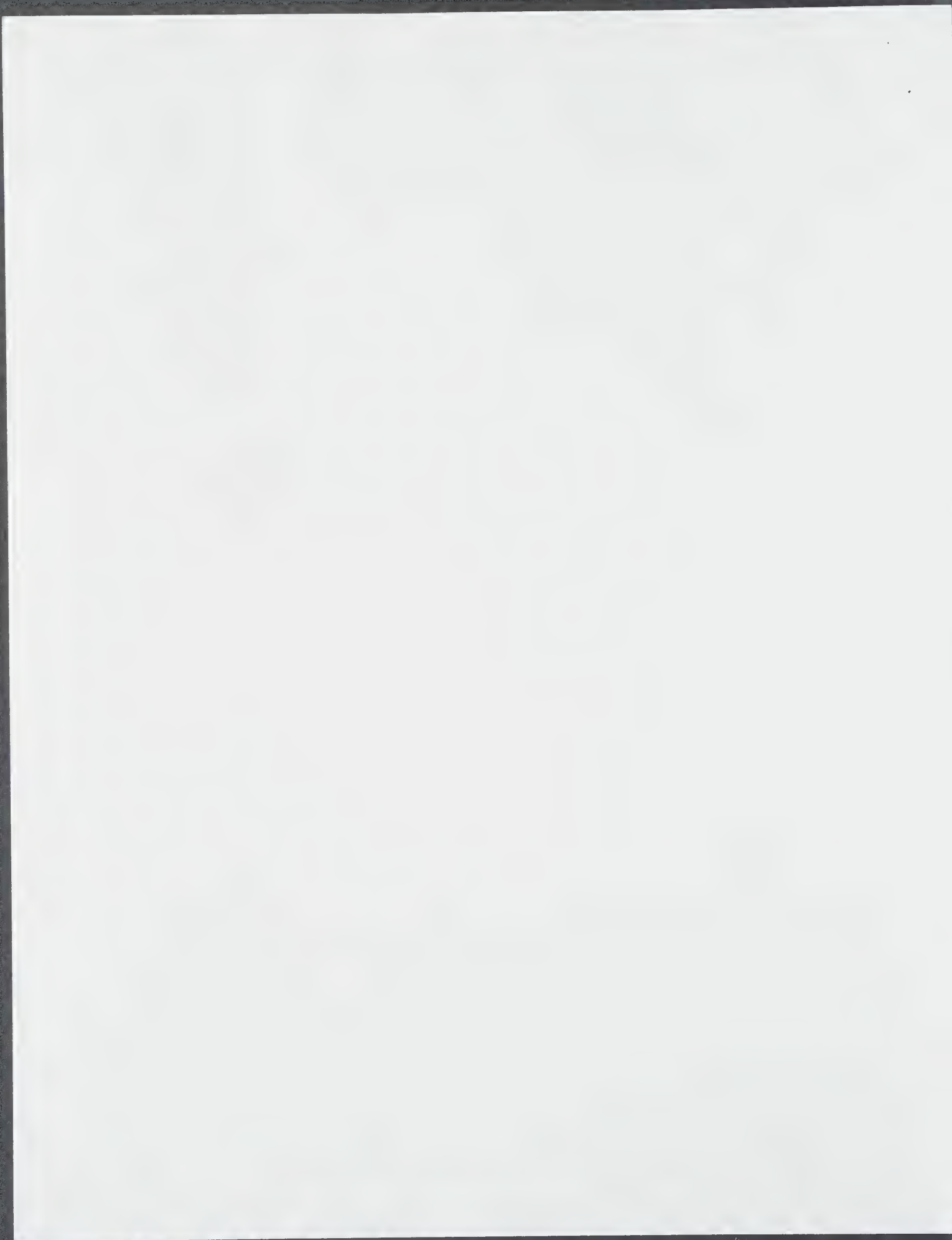
Dr. O is an inspiring teacher and also an internationally known researcher. His first of more than 40 publications on the synthesis of sulfur containing crown ethers in the *J.Org.Chem.* was one of the first peer reviewed publications from his department. This paper alone has had over 600 literature citations!

Some years ago I was rather surprised when I visited a well-known inorganic chemist, Dr. Steven Cooper, at Oxford University, and the first question he asked me was: "I see you come from Wisconsin; do you happen to know Dr. O whose work I so respect?" Today I would no longer be surprised, because many chemists have spoken to me about Dr. O's teaching and research.

And, of course, Dr. O's efforts have been rewarded through external financial support for his department. During his career at UW-EC, his efforts as principal author and co-author with colleagues in his department have resulted in over \$2.7 million in external support.

Thanks in large part to the efforts of Dr. O, UW-EC has become well known for its excellence in teaching chemistry to undergraduates. One means to motivate students has been a growing tradition of collaborative research with undergraduates, the ideal for the teaching model on campus. This has been recognized by the U.W. Board of Regents (for all the universities in Wisconsin) which designated UW-EC as a Center of Excellence for Collaborative Undergraduate Research.

Naturally Dr. O has been recognized nationally for this great effort in innovative teaching, and in 1983 he became one of the first three CUR (Council on Undergraduate Research) councilors from public institutions. He also served as the associate editor of the CUR newsletter from 1985 to 1988.



Selection Committee

January 23, 1997

Page 3

Many teachers spend most of their time with the best and brightest students. Dr. O has consciously and successfully tried to work with capable but less confident students, motivating those with unrecognized potential. Many of them have subsequently gone on for their Ph.D in chemistry, and some working at Aldrich have told me that they learned to love chemistry mainly through Dr. O.

Dr. O was one of the first in Wisconsin to teach laboratory work on a microscale, hand in hand with safety and waste management procedures. Thus it is not surprising that his students are accepted so readily by graduate schools which recognize what the combination of a love for chemistry with safe laboratory practices does for students.

Some years ago, as the advisor for the A.C.S. student affiliate group, Dr. O convinced the students that they should put together a Chemical Magic Road Show and offer their services to grade schools in the Eau Claire area. This venture has grown through the enthusiasm of the students and direction of subsequent faculty advisors so that the group has received much distinction for its Road Show from the A.C.S., including an invitation to present a feature poster on the Road Show at the 1992 Fall National A.C.S. Meeting.

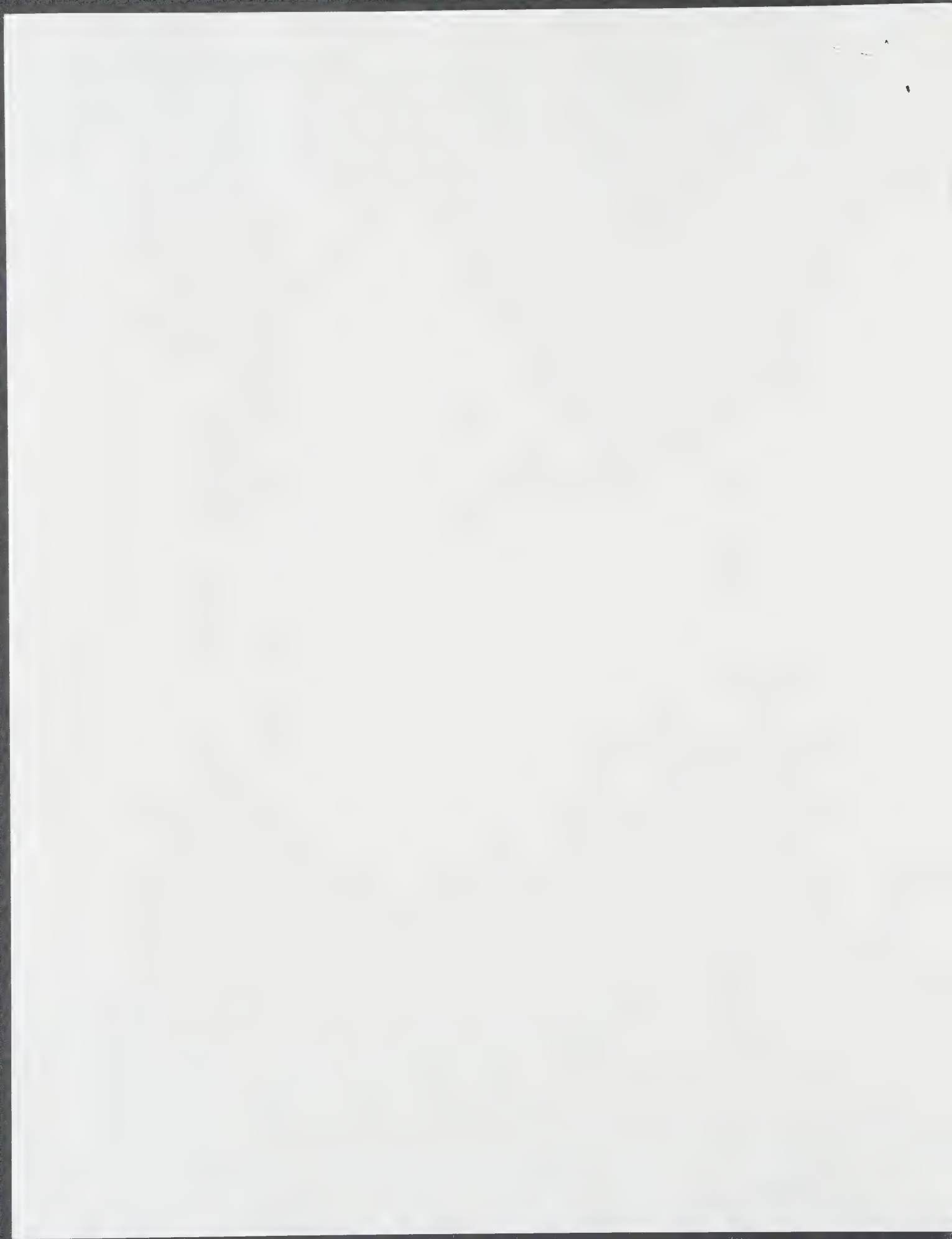
Another productive effort to motivate students is his outreach teaching efforts in visiting high schools throughout western Wisconsin to present talks on chemistry related career options and demonstrations on technological subjects, such as explosives, polymers and recycling of consumer wastes.

These many efforts have combined to make the graduates in chemistry from UW-EC among the ablest and most enthusiastic I know.

Best wishes,

AB/cw

c: Professor David B. Rorabacher, Wayne State University





SEPTEMBER MEETING
Tuesday, September 10, 1996
Wichita State University
Wichita, KS

Dinner: 6:30 pm
Kansas Room, CAC
ALL WELCOME W/RESERVATIONS

BUFFET MENU
Fiesta El Grande

Spinach-Orange Salad w/Lime Vinaigrette
Beef or Chicken Fajitas
Assorted Toppings: lettuce, cheese, chopped
tomatoes, sour cream, salsa
Spanish Rice
Flour Tortillas
Corn Tortillas w/salsa
Orange Bread Pudding w/Rum Sauce
Coffee and Tea

Cost: \$9 members/ \$4.50 students

Make reservations by calling WSU Chemistry
Dept. at 316-978-3120. Reservations must be
received by NO LATER THAN 3:30 pm,
FRIDAY, SEPT. 6.

LECTURE
7:45 pm
Room 310, McKinley Hall

Dr. Alfred Bader, Founder
Aldrich Chemical Company

"Richard Anschütz, Archibald Scott
Couper, and Josef Loschmidt: A
Detective at Work"

Unlike the name August Kekulé, one of the most famous German chemists of the 19th Century, the names Josef Loschmidt and Archibald Couper will probably mean little to most chemists. Dr. Bader believes it is now time to reconsider who should take credit for some of the great man's discoveries. Stimulated by a biography of Kekulé by Anschütz, his assistant and successor as professor of chemistry, Bader is convinced that the first person to suggest the tetravalency of carbon was Couper, a virtually unknown Scot chemist, in a delayed 1858 paper entitled "On a New Chemical Theory". He is also convinced that the first person to suggest the six atom ring structure for benzene was not Kekulé, but a little known but brilliant theoretical Austrian chemist, Josef Loschmidt, who published his ideas in a book four years earlier. There is good evidence that Kekulé knew of his work when he claimed to have had his famous "dream", in which he said he saw a chain of

atoms biting its own tail and that this gave him the idea of a benzene ring. This event he said happened one evening as he dozed on the upper deck of the Clapham bus during a visit to London in 1865.

Dr. Bader is known as a chemist collector of old master paintings which decorate his monthly company magazine Aldrichimica Acta with corresponding narrative analyses of the cover painting inside. Dr. Bader was born in Vienna, Austria in 1924. He has BSc and MSc degrees in chemistry and a BA in history from Queen's Univ., Ontario, and a MA and a Ph.D. degree in chemistry from Harvard in 1950. He has received a DSc from the Univ. of Wisconsin, 1980, Univ. of Wisconsin-Madison, 1984, Purdue Univ., 1984, and Northwestern Univ., 1990, and a LLD from Queen's University, 1986, and a DUniv. from Univ. Sussex, 1989. He has held the position of Research Chemist and Organic Group Leader at Pittsburgh Plate Glass Co., 1950-54, and has served as Chief Chemist, President, and Chairman of Aldrich Chemical Co., 1955-81, and Sigma-Aldrich Co., 1975-91. He has received several awards including the Milwaukee Section (ACS) Award Winner, 1971, and the Winthrop-Sears Medal, 1980, Engineer of the Year Award, Milwaukee, 1984, and the ACS Charles Lathrop Parsons Award for public service, 1995. He is a Fellow of the Royal Society of Arts and is Guest Curator, Milwaukee Art Center. He has gained a world-wide reputation as a philanthropist, supporting many chemical causes, such as endowments for awards and scholarships, as well as other gifts.

Dr. Bader will also deliver a Tuesday afternoon lecture.

3:30 pm
310 McKinley Hall

"History of the Aldrich Chemical
Company".

Future Speakers at Wichita Local Section Meetings:

October 14, 1996, Dr. Jeffrey I. Zink,

"Squeezing the Light Out of Crystals: Triboluminescence", Salina, KS.

November 19, 1996, Dr. Malcolm H. Chisholm, "Metal Alkoxides - Models for Metal Oxides", Wichita, KS.





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

A Chemist Helping Chemists

February 16, 1996

Dr. E. James Bradford
Awards Administrator
American Chemical Society
1155 - 16th Street, N.W.
Washington, D.C. 20036

Dear Dr. Bradford:

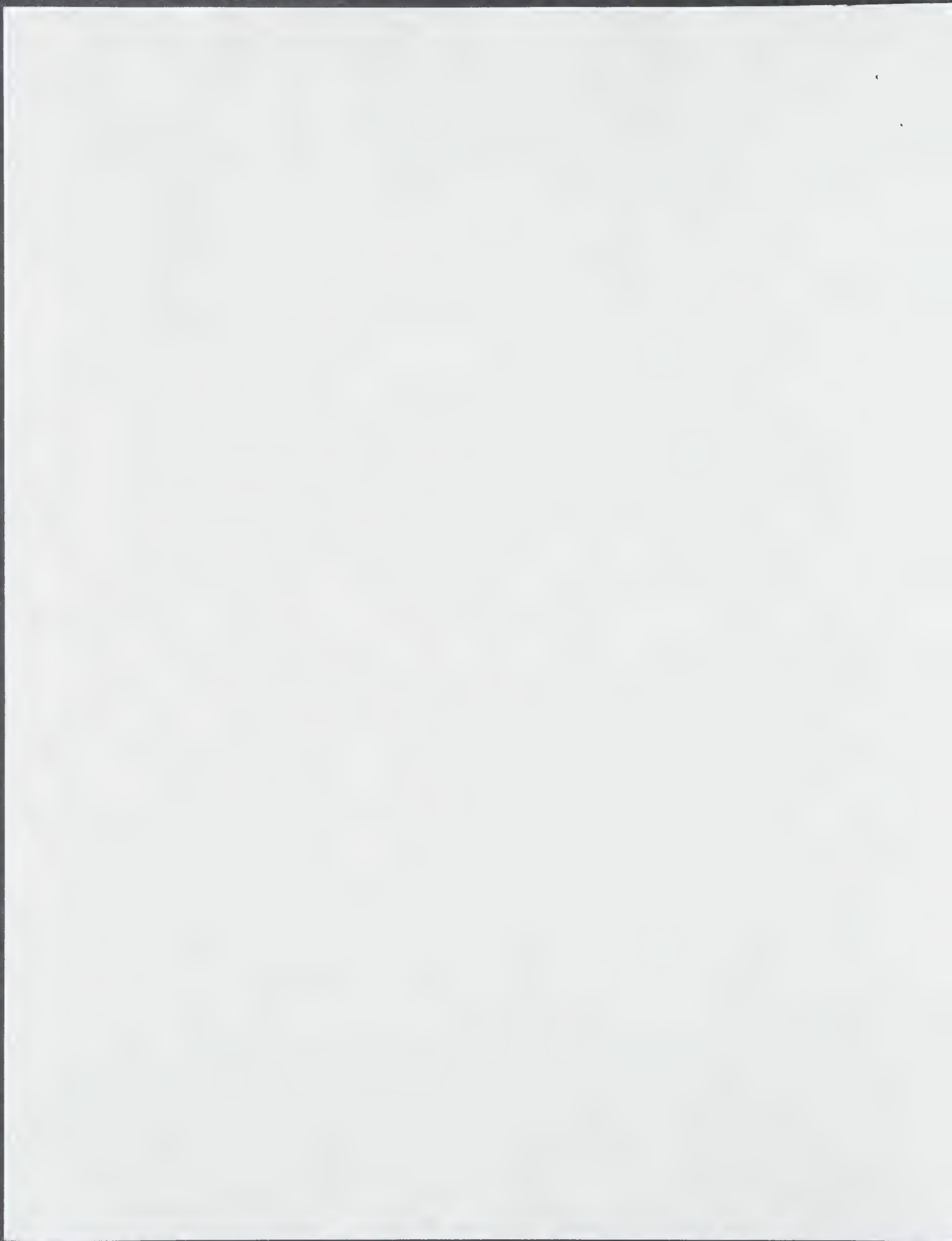
Thank you for your letter of February 9th.

Unfortunately, I will not be able to come to the ACS meeting in March and have asked an old friend, Professor Ernest Eliel, if he could present the Alfred Bader Award.

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

Yours sincerely,

AB/cw





American Chemical Society

AWARDS PROGRAM

E. James Bradford, *Ph.D.*
Awards Administrator

1155 SIXTEENTH STREET, N.W.
WASHINGTON, D.C. 20036
Phone: (202) 872-4408

February 9, 1996

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

Dear Dr. Bader:

It is a pleasure to inform you of arrangements for the presentation of the 1996 Alfred Bader Award in Bioinorganic or Bioorganic Chemistry.

The Society cordially invites you and your spouse to be its guests at the reception and dinner in honor of 1996 recipients of ACS Awards on Tuesday evening, March 26, at the Sheraton Hotel. I have summarized the arrangements for the dinner and the presentation ceremony on the enclosed sheet for your reference.

Awardees will be seated at assigned tables with representatives of the sponsor and other guests. If the combined group is too large for a single table, adjacent tables will be utilized.

I will be happy to reserve places at the awards dinner for friends whom you wish to invite, and to assist you in purchasing dinner tickets for such persons through my office. It will help us to coordinate all arrangements if you will return the completed registration form(s) and dinner guest list to the Awards Office and send your housing form directly to the ACS Meetings Office. Please note, the deadline for receipt of registration and housing forms is February 23.

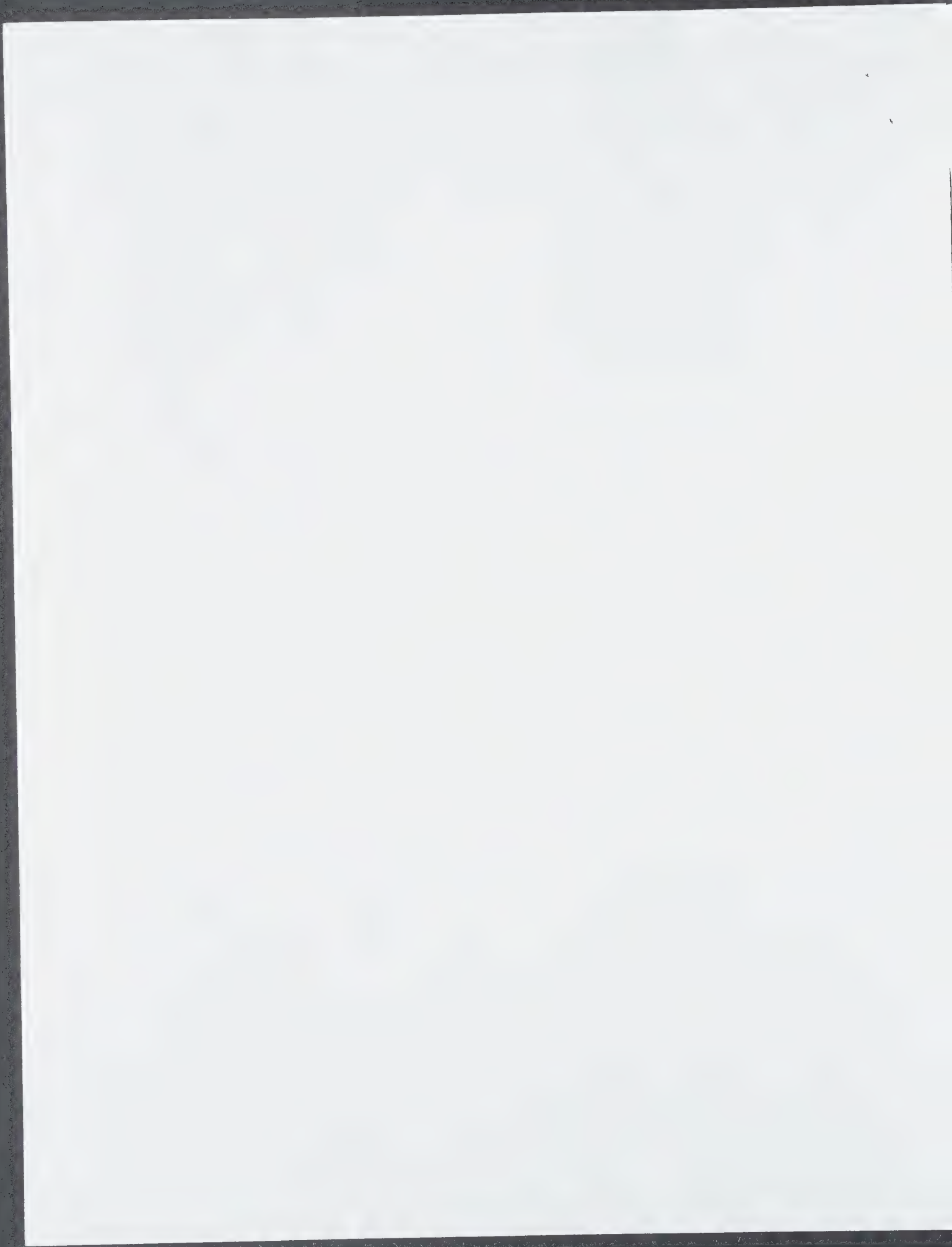
Please feel free to call upon my office for assistance with any questions or special needs in connection with this event.

Sincerely yours,

A handwritten signature in blue ink that reads "E. James Bradford".

E. James Bradford
Awards Administrator

EJB:epw





FAX FROM

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

February 21, 1996

To: Dr. Paul Walter
Fax: 518/581-0767

Dear Dr. Walter:

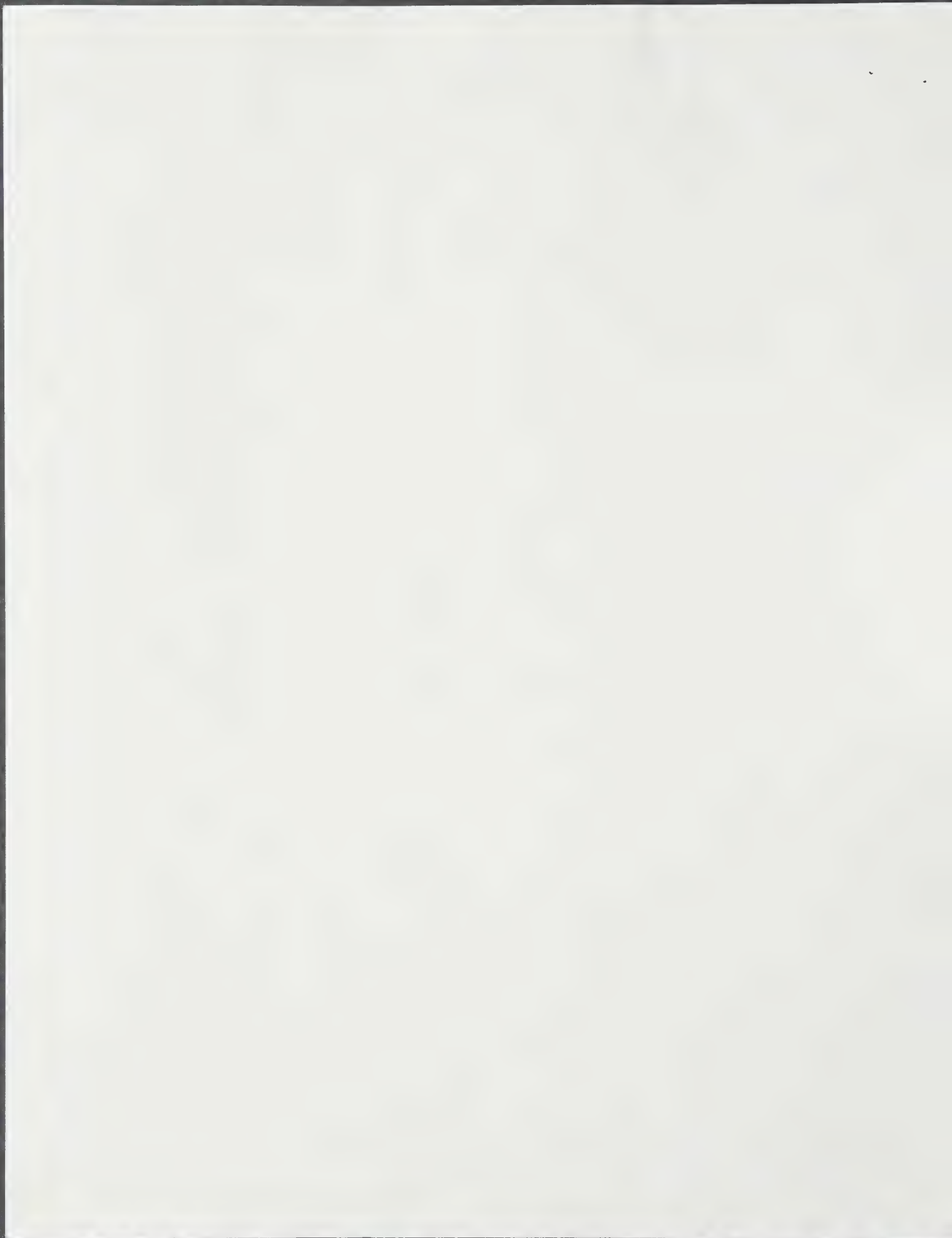
Professor Ernest Eliel has told me that you might be able to help me by presenting the Alfred Bader Award to Professor John Groves of Princeton at the next ACS meeting in New Orleans.

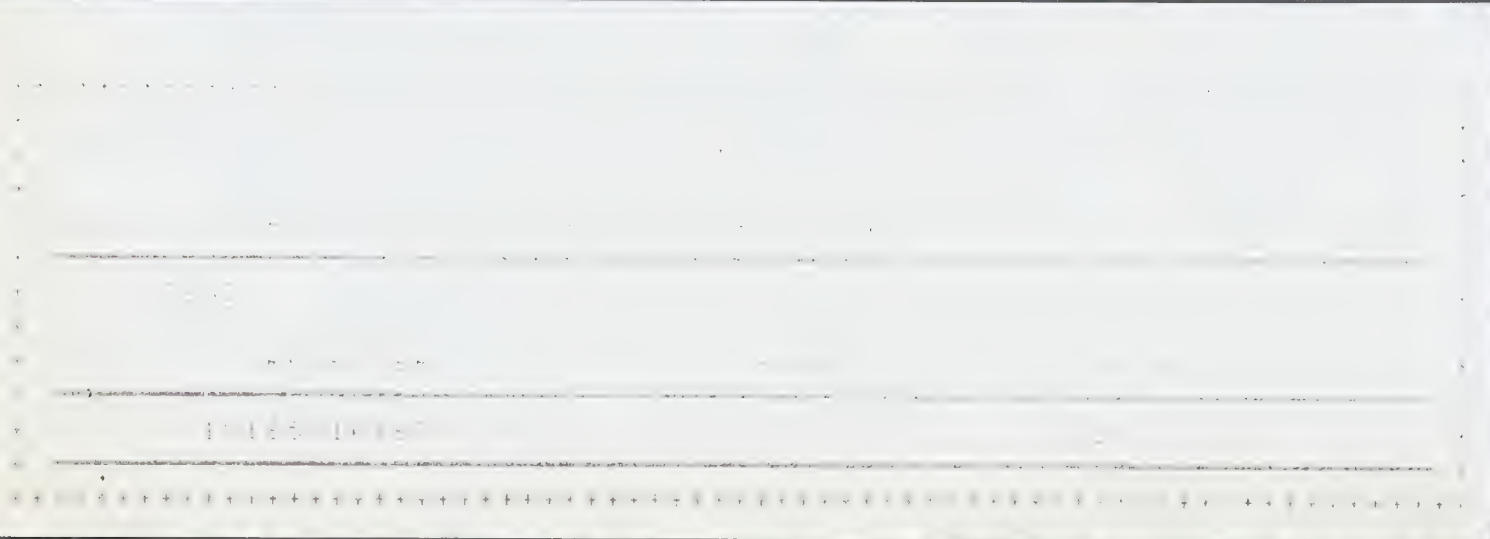
Unfortunately, Isabel and I will not be able to attend, and I would very much appreciate your help.

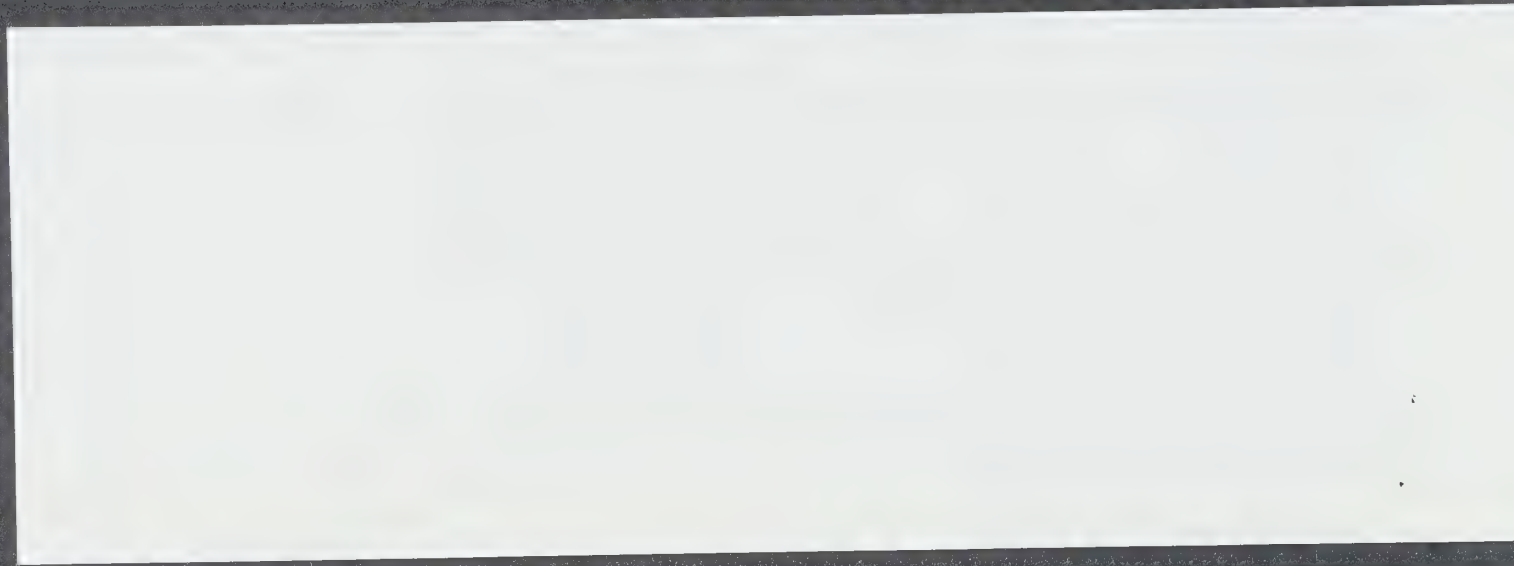
With all good wishes, I remain,

Yours sincerely,

AB/cw









THE UNIVERSITY OF NORTH CAROLINA
AT
CHAPEL HILL

Department of Chemistry

February 14, 1996

CB# 3290, Venable and Kenan Laboratories
The University of North Carolina at Chapel Hill
Chapel Hill, N.C. 27599-3290
FAX# (919) 962-2388

Dr Alfred Bader
924 East Juneau Suite 622
Milwaukee Wisconsin 53202

Dear Alfred:

Thank you for your letter of February 6. Much as I would like to do it, this time I cannot stand in for you since I myself am getting an award (the Priestley Medal) at the dinner and it would seem to be unfeasible both to receive and present an award at the same ceremony.

After consulting with Jim Bradford, I have ascertained that Paul H. L. Walter, immediate past chairman of the ACS Board and current chairman of the Board Committee on Grants and Awards would be willing to make the presentation. I suggest you give Dr. Walter a call [(518) 584-5000 ext. 2620, office, or (518) 584-4138, home] if you are agreeable to this solution; I realize, of course, that you may have another alternate in mind. In case you prefer to contact Paul Walter in writing, his address is 9 Walter Drive, Saratoga Springs, NY 12866-9233 and his fax (518) 581-0767.

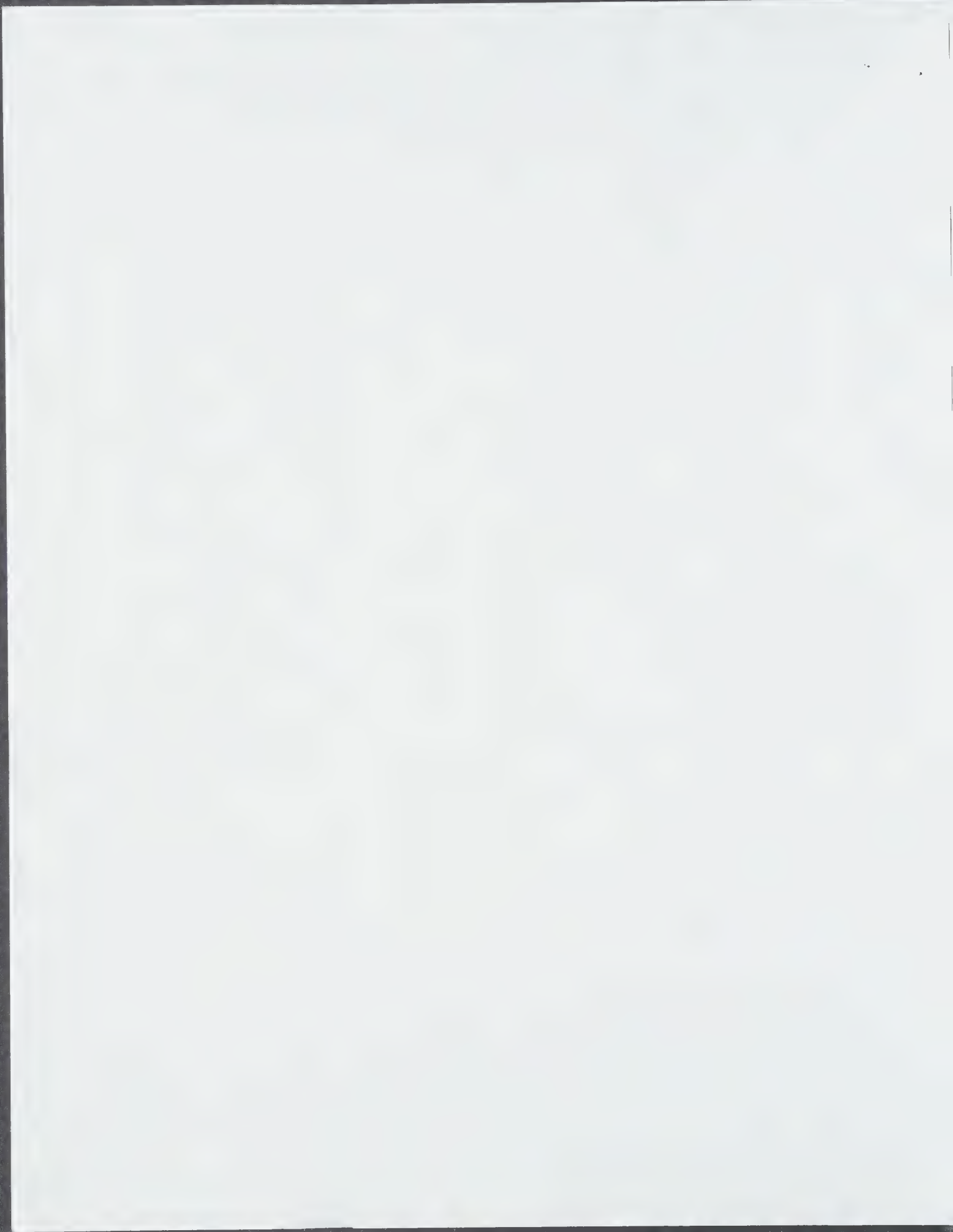
Best regards to you and Isabel.

Sincerely yours,

Ernest L. Eliel

ELE/jdm

cc: Dr. Paul Walter
Dr. James Bradford





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

A Chemist Helping Chemists

November 7, 1995

Ms. Jennifer H. D'Elia
Director of Development
and
Ms. Martha K. Turckes
Manager, Office of High School Chemistry
American Chemical Society
1155 - 16th Street, N.W.
Washington, D.C. 20036

Dear Ms. D'Elia and Ms. Turckes:

I so appreciated your thoughtful letters of October 19th and 20th regarding the progress of Project SEED II.

We have the late Professor Gassman to thank for bringing this important effort to my attention. My son, Daniel, who heads the Helen Bader Foundation, and I are really happy that we were involved with the inception of Project SEED II, and it now looks most promising. We hope that your efforts will continue. I think that your conclusion that twenty-five applicants for Project SEED II decided not to enter the program is not all bad: Clearly they benefitted sufficiently from Project SEED I that they were able to find a satisfactory summer job.

Just recently, Ms. Diane Szydel from Aldrich visited me to inquire whether I would help sponsor a Project SEED student in Milwaukee, and she told me that Aldrich and other companies in the area are doing the same. Of course, I was happy to do so, particularly as this is, to the best of my knowledge, the first time that a real effort is being made in the Milwaukee area.

With all good wishes, I remain,

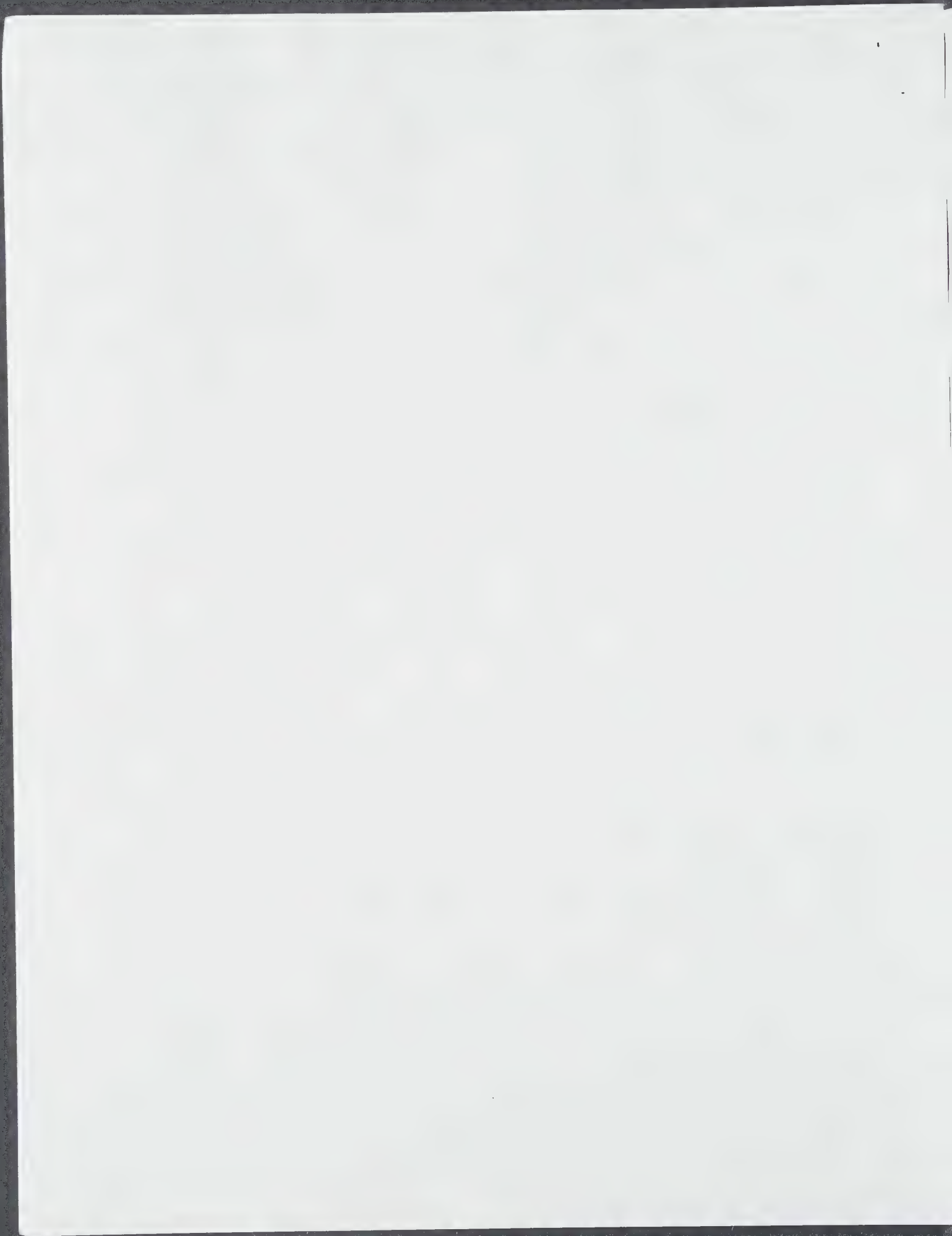
Yours sincerely,

AB/cw

Enclosure

cc: Daniel Bader, President
Helen Bader Foundation

cc: Ms. Diane Szydel @ Aldrich





American Chemical Society

Jennifer H. D'Elia
Director of Development

1155 SIXTEENTH STREET, N.W.
WASHINGTON, D.C. 20036
Phone (202) 872-4080

October 20, 1995

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, WI 53211-3435

Dear Dr. Bader:

I am pleased to forward a report on Project SEED to you as a follow-up to our recent telephone conversation. The American Chemical Society (ACS) is very proud of the remarkable progress Project SEED has made over the years.

The SEED Summer II program, in particular, has been of great benefit to the young students who discover the joy and satisfaction of hands-on research during their participation in SEED Summer I. SEED Summer II provides a wonderful opportunity to expand on their newly found interest and skills. As you will read in the report, the ACS Board of Directors was so impressed with the progress of the SEED Summer II program that they have partially funded SEED II for the next several years.

Dr. Heininger, Ms. Ware and I are disappointed that your schedule does not allow time for a personal visit in the near future. However, we do hope that after the new year we can find a mutually convenient time and place to meet. As you suggested, this might be possible during one of your trips to Washington, DC.

Once again, thank you for your generous support of SEED Summer II. The 272 students who have participated may never have a chance to meet you, but you and the Bader family have forever changed their lives by providing an opportunity to expand their horizons.

Best wishes to you and Mrs. Bader for a wonderful holiday in England.

Sincerely,

A handwritten signature in blue ink that reads "Jennifer".

cc: S. Allen Heininger
Sylvia A. Ware
Martha K. Turckes





American Chemical Society

Herbert B. Silber, *Chairman*

COMMITTEE ON PROJECT SEED
1155 16th Street, N.W., Washington, D.C. 20036
Staff Liaison (202) 872-4380

October 19, 1995

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

Dear Dr. Bader;

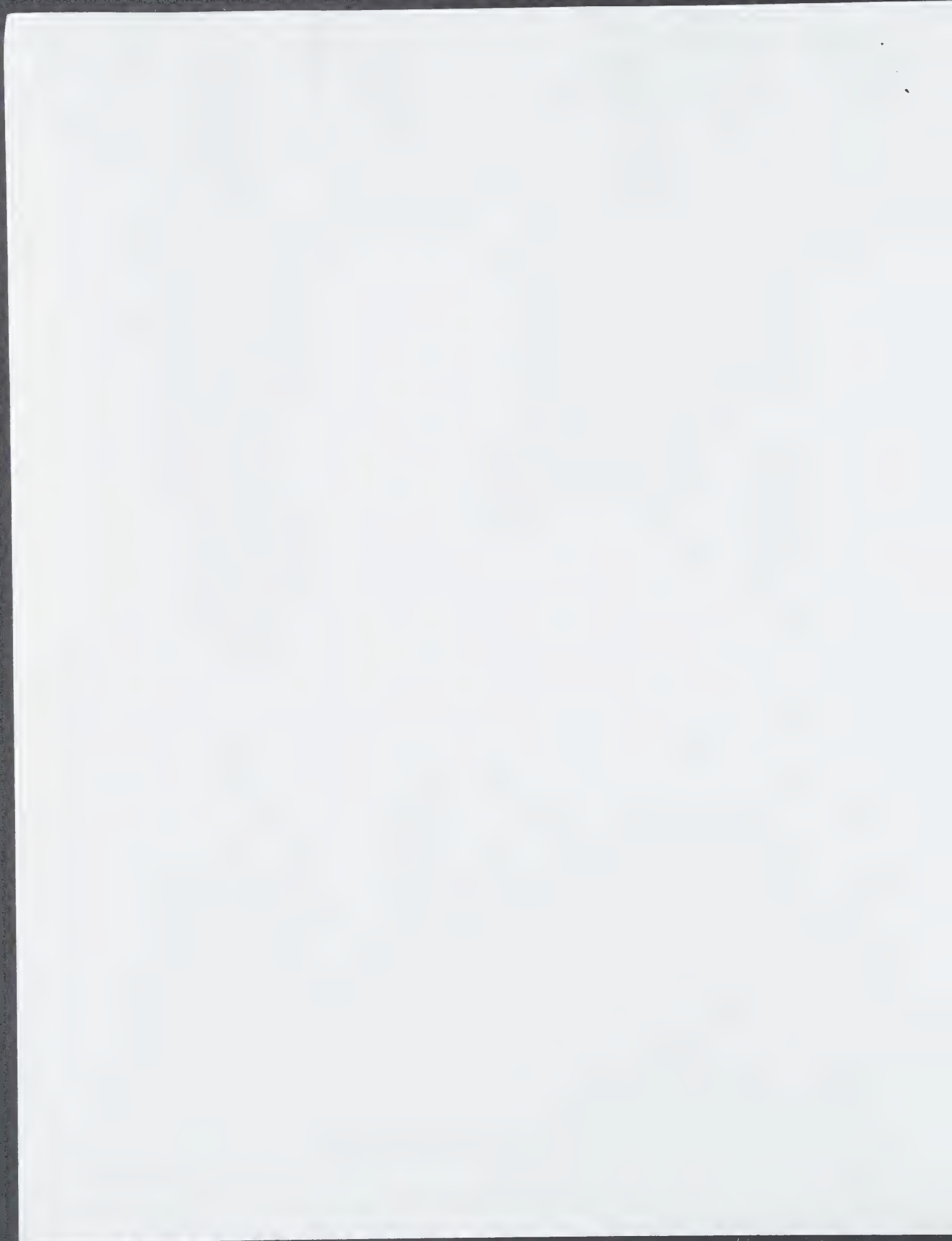
I am pleased to have the opportunity to inform you that Christine Brennan, ACS staff liaison to the Committee on Project SEED, gave birth to a 10 pound 14 ounce baby boy on September 18, 1995. In Christine's absence I would like to provide you with some specifics about the Project SEED Summer II program. The Bader family's generous donation of \$300,000 in 1992 started a marvelous program which has enabled SEED students to return for a second year of research.

Since 1992, 272 second year SEED students (54 in 1992, 63 in 1993, 85 in 1994, and 70 in 1995) have participated in research projects at 99 institutions representing 29 states. Survey results indicate that 36% were African American, 24% White, 19% Hispanic and 17% Asian/Pacific Islander; 56% were female. A large percentage of the students were from New York, New Jersey, Indiana, Delaware, Michigan, and North Carolina. The majority of the students come from families with annual incomes under \$20,000.

Interest in the program is high. Long before application packets are mailed, students from the Summer I program eagerly call to inquire about participation. In addition, preceptors encourage students to reapply and some allow students to continue their research months after the summer program has ended. Whereas only 73 students applied to participate in the Summer II program in 1992, 95 students applied in 1995.

The success of the program continues to escalate with the participation of students at ACS fall national meetings. Approximately 40 SEED students (nine Summer II) from Delaware, Indiana, Massachusetts, Michigan, New Jersey, New Mexico, North Carolina, and Puerto Rico presented their research at the Sci-Mix poster session at the 1995 ACS fall national meeting in Chicago. The student presentations were a great success, with continuous traffic among their posters for the entire two-and-one-half hour event. Two of the students who gave posters at the meeting were Nadine Henderson, a Summer I student from Valleritos, New Mexico ("Characterization of the Ordered, Intermetallic Alloy Ti-24Al-11Nb") and Geoffrey Young, a Summer II student from Detroit, Michigan ("Synthesis and Characterization of Copolymers of Styrene and Vinylbenzylphosphonic Acid Diethyl Ester: Making Polystyrene Hydrophilic"). Copies of Nadine's and Geoffrey's final reports are enclosed.

Recognizing the value of the Summer II program, the ACS Board of Directors approved partial funding of the program for five years, beginning in 1995, which should support approximately 35 students annually. At the Chicago meeting, the Committee on Project SEED examined the funding situation and the number of students enrolled in the Summer II program. In 1995, 95 students were approved to participate in the Summer II program; however only 70 participated in the program. After telephone calls to the preceptors we found that many students took other summer jobs which paid more than the current stipend. As a result of this analysis, the Committee voted unanimously to raise the Summer II stipend from \$1700 (which has not increased since the program was started in



1992) to \$2000 beginning in 1996, to recognize the value of the Summer II students in the lab and to reinforce that hard work pays off and that chemistry or science is a good career with potential for earning a good living.

Since Project SEED has never been formally evaluated, we are currently performing a one-time comprehensive evaluation of the program. The ACS Board of Directors approved \$171,000 to be spent on the evaluation although we plan to spend less than budgeted at \$135,000. Because we only have 1.45FTE dedicated to the program (who administer the Summer I, Summer II and scholarship programs) it was necessary to contract with an external consulting firm to do the evaluation. Their job is to locate the students, design and administer student and preceptor surveys, and analyze the survey results.

The purpose of the evaluation is to quantitatively determine the long-term impact that SEED has on students. The study will determine how Project SEED has affected the educational and career choices of its participants. Statistical data on how many students finish high school, go to college, study science, major in a chemical science, and attend graduate school will be acquired. Additionally we will be asking students to tell us how we can improve the program. Lastly, five case studies will be generated from five individuals for whom Project SEED was particularly influential.

The results of the evaluation will quantitatively show potential funders that SEED can and does change the course of a student's life for the better. Intuitively we know that SEED is proven to be a cost effective intervention program for economically disadvantaged youth and is instrumental in encouraging under-represented groups to consider science as a career. These students are unlikely to find another opportunity that provides one-on-one attention from a dedicated volunteer scientist mentor. Although all SEED students may not go on to study science, all of them will definitely have had their horizons broadened and their understanding of their own potential and self-worth reinforced. For those that do choose science as a career, SEED was instrumental in their decision. The evaluation will help validate or correct these perceptions.

On behalf of the Committee on Project SEED and the hundreds of students and preceptors involved, thank you for your generous support. Your foresight has helped Project SEED expand and to further encourage students in science. As always, we will send you a copy of the annual summary report on Project SEED, scheduled to be available in early November.

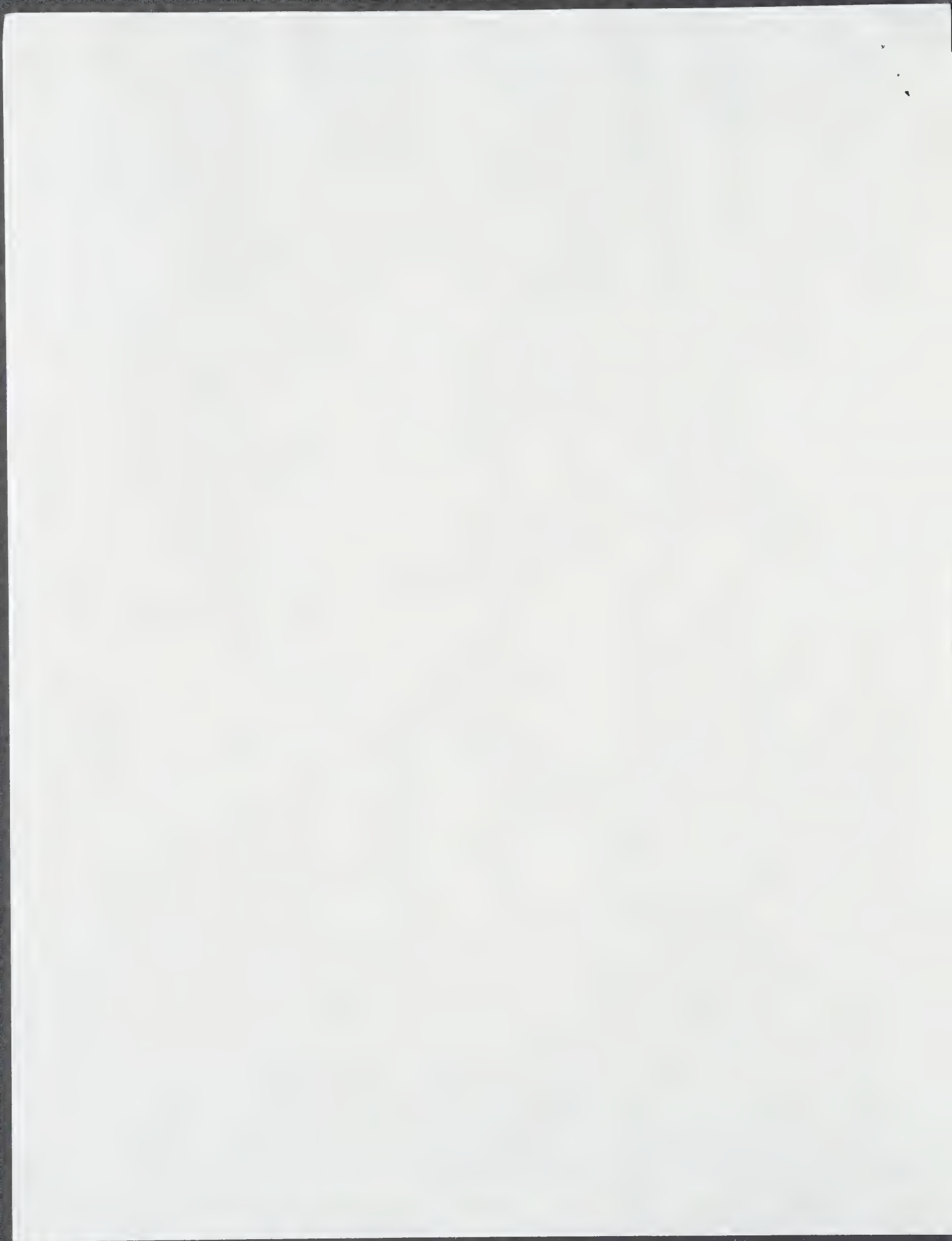
Sincerely,



Martha K. Turckes, Manager
Office of High School Chemistry

cc: Christine Brennan
Jennifer D'Elia
Al Heininger
Herb Silber
Sylvia Ware

Enclosures



FAX FROM

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

A Chemist Helping Chemists

August 10, 1995

TO: Ms. Barbara E. Pralle
Acting Manager, Book Acquisitions
FAX: 202/872-6337

Page 1 of 3

Dear Barbara:

Thank you so much for your thoughtful fax of today, but why the formality of addressing me as 'Dr. Bader'?

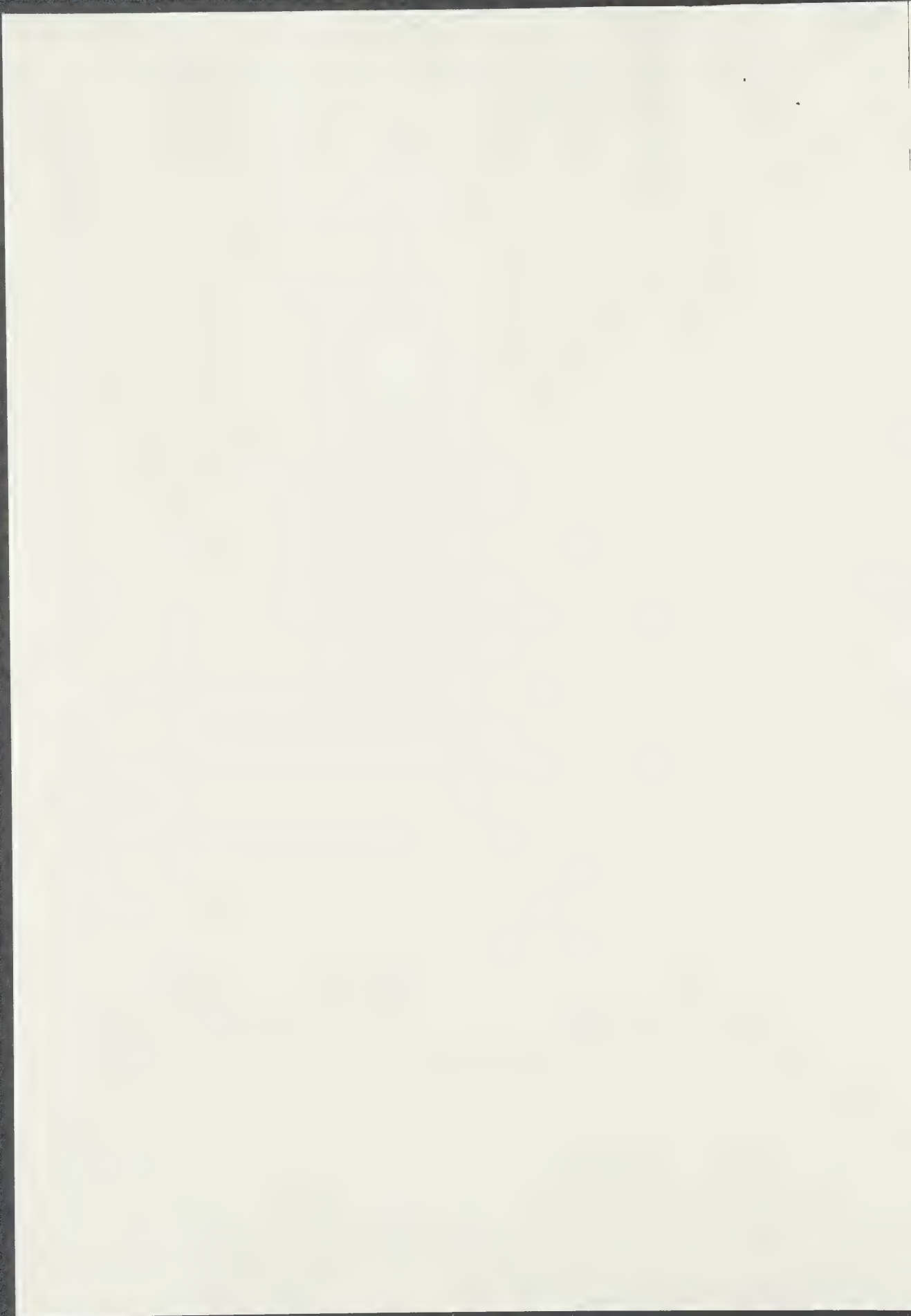
To answer your questions one by one:

Dr. Ada Nielson is in charge of the DSChB symposium. Her address is c/o Capstone International, 546 Timber Lane, Lake Forest, IL 60045; her phone number is 708/234-3466, and her fax is 708/234-4134. However, I have not been able to reach her computerized fax with my fax. Her associate told me that Dr. Nielson has received all sorts of faxes from the ACS in Washington.

Clearly, the decision of just when the book-signing should be at that Symposium should be left to Dr. Nielson. I could easily be at that meeting at the University Club at 11:45, which is the time the last morning lecture ends, with the luncheon to begin at noon.

Of course, you must not break your agreement with Trafalgar, but would it not be acceptable - if you cannot get enough books on time - for me to bring books by car and then to have Trafalgar send me exactly the number that I have delivered to the book-signing?

I am sure that *C&E News* will publish a review before long. George Kauffman did send me a draft of his very long review for *Angewandte Chemie*, but this was just a draft on which I made some factual corrections.

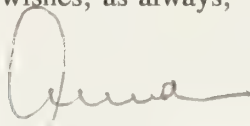


Ms. Barbara E. Pralle
August 10, 1995
Page 2

In the meantime, a good many reviews have appeared, mainly in Canada and Britain, where the books are selling very well. I attach the review that appeared in the July issue of *Chemistry in Britain*.

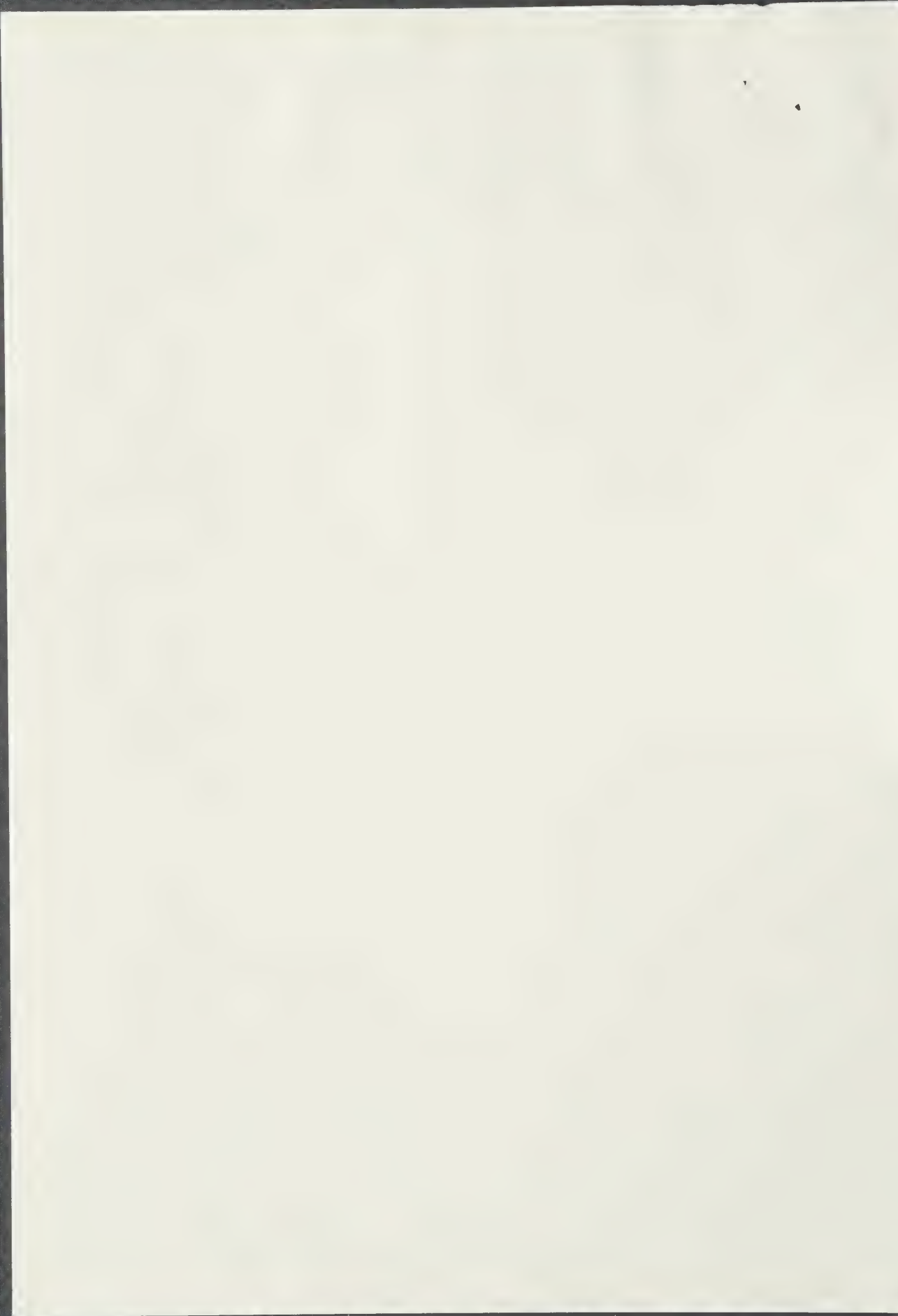
Isabel and I much look forward to seeing you in Chicago.

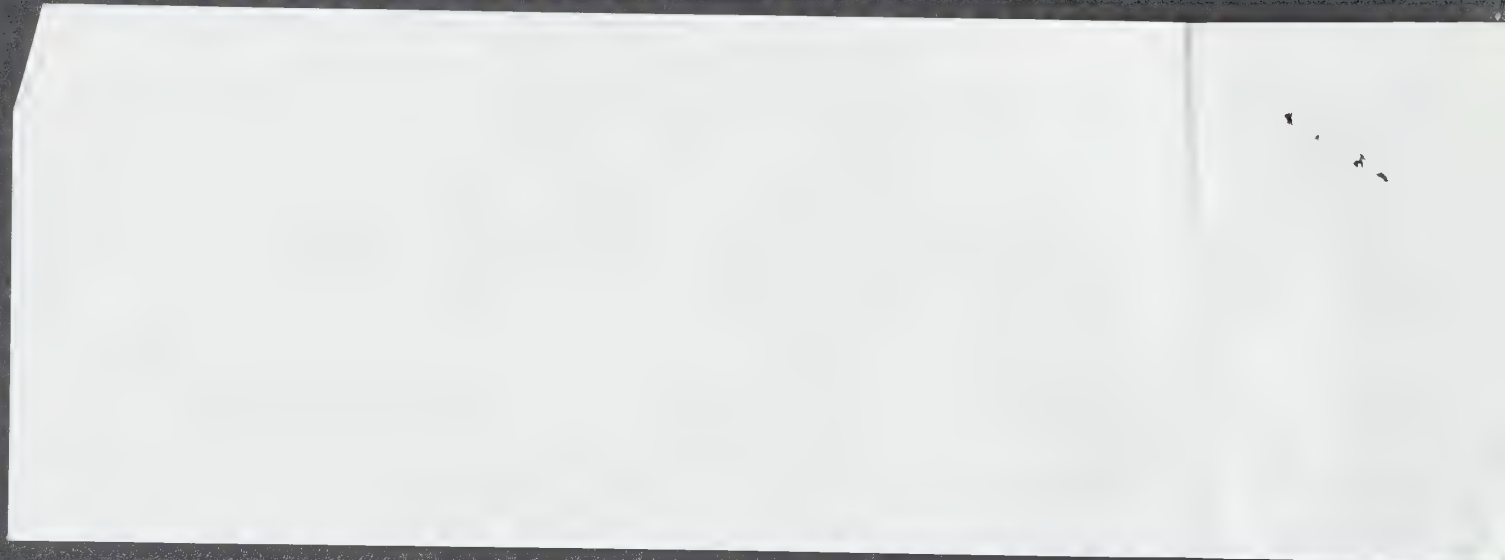
Best wishes, as always,

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

AB/cw

Ofc Ph: 414/277-0730
Ofc Fax: 414/277-0709







ACS BOOKS

American Chemical Society Books Department

1155 Sixteenth Street, N.W.

Washington, D.C. 20036

Phone (202) 462-4304

August 10, 1995

Dr. Alfred Bader
296 North Shepard Avenue
Milwaukee, Wisconsin 53211
Fax: (414) 277-0709

Dear Dr. Bader

I have forwarded your request to sign and sell books at the Division of Small Chemical Businesses luncheon to Naomi Kraker in our Marketing Department. She will determine how best to prepare for this event. In order to do so we will need to know when and where you would do the book signing. The schedule you sent indicates that there is another speaker scheduled to follow you. If you were planning to do the signing and selling right after your talk will there be enough time? We are a little short on staff for the National Meeting this year and we can't commit to having someone sell the books for the entire day. We can probably have someone arrange to bring and sell the books during the lunch. Would it be appropriate to do this within the luncheon room or in the hallway? Dr. Ada Nielsen's fax number came through a bit blurry on the fax. Please send us her phone and fax numbers and explain why she has been copied on the correspondence.

Our agreement with Trafalgar requires us to purchase and acquire all of your books directly from them. We will violate the agreement if you bring the books to the signing. We can arrange to have the books sent to Chicago.

Your volume will most definitely be advertised and promoted at the ACS book stand. The goal of the book stand is to promote all our books. We sell some of our titles at the stand, however due to space constraints and the large number of books we publish we can not stock the booth with many extra sale copies. We do take orders for books and process these orders as quickly as possible. It is our experience that the attendees often prefer to have us ship the book to them so that they do not need to carry one more item in their luggage.

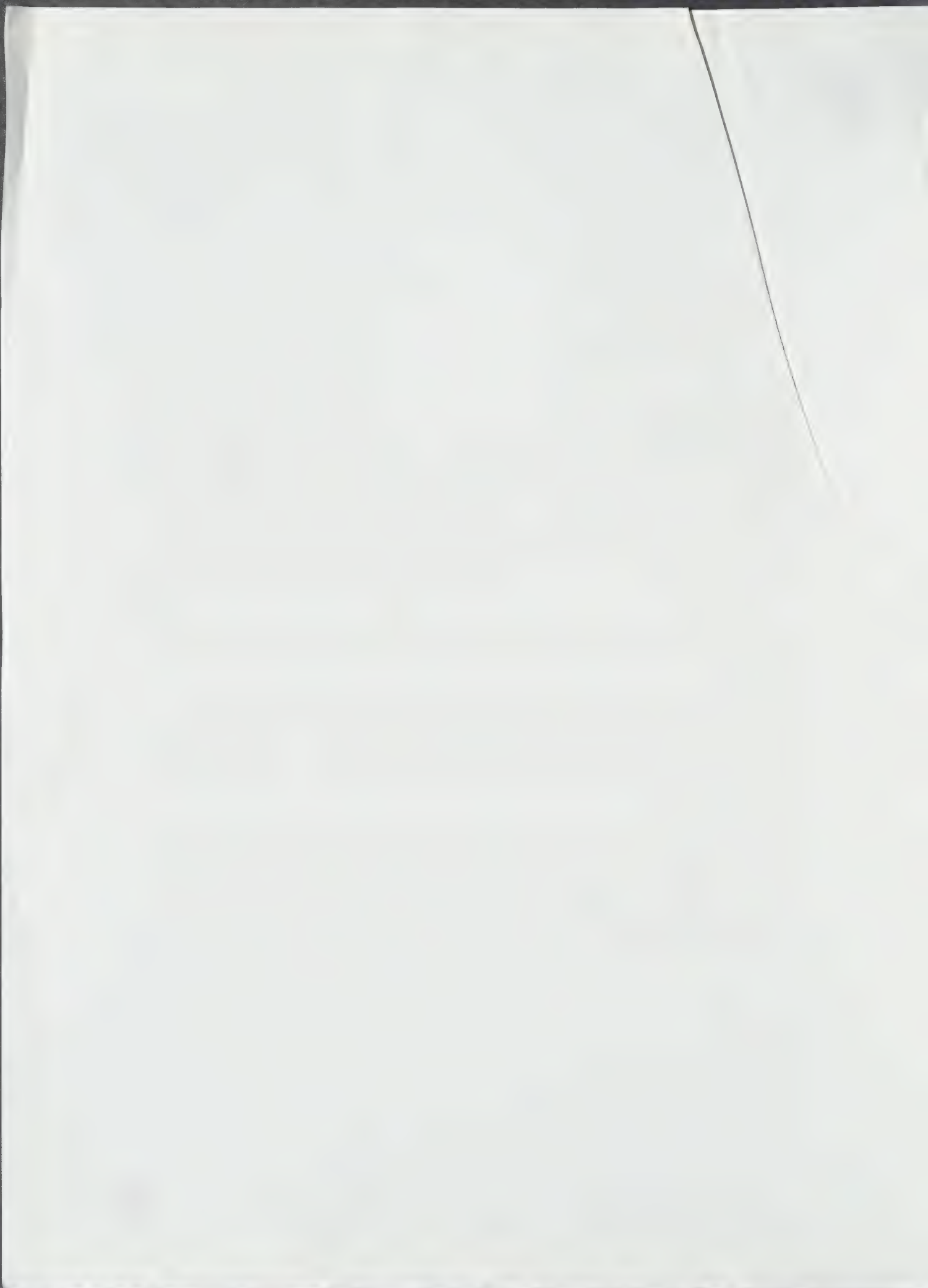
With regard to your query on book reviews, I did send a complimentary review copy of your book to C&E News several months ago. I have asked them to let me know as soon as possible if they will review the book in the near future. Unfortunately we do not have any say in which books they choose to review, however I have highly encouraged them to seriously consider reviewing your book. As you already know I also sent a complimentary copy of the book to George Kauffman. If you have a copy of Dr. Kauffman's review I would appreciate it if you could forward a copy to my attention. At this point I will continue to prompt and encourage C&EN to review your book.

I will be attending the ACS National Meeting in Chicago and hope to have an opportunity to see you both.

Best of Wishes,


Barbara E. Pralle
Acting Manager, Book Acquisitions





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

A Chemist Helping Chemists

August 16, 1995

To: Ms. Naomi Kraker
Publications Division
American Chemical Society
Fax: 202/872-6005

Dear Ms. Kraker:

Thank you for your fax of today.

My wife and I plan to arrive at the Small Chemical Business Symposium at the University Club at around 11:30 and then stay for lunch and one lecture after lunch, that of Dean Spatz.

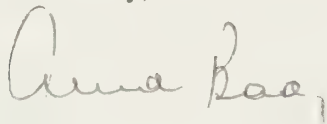
Thus, the only time we will have for the book-signing will be around lunch, but that should really be enough time: I sign quickly!

We plan to park our car across the street from the University Club and have extra books in the trunk. These come packed in handy packages of 10, and in the unlikely event that the books at the luncheon "sell out", we can get some more from the car. I talked to Mr. Paul Feldstein at Trafalgar, and he agreed that he would send me replacements for whatever I gave away of my own books and would then bill you for those. This surely is straightforward and easy insurance.

As you will also be selling the book at the booth at the exhibition, I would be happy to sign some books there if you should wish.

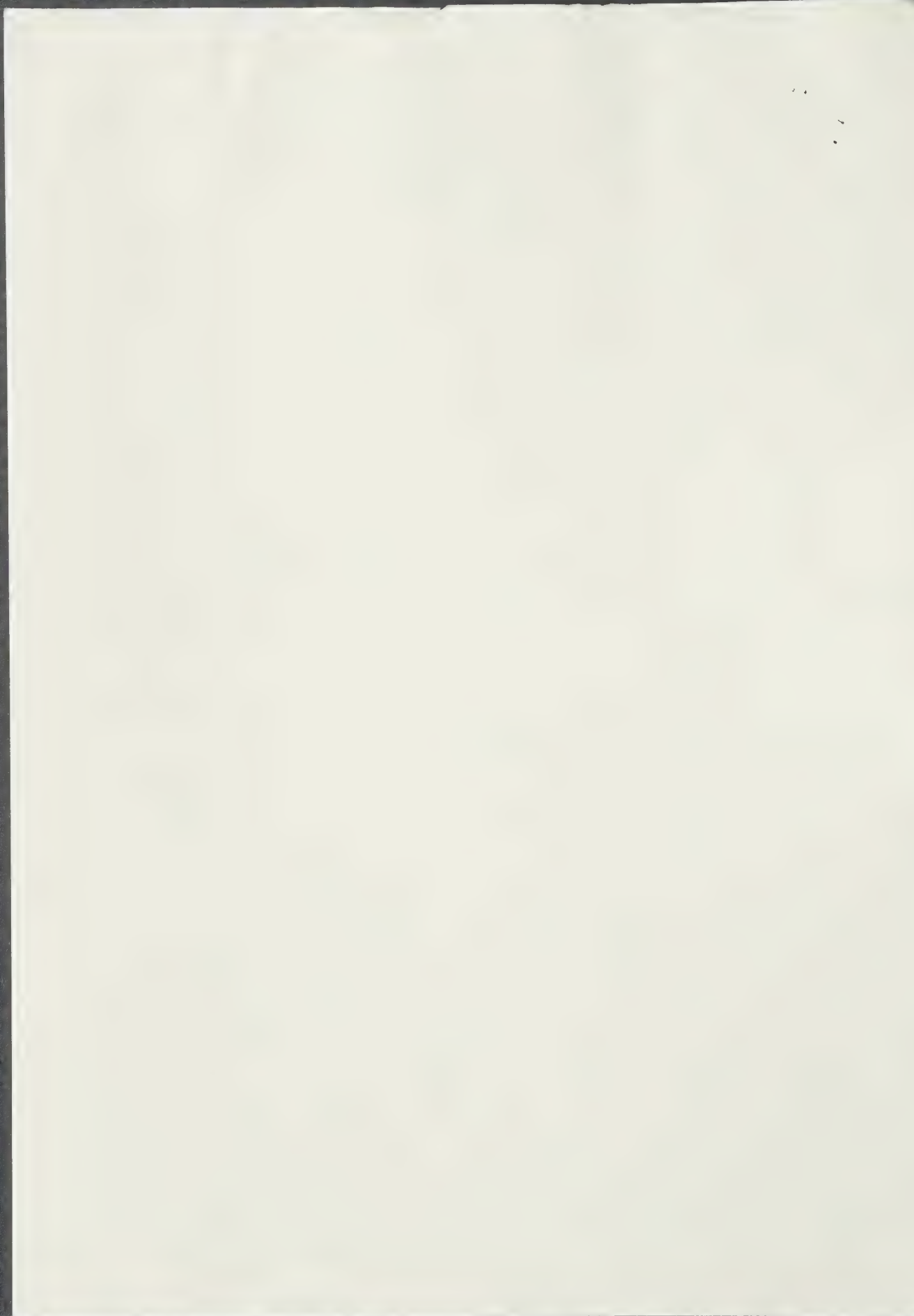
With many thanks for your help and best regards to you and Barbara Pralle, I remain,

Yours sincerely,



AB/cw
cc: Dr. Ada C. Nielsen (by mail)

Ofc.Ph.: 414/277-0730
Ofc.Fax: 414/277-0709



TRANSACTION REPORT

FOR: HUBER BADER FINE ARTS 4142700709

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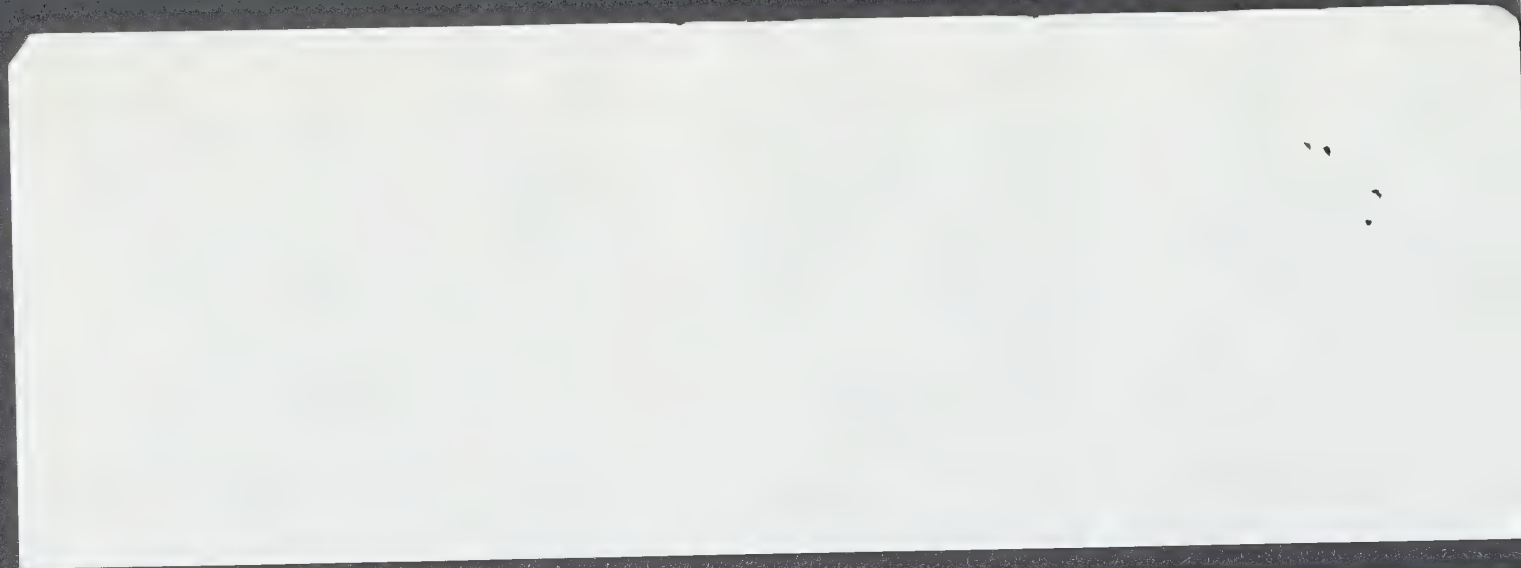
PAGES

VALUE

10000.00

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10000.00





Publications Division
Marketing Department
Naomi Kraker

American Chemical Society

1155 SIXTEENTH STREET, N.W.
WASHINGTON, D.C. 20036
Phone: 202 872 8062
Fax: 202 872 8060

August 16, 1995

Dear Barbara Pralle:

Thank you for your letter.

With Best Regards,

Barbara Pralle has asked that I coordinate a book signing in conjunction with the Small Chemical Business symposium at the Chicago meeting. I have been in contact with Ada Neilson (actually, our voice mail systems have been communicating) and arrangements are being made.

Mrs. Neilson suggested the coffee breaks and lunch break as appropriate times for the signing/sale of your book. The coffee breaks are at 10:30am and 3:00pm, lunch is 11:45 until 1:30. Unfortunately, we cannot commit to the entire day, but would be able to staff the morning break and lunch. Are you planning on arriving at the University Club before the luncheon? If not, we will have a lunch-time event only.

I am shipping 75 copies of the book to the meeting. I haven't been able to discover how many attendees are expected, so I'm not certain this will cover demand. If you are willing to toss some extra copies in your car in case it's a "sell out", we will see that we are billed by Trafalgar for the number of copies with which they reimburse you.

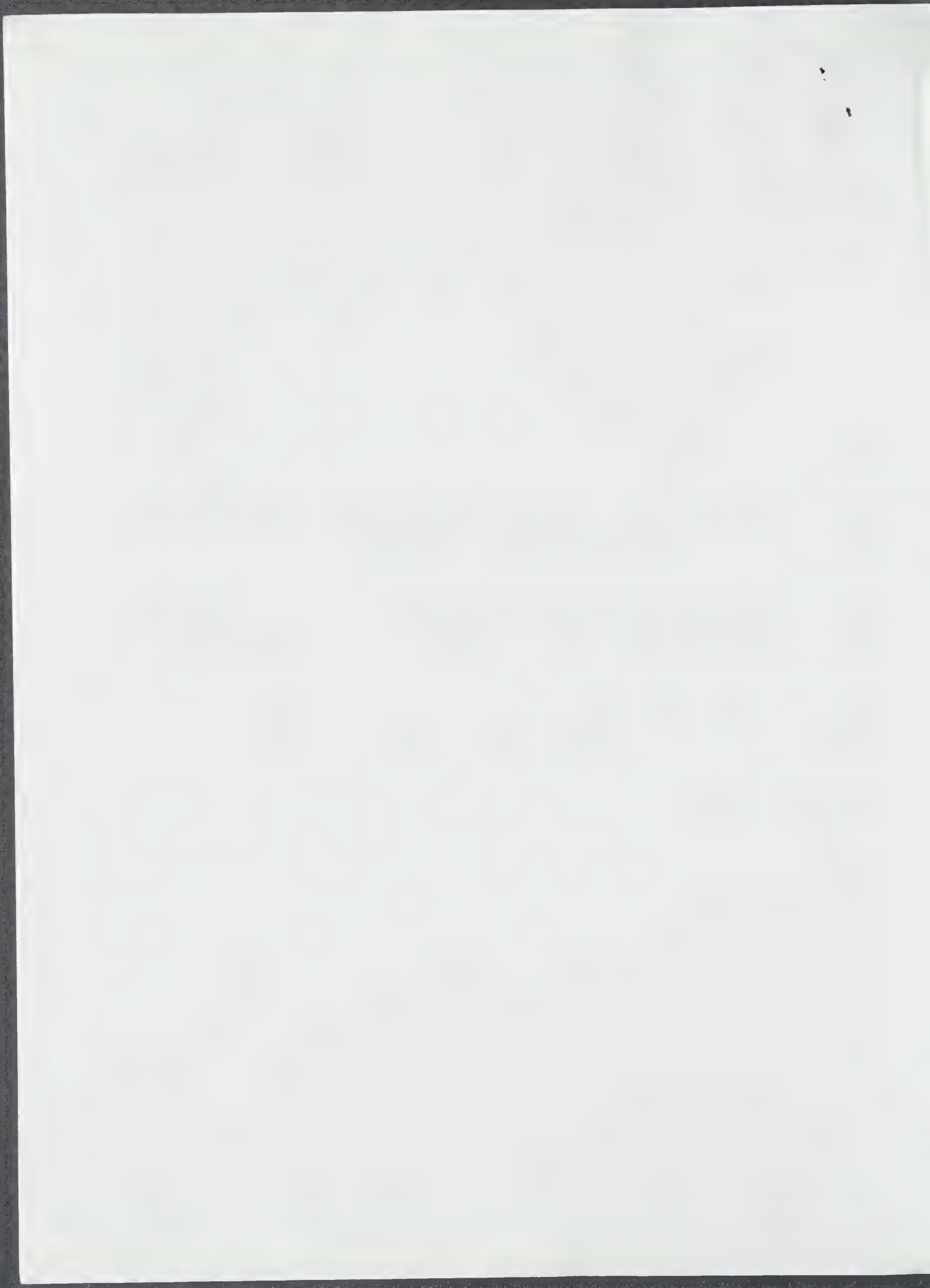
Please feel free to contact me directly should you have any questions or concerns.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Naomi Kraker'.

Naomi Kraker

cc: B. Pralle





FAX FROM

ALFRED BADER FINE ARTS

DR. ALFRED BADER

ESTABLISHED 1961

August 1, 1995

To: Ms. Ada C. Nielsen
Capstone International
Fax: 708/234-4134

Top file

Dear Ms. Nielsen:

Thank you for your gracious letter of July 10th.

Of course, I am honored to be nominated to receive the Distinguished Fellow Award. Ken Greenlee is one of my oldest chemist friends, and I will have a very hard time following in his footsteps!

Would you like to have a book-signing of my autobiography? The book is distributed in this country by Trafalgar Square, and the American Chemical Society has signed a contract and is receiving a 50% discount. I presume that the ACS would be willing to share the discount with you in some manner. Please do let me know whether this is desirable.

The first book-signing at a chemical meeting was at that of the Chemical Institute of Canada in Guelph in May, but there the Canadian distributor had supplied only 100 copies, which were sold within less than an hour. But how do you ever know how many chemists will be interested in such a book?

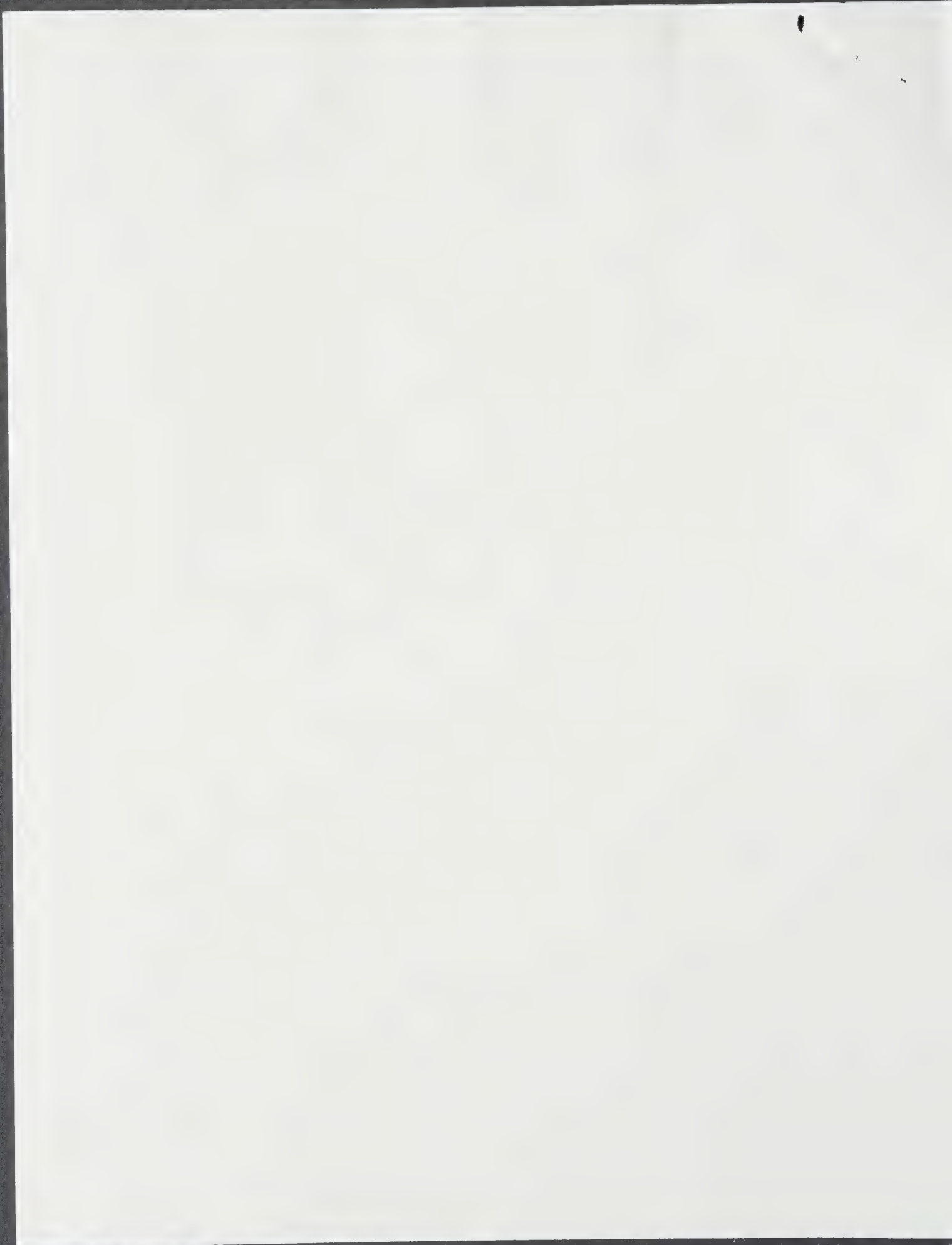
In any case, I much look forward to hearing and then to seeing you in Chicago.

With all best wishes, I remain,

Yours sincerely,

AB/cw

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



TRANSMISSION REPORT

FILE: W-111 WITH TIME REF: 1.1.1.1

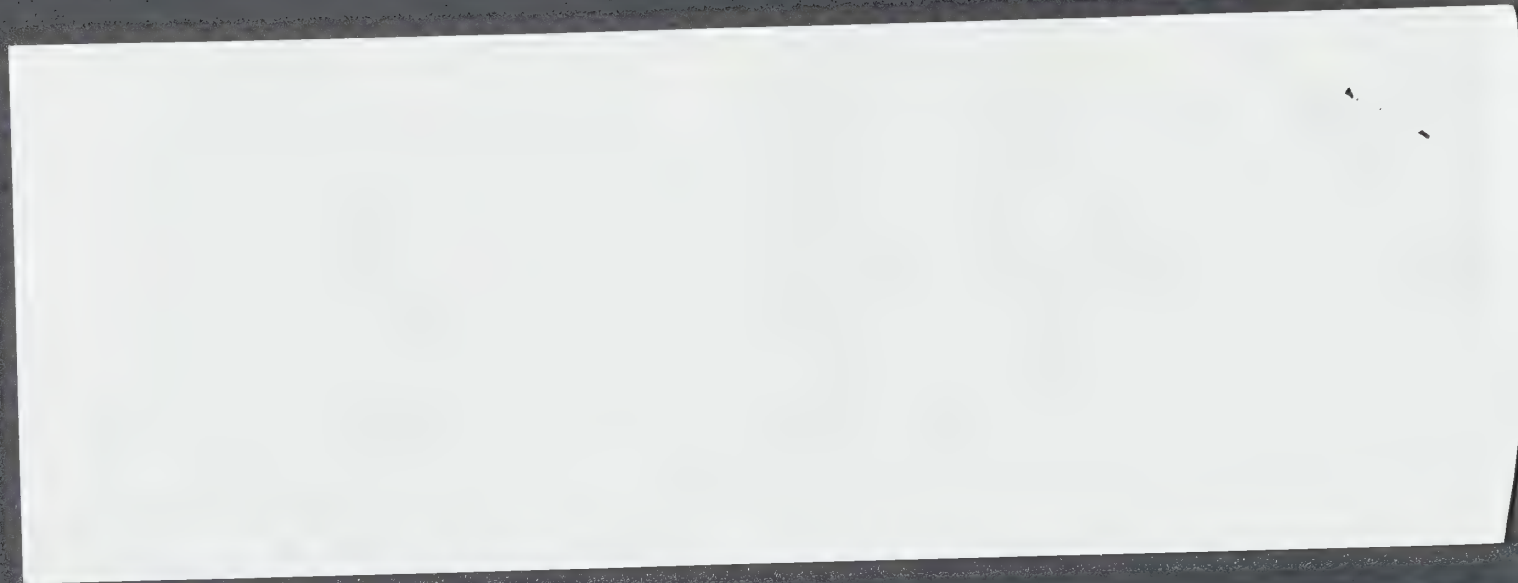
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TIME

DATE

17-11-1944





Division of Small Chemical Businesses

American Chemical Society

1995 Officers

Chair

Robert A. Dollinger

Pressure Chemical Co.
3419 Smallman Street
Pittsburgh, PA 15201
412-682-5882, ext. 214
412-682-5864 fax

Chair-Elect, Membership

George V. Austin II

ChemDesign Corporation
508-345-9999, ext. 3017
508-342-9769 fax

Secretary

Ada C. Nielsen

Capstone International Ltd
708-234-3466
708-234-4134 fax

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203-287-9197 fax

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Chemical Abstracts Service
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614-447-3713 fax

Councilor II

Dr. Michael E. Strem

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508-465-3104 fax

Alternate Councilor I

Dr. Robert E. Robinson

Lindau Chemical Company
803-799-6863
803-256-3639 fax

Alternate Councilor II

Dr. Edward Huffman, Jr.

Huffman Laboratories, Inc.
303-278-4455
303-278-7012 fax

Program Chair

Dr. Newman H. Giragostian

Delphi Marketing Services
212-534-4868
212-369-6390 fax

Nominations & Elections

Loren C. McBride

GFS Chemicals
800-858-9652
614-881-5989 fax

Auditing Committee

E. Gerald Meyer

Coal Technology Corporation
307-745-5045

Expositions

Paul Tornstrom

Karl Industries
216-562-4100
216-562-4068 fax

Monday, July 10, 1995

Dr. Alfred Robert Bader
2961 N. Shepard Avenue
Milwaukee, WI 53211-3435

Dear Dr. Bader:

It gives our Division great pleasure to inform you that we have selected you to receive our Distinguished Fellow Award. Mr. Robert Dollinger, our Chairman, will present it to you at the luncheon where you are will be speaking on August 23, 1995, in Chicago.

We created the Award of Distinguished Fellow for meritorious service to the Division, to ACS, and to the chemical industry. Dr. Kenneth Greenlee, editor of the Division newsletter for fifteen years and past officer, was the first recipient of this Award in January of this year.

We look forward to our Symposium and are delighted with your agreeing to be our luncheon speaker. We trust that you will also accept our Award and good wishes.

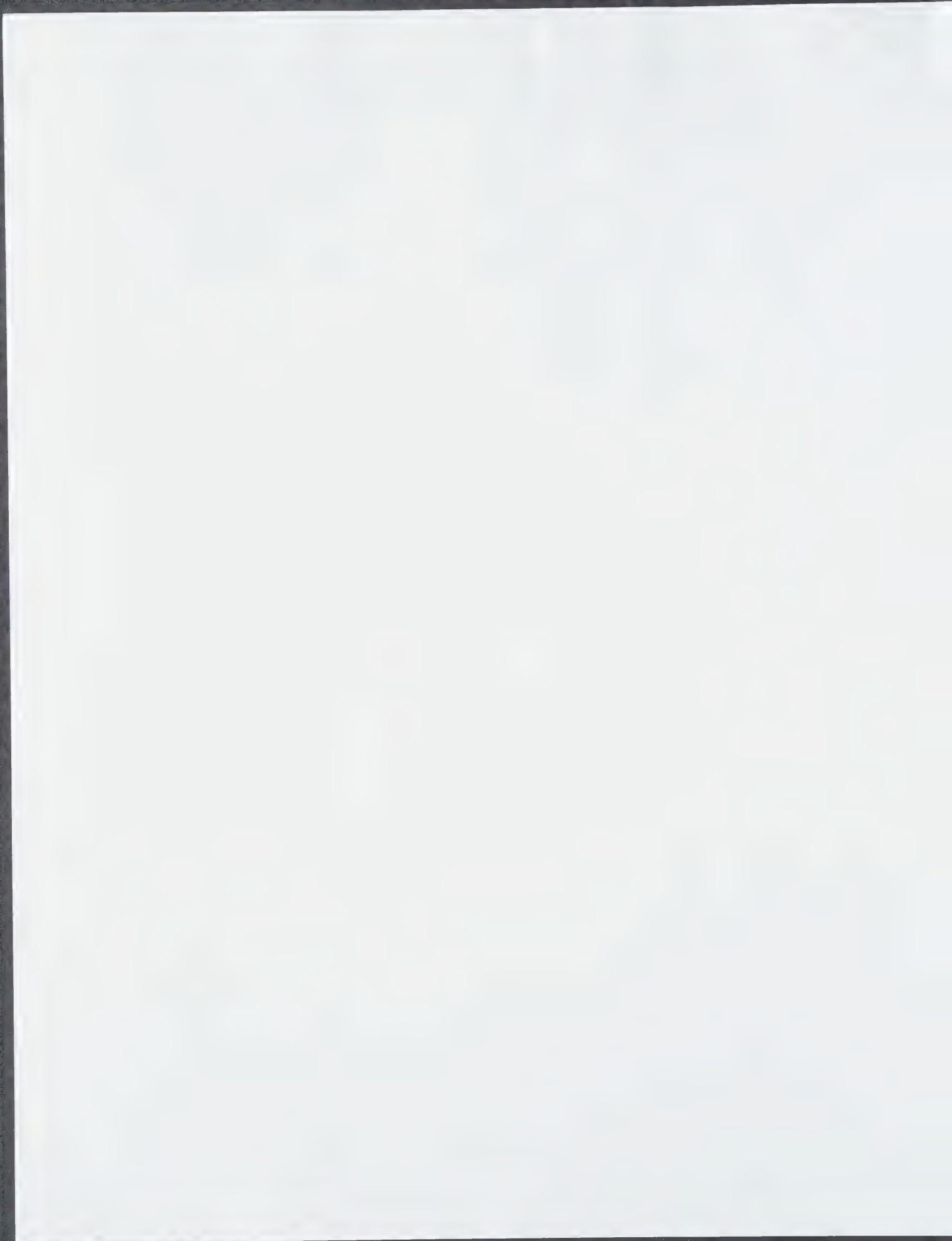
Sincerely,

Ada C. Nielsen

National Meetings

Anaheim, April 2-5, 1995

Chicago, August 20-24, 1995



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

July 18, 1995

Ms. Ada C. Nielsen
Capstone International
546 Timber Lane
Lake Forest, IL 60045

Dear Ms. Nielsen:

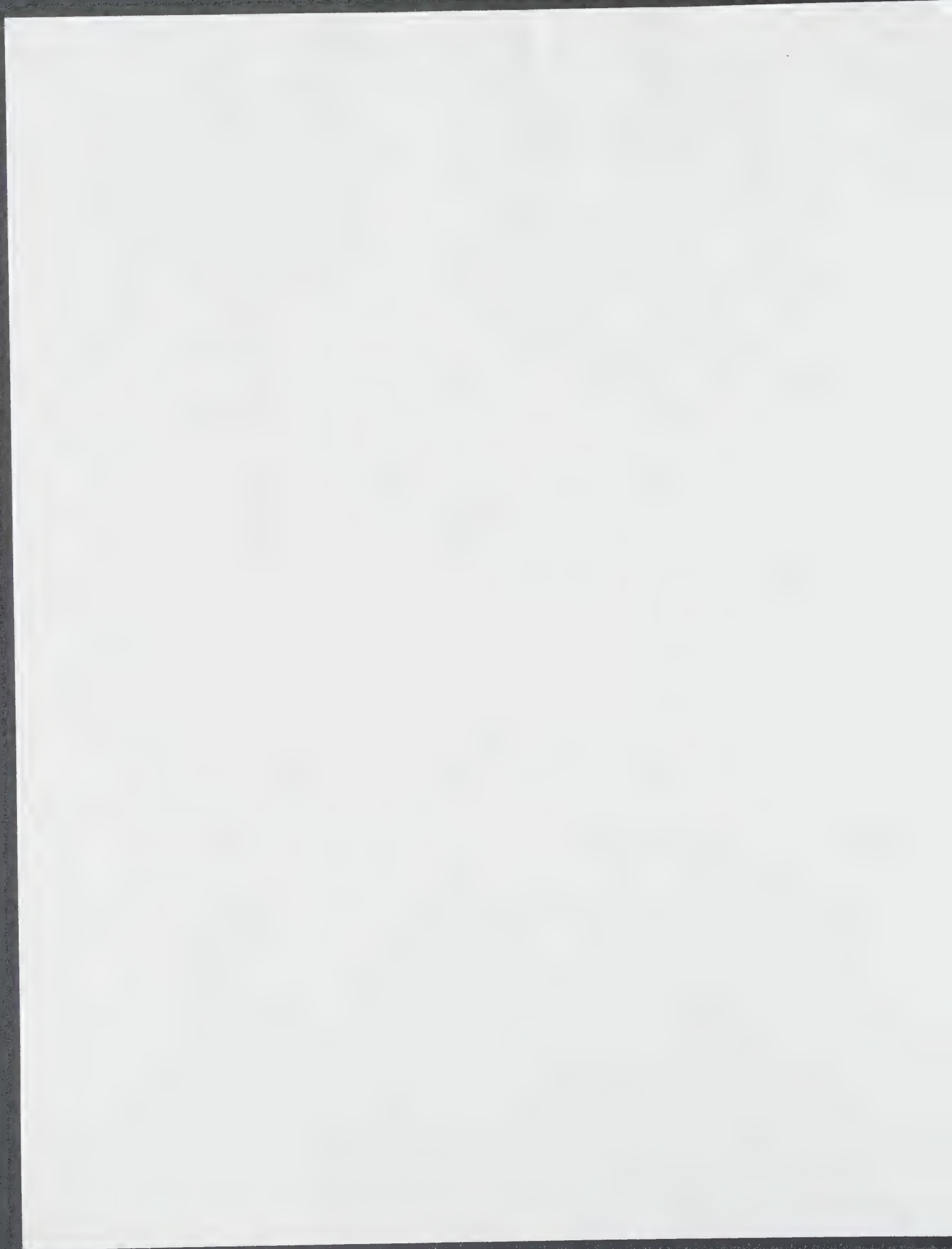
Thank you for your letter of July 10th to Dr. Bader.

Dr. and Mrs. Bader are in England through the end of the month, and he will reply personally upon his return to Milwaukee.

Best wishes,

A handwritten signature in cursive script that reads "Cheryl Weiss". The signature is written in dark ink and is positioned above the typed name and title.

Cheryl Weiss
Office Manager





ALFRED BADER FINE ARTS

DR. ALFRED BADER

ESTABLISHED 1961

March 31, 1995

Ms. Ada C. Nielsen
Capstone International
546 Timber Lane
Lake Forest, IL 60045

August
Chicago
H.P. file

Dear Ms. Nielsen:

Thank you for your kind letter of March 29th.

I am honored by your invitation to be your symposium luncheon speaker in Chicago on Wednesday, August 23rd.

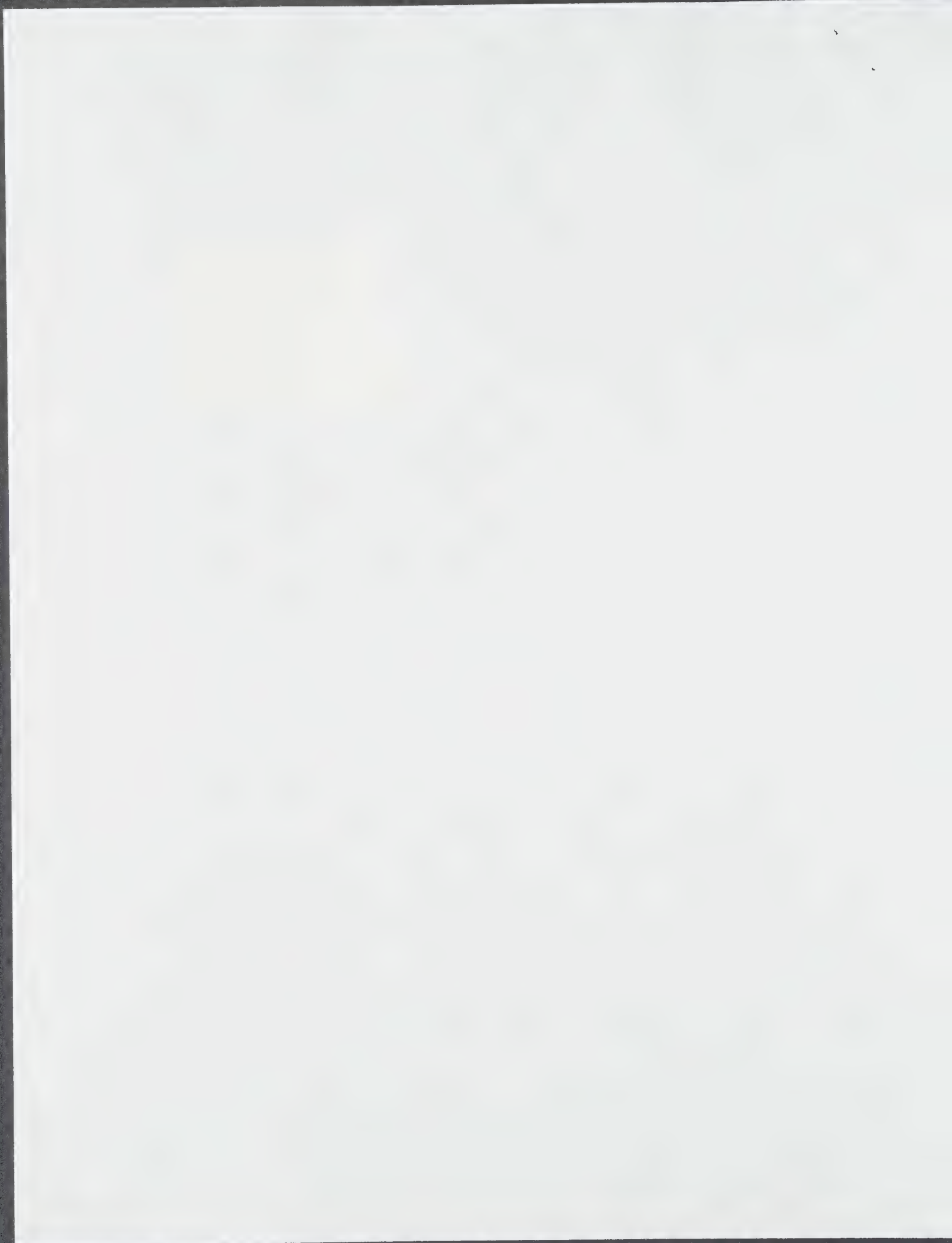
I would love to accept, but see the following problem: My best talk would be essentially the talk which I gave at Informex in Nashville, but surely most of the people at your luncheon will have been at Informex and so are likely to fall asleep. Of course, I could make changes in the slides, because I have so very much information. but still it would be very much the same story.

I enclose a "menu" of my speeches, and you might find something there of greater interest.

Also, my autobiography, *Adventures of a Chemist Collector*, has just been published by Weidenfeld & Nicolson in London and will be distributed in the United States by Trafalgar Square. The American Chemical Society has agreed to market the book which retails at \$25.00, and Trafalgar is giving the ACS a 50% discount. I enclose a copy of the cover and of the table of contents, from which you will see that about half of the chapters deal with chemistry. In fact, in some ways, it is a mini-history of the fine chemical industry between 1950 and 1990.

If you would like to arrange it, I would be happy to sign books and I presume that our division could arrange with the ACS to share the discount given by the distributor.

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





Ms. Ada C. Nielsen
March 31, 1995
Page 2

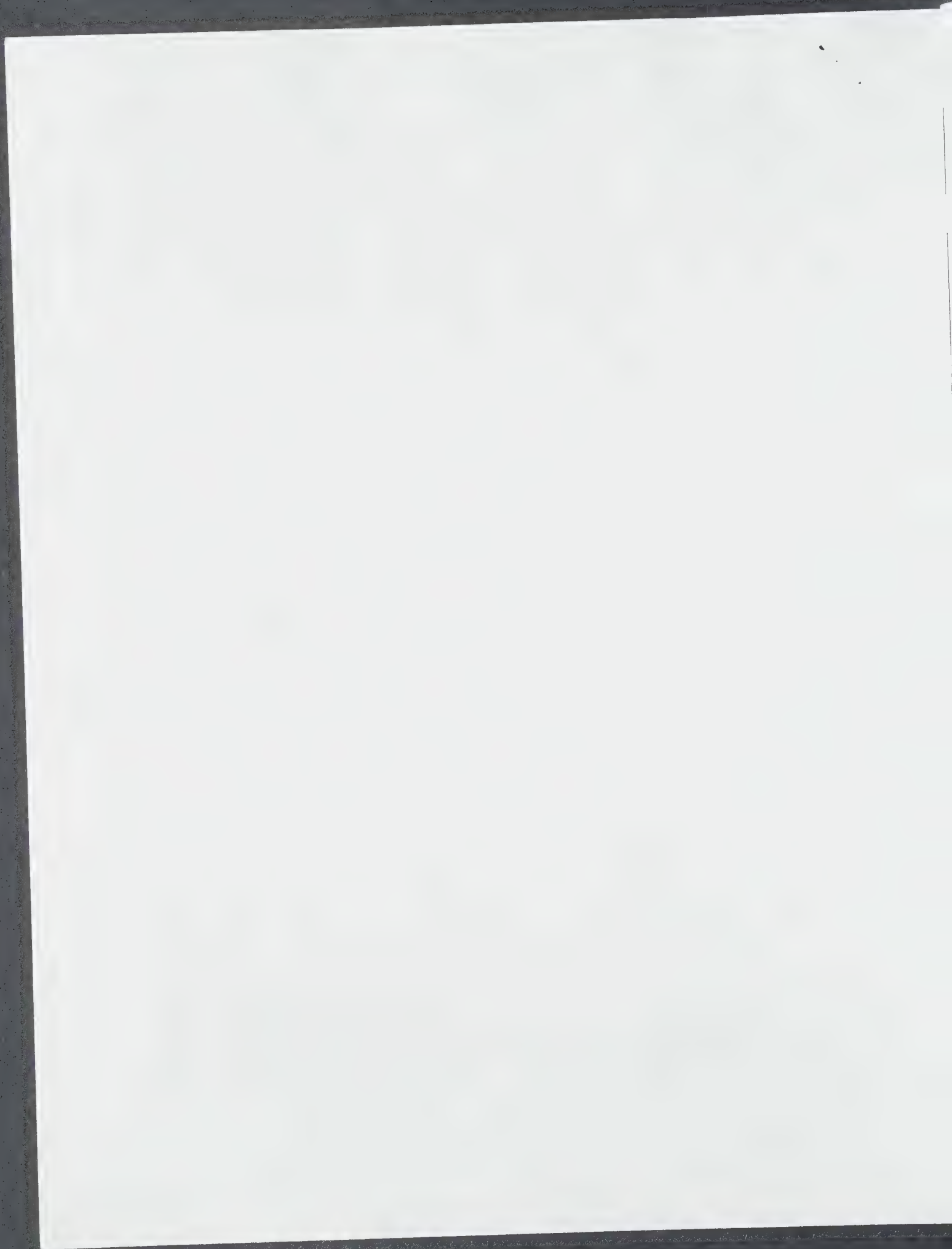
As you saw in Nashville, I work very closely with my wife, Isabel; am I correct in thinking that if I will be the luncheon speaker that neither she nor I would have to pay the \$150 fee? Of course, I have been a member of the Division of Small Chemical Businesses for a long time.

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

Yours sincerely,

AB/cw

Enclosures





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American Chemical Society

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Pittsburgh, PA 15201
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412-682-5864 fax

March 29, 1995

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508-342-9769 fax

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307-745-5045

Expositions

Paul Tornstrom

Karl Industries
216-562-4100
216-562-4068 fax

Dr. Alfred Robert Bader
2961 N. Shepard Avenue
Milwaukee, WI 53211-3435

Dear Dr. Bader:

This letter is to ensure that you see the mention of your talk at the SOCMA Informex Trade Show in Nashville in the Division newsletter (page 3). I was there and was fascinated (and impressed) with your presentation at your standing-room-only talk.

It is very gratifying to know that you are (and have been) a member of our Division. You are an inspiring role model for our entrepreneurs. In this spirit, all the Officers of the Division of Small Chemical Business join me in extending our warmest invitation to be our luncheon speaker at the symposium we are cosponsoring with AIChE on Wednesday, August 23. I am enclosing a copy of the preliminary flyer. We are beginning the process of lining up the speakers for the sessions. You would be such an extraordinary speaker for us, combining your scientific expertise with great business success (as well as the bonus of your love of art). We hope you will accept. We would be honored.

I shall give you a telephone call next week to see if this is possible. Thank you.

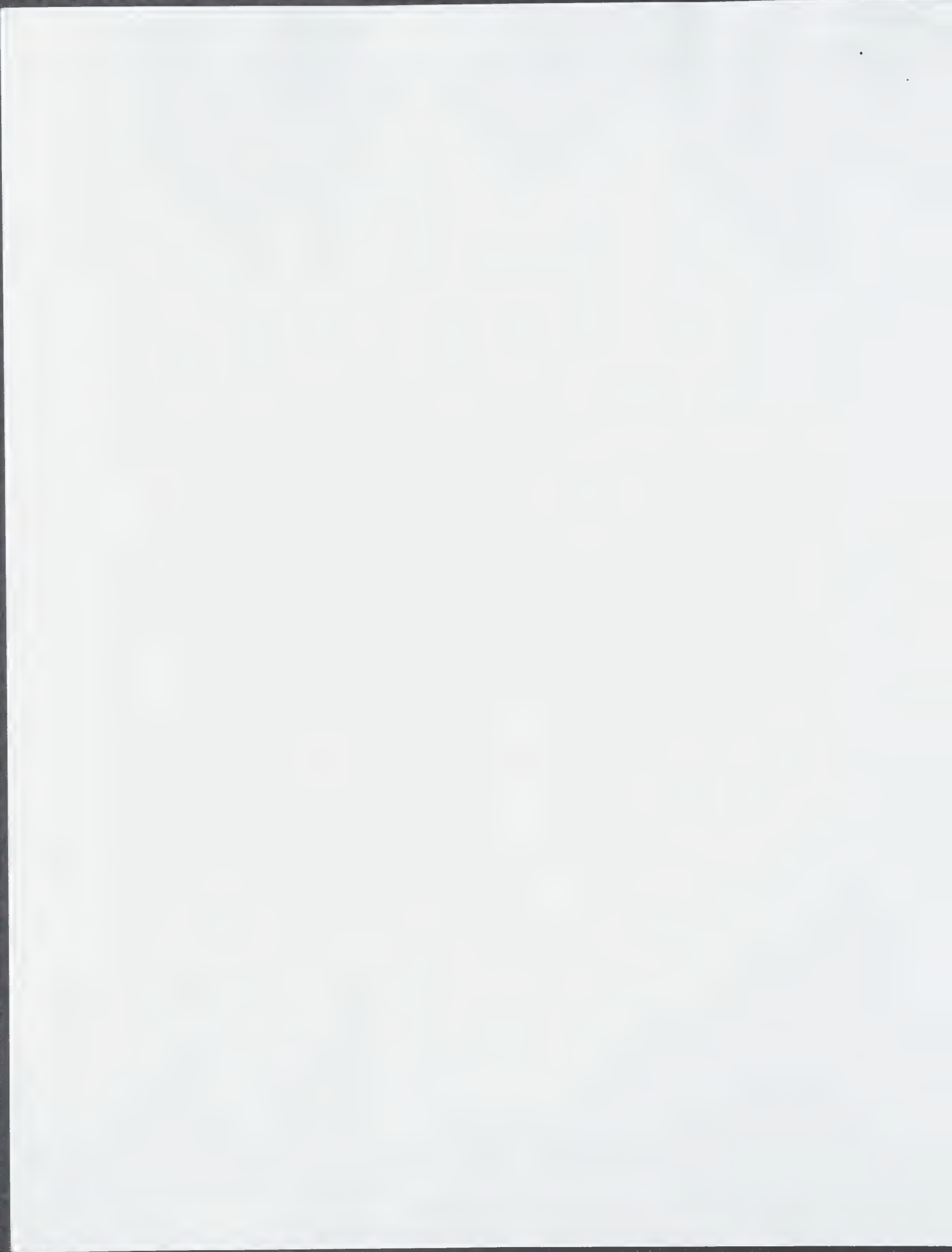
Sincerely,

Ada C. Nielsen

National Meetings

Anaheim, April 2-5, 1995

Chicago, August 20-24, 1995



Treasurer's Report

Gene Humphrey

The full Treasurer's Report will be presented in Anaheim at the Meeting of the Membership, but from August through the end of 1994, the following applies:

Revenue:	
Dues from ACS	\$10,366
Direct Dues & ads	\$ 1,067
Councilor Travel	\$ 175
TOTAL REVENUE	\$11,608
Expenses:	
Washington	\$10,360
Awards	\$1,965
Newsletters	\$2,500
Booth Advance	\$ 750
Miscellaneous	\$ 500
TOTAL EXPENSES	\$16,795

Revenue Less Expenses: (\$5,187)
or a net reduction in funds of \$5,187

BALANCES

As of December 31, 1994, the Division had

Checkbook	\$ 4,276
30-day CD's	\$27,910
TOTAL ASSETS: \$32,186	

There are no outstanding liabilities.

The Division remains in a strong financial position. New advertising revenues are expected for both the Directory and the Newsletter. New members represent an opportunity for new revenue.

Newsletter late due to computer changeover in Columbus

For those of you who read C&E News about the snafus being caused by the new computer system, please be advised that it is real. Labels were over a month late in being received despite being placed on a priority recipient list. We are counting on resolution of this in order to send all the subsequent mailings, including the Directory.

Letters to the Editor

December 1994

Dear Editor

I would like to suggest that a membership book might be of interest which lists the members of DSChB. Two of the other professional organizations which have smaller memberships issue membership lists each year. Maybe an electronic bulletin board would be better for this organization which must have over 1000 members. This is a little large for a membership list, but an electronic bulletin board might be appropriate. Thanks.

Ron Spence

Lubricant Additives Research Co.
875 Mt. Pleasant Road
Clinton, Ohio 44216

Editor's response: You know the cliché about "Great Minds...." We had discussed and planned to issue a directory of members (which includes advertising) during 1995. On the other hand, your idea of the electronic highway will suit many members. Others have corporate guidelines that prevent ready access to the Internet. We hope to be able to accommodate all through a combination of e-mail and our newsletters.

Letter to the readership from the Editor:

Dear Readers:
Many of you understand, but perhaps there are others of you who are unaware that I am editor of

dschb

on a **volunteer** basis. I know that I have made, and am certain that I shall continue to make, mistakes. Please accept my volunteer apologies in advance.

Re submission of news articles and press releases: press releases need to be limited to a paragraph (and picture if applicable), articles should contain 500 words or fewer. Otherwise it leaves me with the enormous task of writing, editing, etc., and frankly, I do not have the time to do this.

Thank you to all of you who have taken the time to respond. Keep the cards and articles coming.

Ada Nielsen, Editor

1994 Officers of the Division of Small Chemical Businesses

- Chair: **Robert A. Dollinger**
 Chair-elect: **George V. Austin II**
 Secretary: **Ada C. Nielsen**
 Treasurer: **Eugene B. Humphrey**
 Councilor: **Dr. Alexandra Melnyk**
 Councilor: **Dr. Michael E. Stren**
 Alt. Councilor: **Dr. Robert Robinson**
 Alt. Councilor: **Dr. Ed Huffman, Jr.**
 Program Chair: **Dr. N. H. Giragosian**
 Expositions: **Paul Tornstrom**

DSChB is published four times a year for the benefit of members of the Division of Small Chemical Businesses, American Chemical Society.

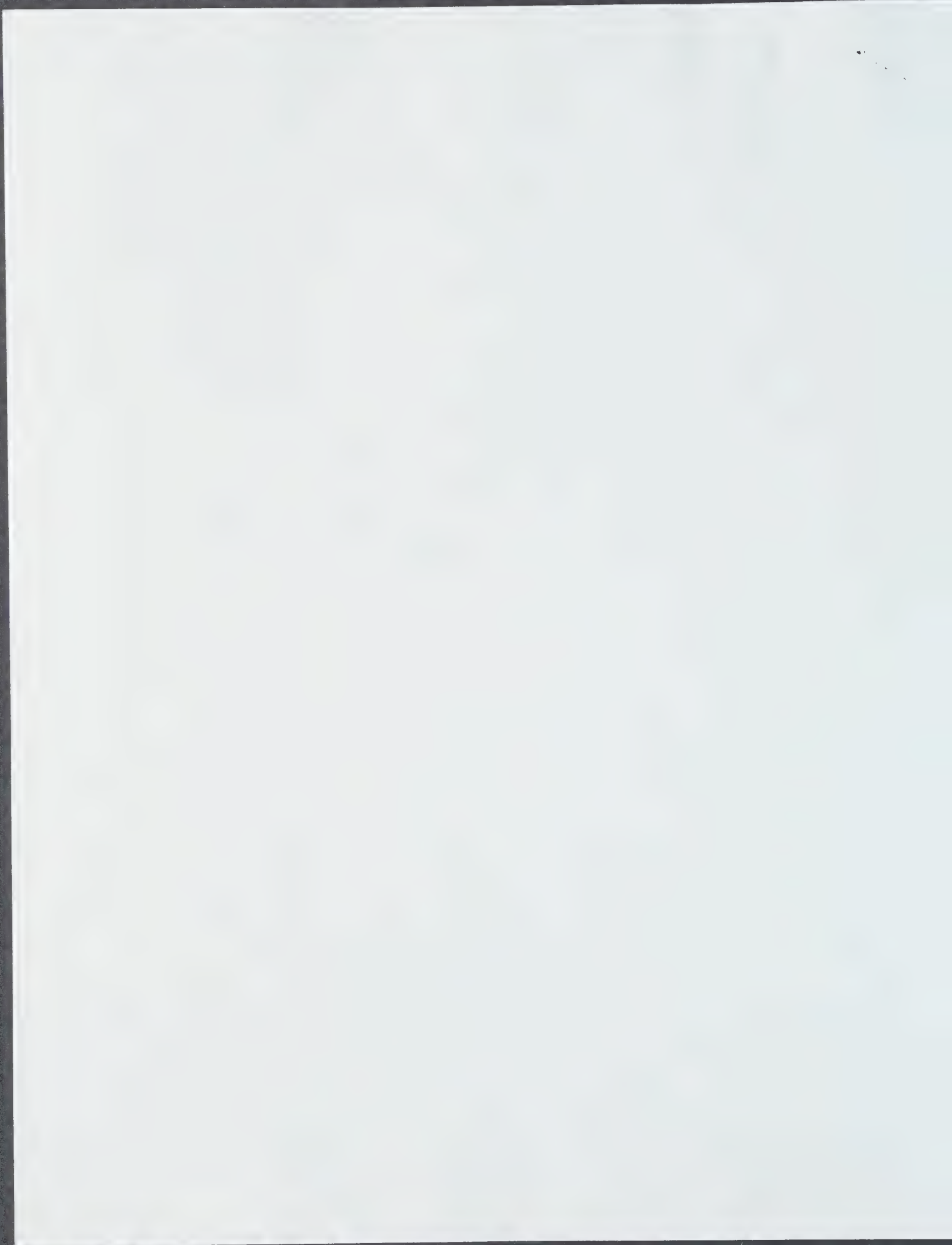
Comments, pictures, advertisements, and letters may be sent to the attention of:

Ada C. Nielsen
 DSChB News
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 546 Timber Lane
 Lake Forest, Illinois 60045
 Phone: 708-234-3466
 Fax: 708-234-4134

Inside ...

	page
Advertising Rates	10
Classifieds	10
Future Events & Announcements	7
Legal Eagle	3
Letters to the Editor	2
Information About Information	4
Money	9
People, Promotions, Places	3
Secretary's Report	9
Treasurer's Report	2
True Stories...	6

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**DSChB
&
AIChE**

Announce a One-Day Symposium

Wednesday, August 23, 1995 • University Club • Chicago, IL
*(Division of Small Chemical Businesses, American Chemical Society &
Research and New Technology & The Chicago Section,
American Institute of Chemical Engineers)*

Making Money from Emerging Technologies

Hear and meet some of the most exciting authorities on four topics during the day; enjoy a lunch and speaker from the top echelons of science. This is a chance to identify new opportunities for your company for commercialization.

Morning:

**Catalysis
Biochemistry**

Afternoon:

**Advanced Separations
Technology Transfer and Management**

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Kit Doolin, AIChE,
(708) 963-0320; (708) 963-0381 fax

- Please register me for the one-day symposium, *Making Money from Emerging Technologies*, August 23, 1995, in Chicago, Illinois.
- I am a member of DSChB. Enclosed is payment of **\$150** before August 8.
- I am a member of DSChB. Enclosed is payment of **\$175** after August 8.
- I am a member of AIChE, Chicago Section. Enclosed is payment of **\$150** before August 8.
- I am a member of AIChE, Chicago Section. Enclosed is payment of **\$175** after August 8.
- I am not a member of either organization. Enclosed is payment of **\$175** before August 8.
- I am not a member of either organization. Enclosed is payment of **\$200** after August 8.

I cannot attend the Symposium, but would like to receive a copy of the Abstracts.

- I am a member of either DSChB or AIChE. Enclosed is payment of **\$100** for a copy of the Abstracts, to be mailed after August 23.
- I am not a member of either organization. Enclosed is payment of **\$125** for a copy of the Abstracts, to be mailed after August 23.

FIRST NAME _____ LAST NAME _____
JOB TITLE _____
COMPANY/AFFILIATION _____
ADDRESS _____
CITY _____ STATE _____
POSTAL CODE _____ COUNTRY _____
CHECK ENCLOSED IN THE AMOUNT OF \$ _____

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. This includes not only sales and purchases but also expenses and income. The document also highlights the need for regular reconciliation of bank statements and the company's records to identify any discrepancies early on.

In addition, the document provides a detailed breakdown of the accounting cycle, from identifying the accounting entity to preparing financial statements. It explains how each step contributes to the overall accuracy and reliability of the financial data. The document also includes a section on the classification of assets and liabilities, providing examples and explanations for each category.

The second part of the document focuses on the practical application of accounting principles. It includes a series of exercises designed to help students understand how to record transactions in the general ledger and how to calculate the ending balances for each account. These exercises cover a wide range of scenarios, from simple sales and purchases to more complex transactions involving multiple accounts and adjustments.

Finally, the document concludes with a summary of the key concepts covered and a list of resources for further study. It encourages students to continue to practice their accounting skills and to seek help from their instructors if they have any questions. The document is intended to be a comprehensive guide for students learning the fundamentals of accounting.

FAX FROM

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

A Chemist Helping Chemists

August 8, 1995

TO: Ms. Barbara E. Pralle, Acquisitions Editor
ACS Book Department

FAX: 202/872-6337 452 8913 Repeat.

Page 1 of 2

Dear Barbara:

I much look forward to being at the Chicago convention on Tuesday and Wednesday, August 22nd and 23rd.

As you will see from the enclosed, I am to be the after-luncheon speaker at the Division of Small Chemical Businesses Symposium.

Would the ACS like to provide some of my autobiographies for a book-signing, or should I bring my own? Of course, I would prefer the former, and that would make accounting so much easier. But will you have enough books? Of course, as we are driving from Milwaukee to Chicago, bringing some books along would be easy. Please let me know.

The one chemical meeting book-signing at which I have been was at the Chemical Institute of Canada meeting in Guelph in May. There, the Canadian distributor supplied 100 books, which were gone very quickly.

Will the book be offered at the ACS book stand?

Do you know whether the ACS has sent my book to a reviewer, and if so, when the review is likely to appear in *C&E News*? George Kauffman has told me that he has written a very long review, but for *Angewandte Chemie*, not for *C&E News*.

Will you be in Chicago? If so, I much look forward to seeing you.

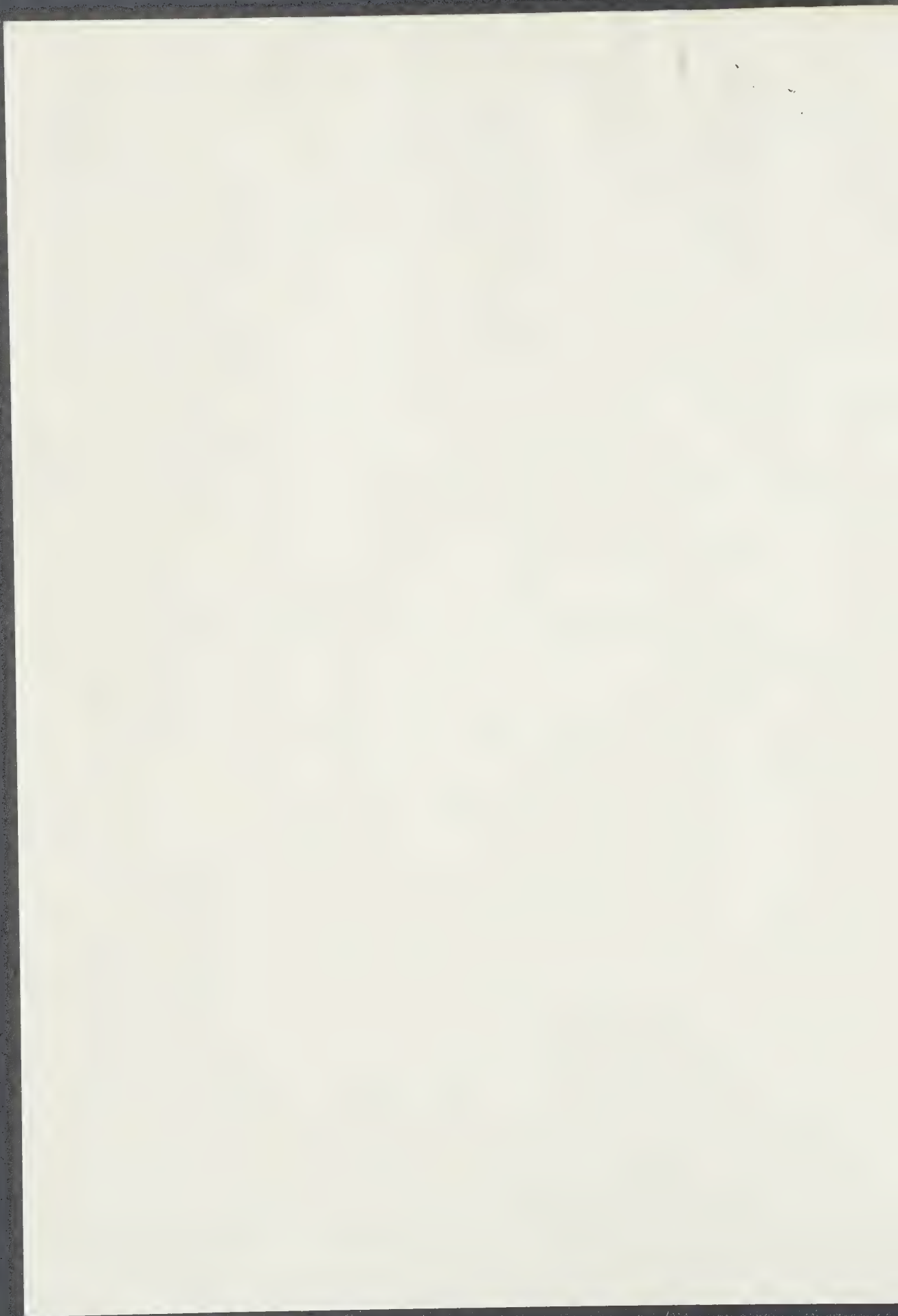
With best regards, I remain,

Yours sincerely,



AB/cw

cc: Dr. Ada C. Nielsen (via fax: 708/234-1134)



SYMPOSIUM SCHEDULE

Wednesday
August 23, 1995

At the
University Club
76 East Monroe
Chicago

CATALYSIS
9:00 a.m. - 10:15 a.m.

BIOTECHNOLOGY
10:30 a.m. - 11:45 a.m.

LUNCHEON
Noon to 1:30 p.m.

Keynote Address:
Dr. Alfred R. Bader
Co-Founder of Sigma-Aldrich
Winner of the
*Division of
Small Chemical Businesses
Distinguished Fellow Award*

ADVANCED SEPARATIONS
1:45 p.m. - 3:00 p.m.

**TECHNOLOGY TRANSFER &
MANAGEMENT**
3:15 p.m. - 4:30 p.m.

SYMPOSIUM SCHEDULE

KEYNOTE ADDRESS &
DISTINGUISHED FELLOW AWARD
Dr. Alfred Robert Bader
Co-Founder of Sigma-Aldrich Chemical Company

Address: The Founding of Sigma-Aldrich

The award of **Distinguished Fellow** is given for meritorious service to the Division, to ACS, and to the chemical industry.

Dr. Bader was born in Vienna, Dr. Bader fled to England at the age of fourteen, ten months before the outbreak of World War II. He was then interned in 1940 and sent to a prisoner-of-war camp in Canada.

Released in 1941, he earned degrees in engineering chemistry from Queen's University in Kingston, Ontario and a fellowship in organic chemistry at Harvard. This was followed by an assignment in Milwaukee as a research chemist for PPG (Pittsburgh Plate Glass Company) and his later cofounding of Aldrich (today, Sigma-Aldrich). Sigma-Aldrich is now the world's largest supplier of research chemicals.

He also translated his love of art into collecting and owning an art gallery in Milwaukee.

His new book, *Adventures of a Chemist Collector*, has been published by Weidenfeld & Nicolson and is marketed through the American Chemical Society.

His work at Aldrich represents a unique example of technology transfer. The exchange of ideas between the university setting and Dr. Bader provided for a dynamic and vital link between academic departments and commercial success.



MEMORANDUM FOR THE RECORD

DATE: 10/10/54

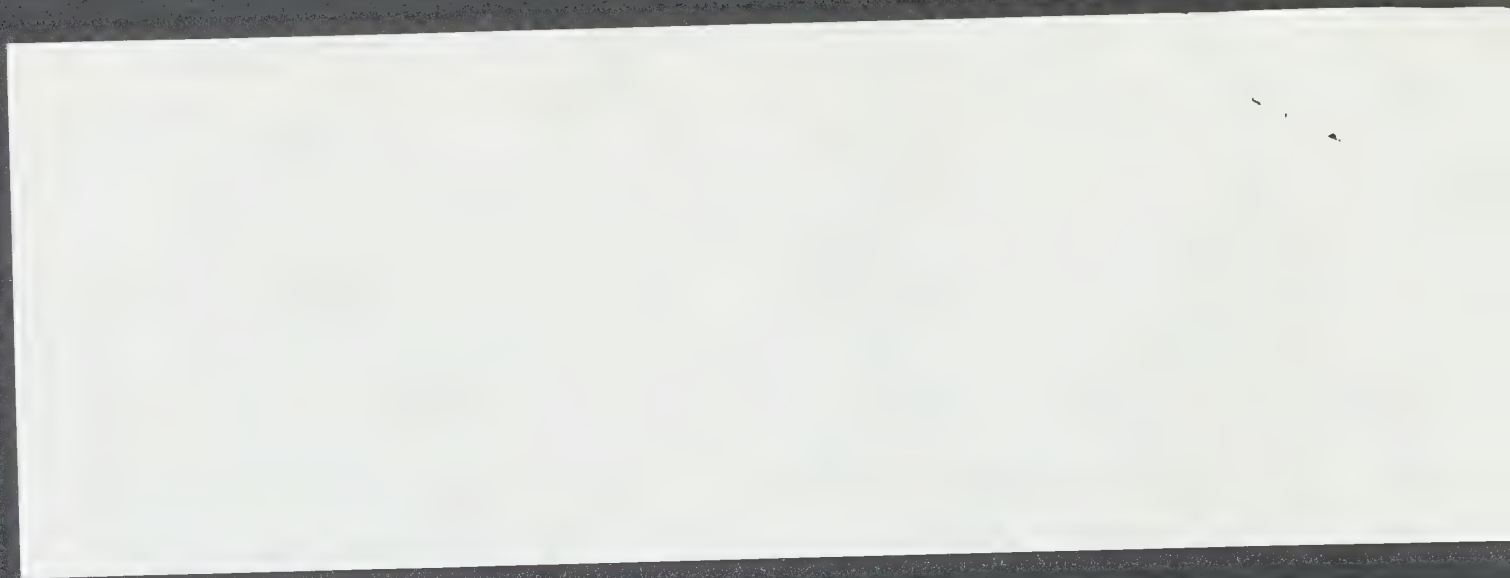
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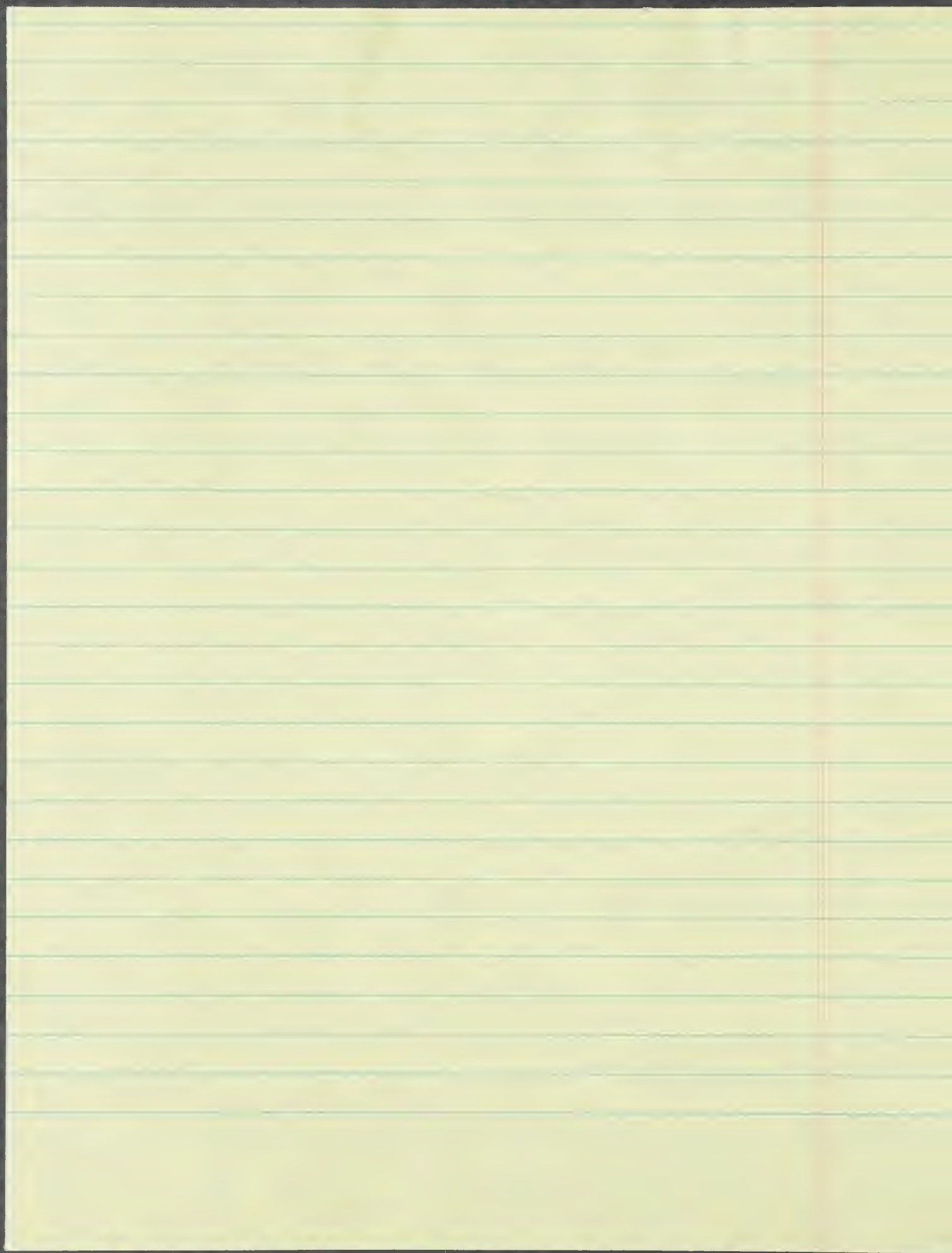
SUBJECT:

RE:

REFERENCE IS MADE TO



202 452 8913



INDEX

INDEX

1. Introduction

2. Theoretical Framework

3. Methodology

4. Results

5. Discussion

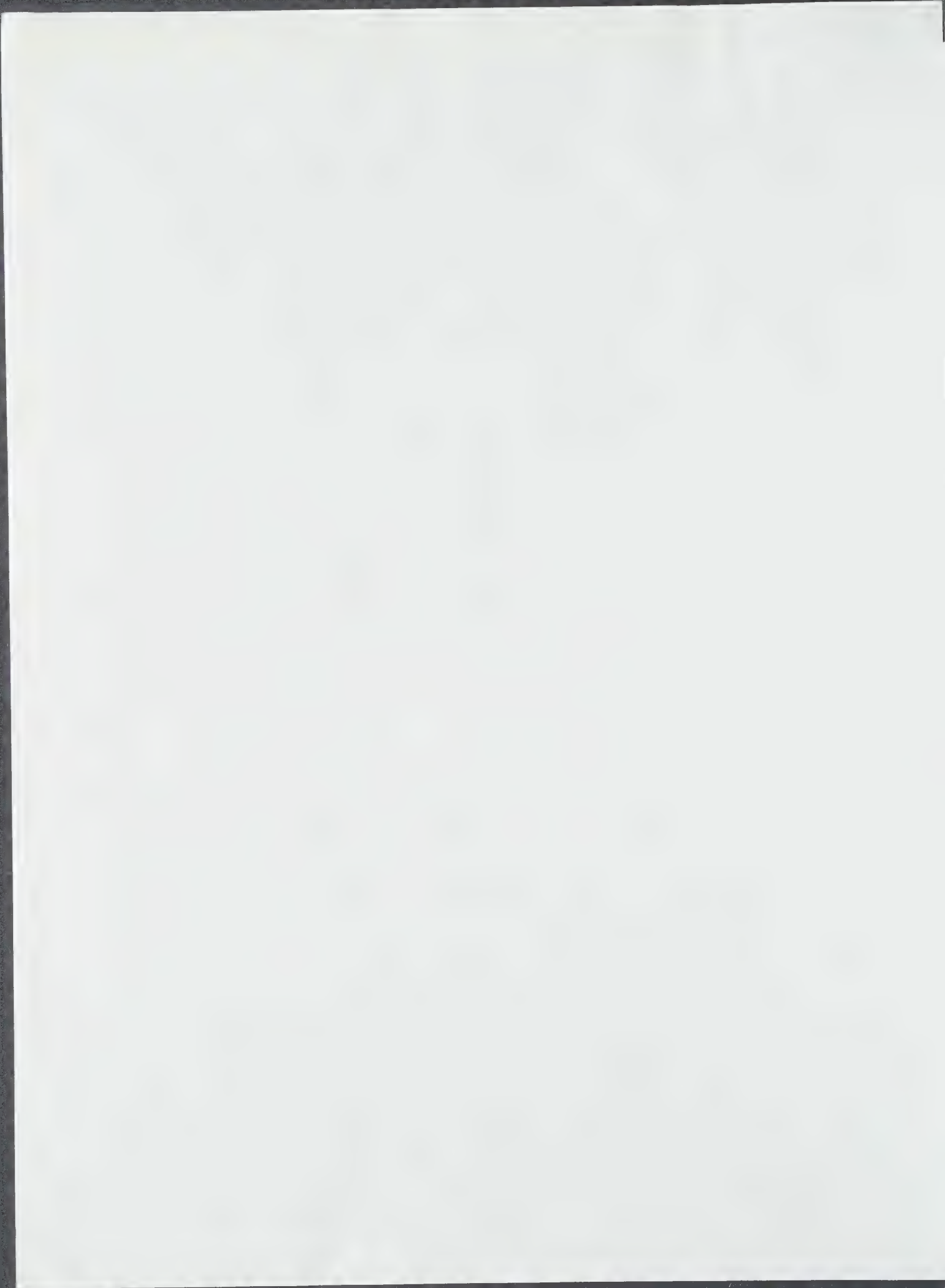
6. Conclusion

7. References

8. Appendix

9. Glossary

10. Bibliography



FAX FROM

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

A Chemist Helping Chemists

August 11, 1995

TO: Ms. Barbara E. Pralle
Acting Manager, Book Acquisitions
FAX: 202/872-~~6337~~ 452 8913

Dear Barbara:

Thank you for your encouraging fax.

Maybe I'm just too optimistic, but I'm not at all certain that the ACS will have enough books in Chicago. Of course, I understand and share your desire to keep your contract with Trafalgar.

Hence, I discussed the problem with Paul Feldstein there today, and he assured me that there would be no problem whatever if I brought some books along in my car, and if needed, turned them over to you. Trafalgar would then bill you for those books and send a replacement shipment for the same number to me. Of course, we would use these books only as a back-up and bring them back to Milwaukee if the ACS does not need them.

I much look forward to the review in *C&E News* in September.

Best wishes, as always,

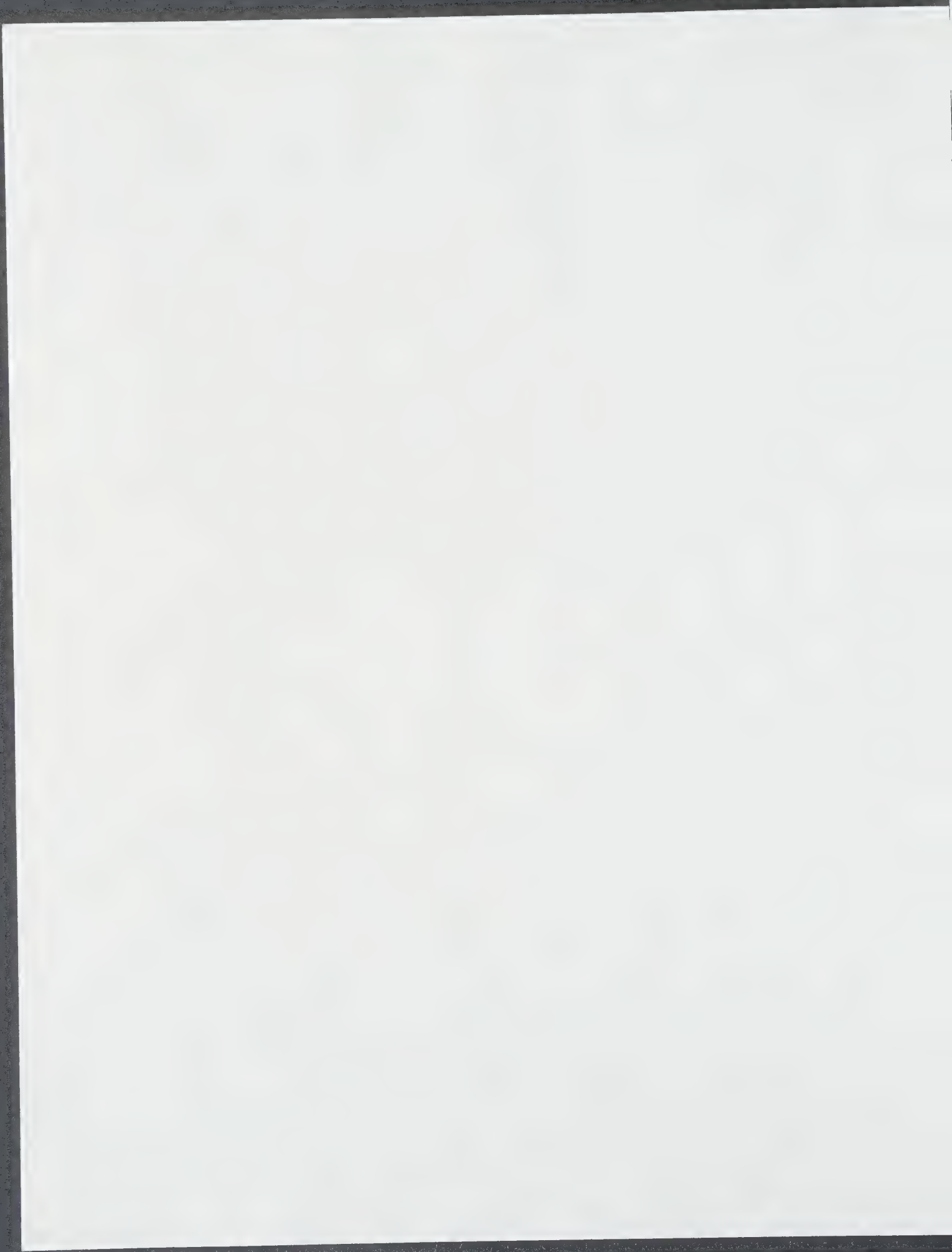


AB/cw

Ofc Ph: 414/277-0730

Ofc Fax: 414/277-0709

cc: Paul Feldstein, Trafalgar Square (by mail)





ACS BOOKS

American Chemical Society Books Department

1155 Sixteenth Street N.W.

Washington, DC 20036

Phone (202) 872-4564

August 10, 1995

Dr. Alfred Bader
2961 North Shepard Avenue
Milwaukee, Wisconsin 53211
Fax: (414) 277-0709

Dear Alfred:

Thank you for answering my many logistical questions! We will try to contact Dr. Ada Nielson tomorrow and work with her to determine the most appropriate arrangement for your book signing. Naturally we would like to make sure the signing is compatible with her expectations for the symposium.

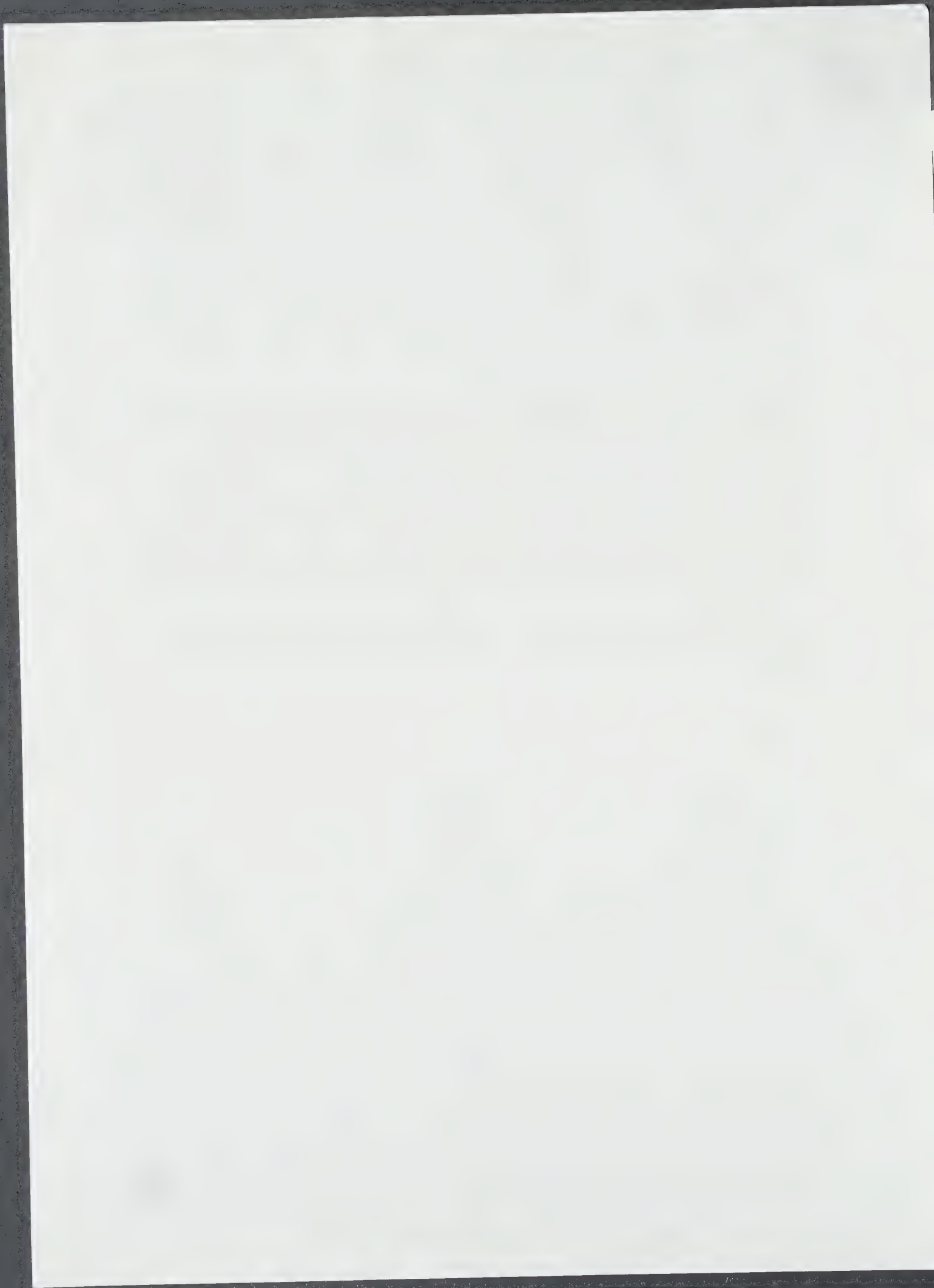
My understanding is that we will have enough books to bring to the signing. Naomi Kraker will make arrangements to send these books to Chicago. I will alert her to your offer to bring additional copies.

I received a very encouraging message regarding the book review from the C&E News staff. They have assured us that they have indeed been looking at your book and they hope to include a review in an upcoming September issue. I was very pleased to hear back from them so promptly and wished the good news immediately.

Thank you for the *Chemistry in Britain* review. If you come across any other reviews we would certainly appreciate receiving copies. Of course we will also keep an eye out for additional reviews of your volume.

American Chemical Society • Phone (202) 872-4600 • Telex 440159 ACSU
Cable CHEM • FAX (202) 452-8913 • Internet node: acs.org





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2961 North Shepard Avenue
Milwaukee, Wisconsin 53211

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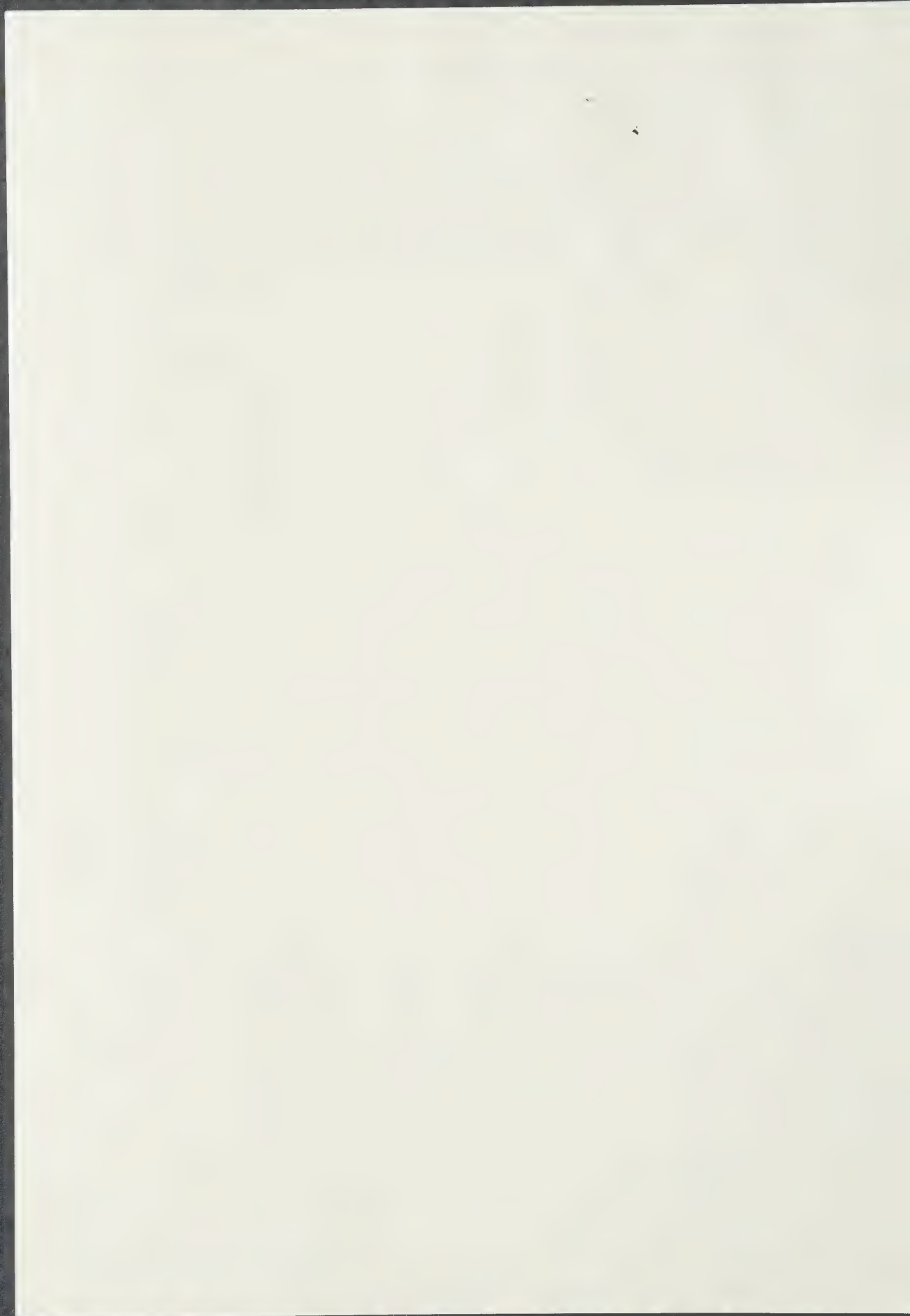


AB/cw

Ofc Ph: 414/277-0730

Ofc Fax: 414/277-0709

cc: Paul Feldstein, Trafalgar Square (by mail)



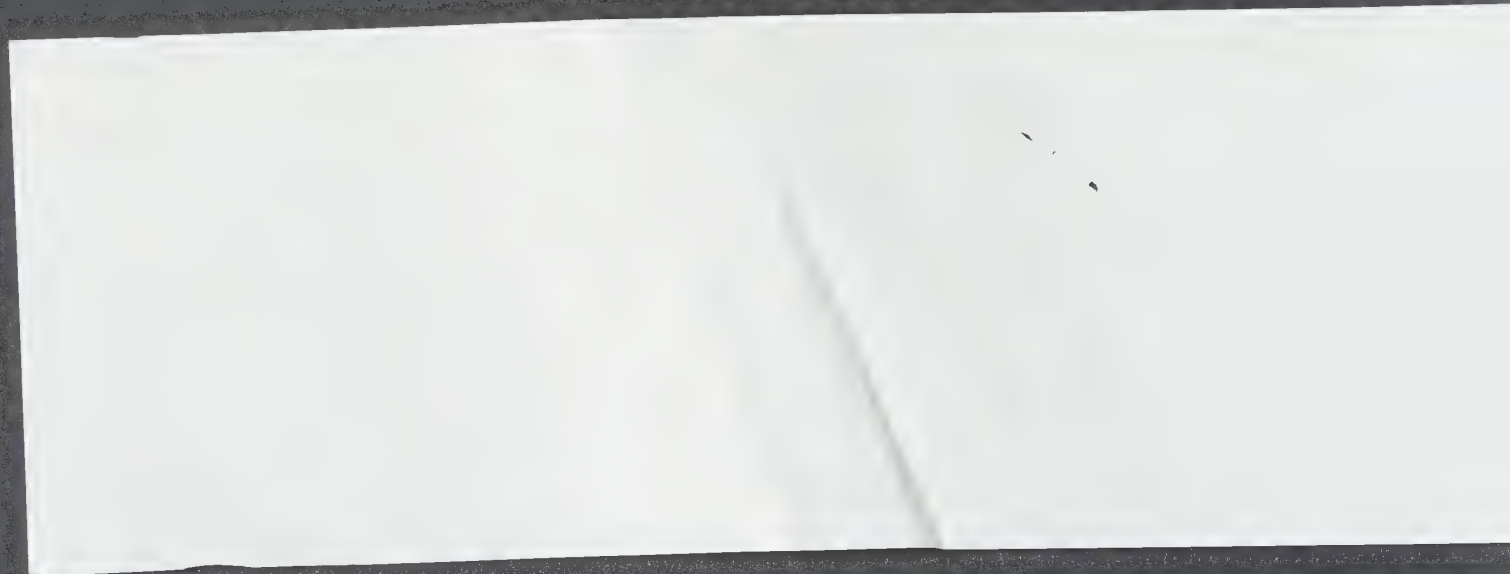
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Division of the History of Chemistry

Newsletter

This year we're celebrating the seventy-fifth anniversary of the founding of our division. At the national ACS meeting held at Northwestern University in the fall of 1920, Edgar Fahs Smith and Charles A. Browne discussed the idea of a group devoted to the history of chemistry. They called for other interested individuals to gather at the next national meeting in 1921. After a probationary period, HIST became a full-fledged division in 1928.

We return to Chicago for the fall 1995 meeting, and we're planning a special dinner at Northwestern to mark our anniversary. The ACS will be handling tickets, so if you'd like to attend the dinner--and we hope that you will--please purchase your ticket when you register for the Chicago meeting because tickets are limited. Transportation to Northwestern will be available.

Perhaps we can also take advantage of our anniversary as a time to rejuvenate HIST offerings at national ACS meetings. The number of general papers presented has declined rather dramatically, and at the moment there are no symposia in the planning stage. Many of our past symposia--including the most recent one on archaeological chemistry at Anaheim--have been among the most successful and best attended of those offered by any division, so let's keep up the tradition. Please try to present a paper in a HIST session, especially if you're attending an ACS meeting anyway, so that we can all learn and profit from your research. Also, the program chair (Richard E. Rice, Liberal Studies Program, University of Montana, Missoula, MT 59812; tel. 406-243-2171; e-mail: reric@lewis.umt.edu) would be *delighted* to receive proposals for future symposia. And if you can't make it to a national meeting, what about organizing a history session at a regional meeting? We welcome the active involvement of all interested members, not only in presenting papers and organizing symposia, but in the general affairs of running the division as well. If you'd like to become more active, please contact one of the division officers.

You've probably been wondering what has happened to the *Bulletin*. Production problems have delayed its publication far beyond what we expected. We are hoping that new publishing arrangements will get the *Bulletin* back on a regular schedule and that you will be receiving the delayed issues before long. The division officers are trying to remedy the situation as quickly as possible, so we ask you to be patient for a little longer. We guarantee that it will be worth the wait.

Below you will find some revisions to the bylaws of the division. Our thanks to Jim Tranyham for his work in putting these changes into the form on which we will vote at the business meeting (Tuesday, August 22, 1995, 9:00 a.m.) at Chicago. See you there!

ACS-HIST

Proposed amendments to Bylaws of the Division (deletions in brackets; additions underlined)

Bylaw III. Officers

Section 3. Executive Committee. The Executive Committee shall consist of the officers of the Division, the Immediate [p] Past Chairman, two members of the Division appointed by the Chairman, and one member elected by the membership of the Subdivision of Archeological Chemistry. If a permanent Program Chairman is currently serving the Division, he or she shall be one of the two members appointed by the Chairman. The Secretary shall serve as Program Chairman if the latter position is vacant.

Section 4. Election of officers. At the first general mailing after January 1 in a year in which an election is required, the Secretary shall send to each member a ballot soliciting nominations for the officers who are to be elected for the following year.

By [March] April 15, the Chairman shall appoint from active members of the [d]Division a Nominating Committee of two or three members whose duty it shall be to [nominate officers for the following] solicit candidates for the offices becoming vacant the following year.

Nomination ballots to be valid must be signed by the member and mailed so as to be received by the Secretary not later than [April 15] May 1, and shall be transmitted immediately to the Chairman of the Nominating Committee.

The Nominating Committee shall review the [above] nominating ballots [when returned] and[,] develop a list of potential candidates who are members of the Division. [a]After obtaining the permission of [the nominees] persons to be proposed as candidates, the Nominating Committee shall prepare an election slate consisting of at least two candidates for each position to be filled, except, under certain circumstances, those of Chairman [and] , Secretary,[-] and Treasurer, and shall forward the slate to the Secretary. The Chairman-Elect shall automatically advance to the Chairmanship. The [Committee] slate shall [nominate] include two candidates for the position of chairman if the Chairman-Elect is unable to accept the Chairmanship. The Committee may renominate an incumbent Secretary[-] or Treasurer for [two] a subsequent term[s], without a second candidate being listed for that office. If the incumbent is renominated for a [fourth] third term, a second candidate for [Secretary-Treasurer] that office shall be included also.

The Executive committee shall review the proposed election slate and accept it or refer it back to the Nominating Committee for amendment. After the Executive Committee has accepted the election slate, [T]he [Secretary or a member designated by the Secretary] Chairman of the Nominating Committee shall mail to each member an election ballot [bearing] with the names of candidates [listed by the Nominating Committee] arranged in an order arrived at by lot. On the ballot there [shall] also shall be a blank line under each office for "write-in" votes. All votes received by the deadline specified in the ballot shall be counted. The Nominating Committee shall act as tellers unless other tellers are appointed by the Chairman. Election shall be by plurality.

In the event of a tie vote for an office, a second ballot for that office [will] shall be sent to the members.

Section 5. Term of office. (a) Beginning in 1996, [T]the terms of office of all officers, except the Councilor(s) and Alternate Councilor(s), shall be [one] two years or until their successors are [elected] qualified. .
(b) The terms of the Councilor(s) and Alternate Councilor(s) shall be for three years.
(c) The terms of all officers shall begin on January 1 of the year following election.
(d) Vacancies in any office shall be filled by the Executive Committee. The incumbent so selected shall serve until the next regular election.

Bylaw V. Meetings

Section 3: Special meetings of the Division may be called by Executive Committee if notice, including the business to be undertaken, is given to the membership in writing or by publication in the official organ of the SOCIETY at least two months in advance. Special meetings may not be held within one month before or after a national meeting.

Explanation

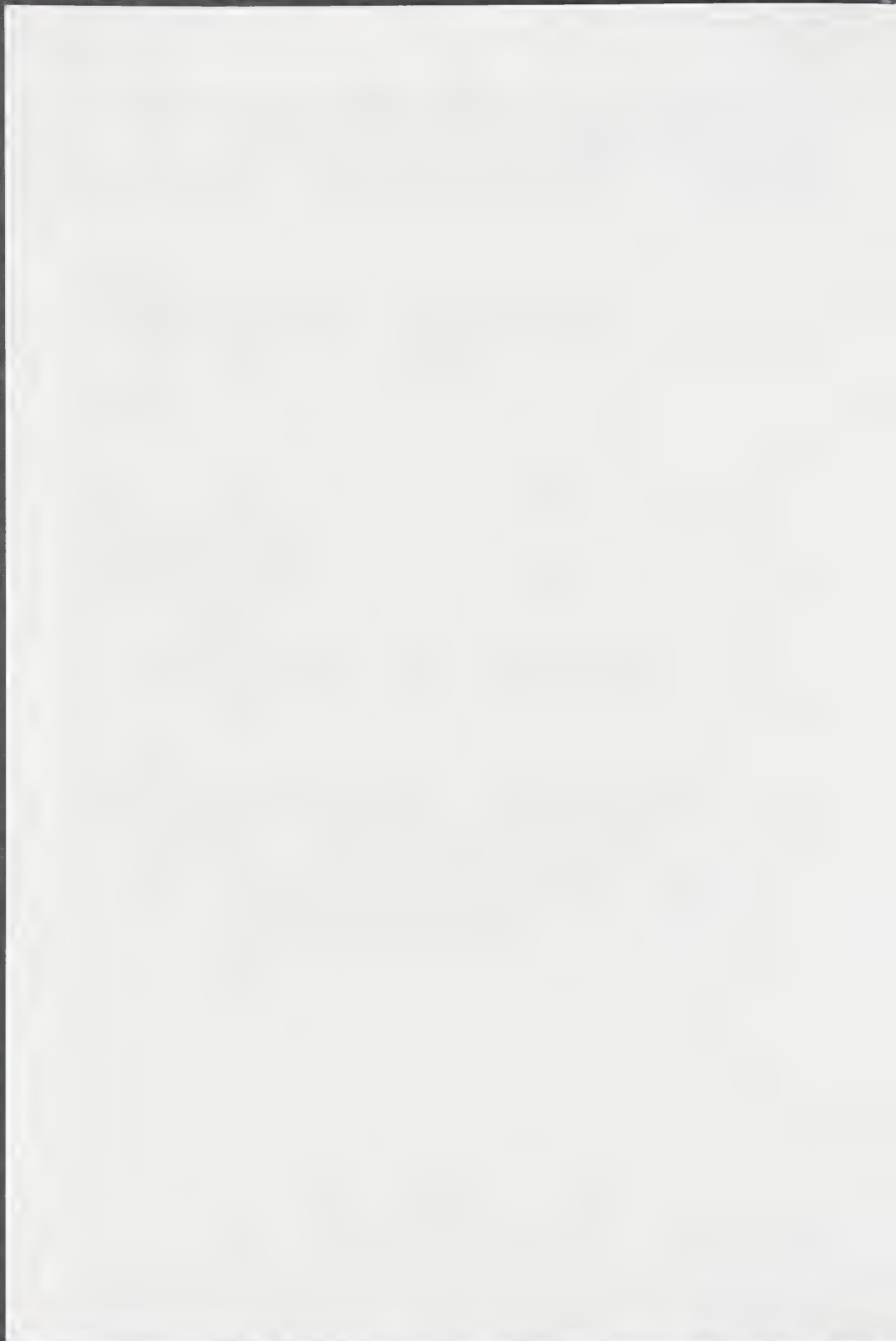
The specification of Immediate Past Chairman in Bylaw III, Section 3, removes ambiguity about which past Chairman.

The amendments in Bylaw III, Section 4 are proposed to bring the Division Bylaws on election procedures into line with the practice that has developed during the past several years. The changes pertaining to the Secretary and Treasurer are tied to the changes proposed in Section 5. Where possible by minor word changes, other wording has been simplified without changing the substance of the Bylaw.

The Council Committee on Constitution and Bylaws has pointed out that the use of the term Secretary-Treasurer in the Bylaw is faulty, because it is not included in Bylaw III, Section I (officers of the Division) or defined elsewhere. Identification of the offices is made (kept) separate in the revision, but the permissibility of combining the offices (Bylaw III, Section I) is retained.

The amendment in Bylaw III, Section 5 changes the term of office of the Chairman, Chairman-Elect, Secretary, and Treasurer. The Secretary-Treasurer now routinely serves at least three years. Recent chairmen have said that they are just learning to be Chairman when their term is over. Two year terms would give the Chairman opportunity to use the experience of the first year to be more knowledgeable and probably more effective for the Division during the second year. Changing elected to qualified removes ambiguity about timing of succession.

The amendment in Bylaw V, Section 3, suggested by the Council Committee on Constitution and Bylaws, limits special meetings to the agenda published.



American Chemical Society
DIVISION OF THE HISTORY OF CHEMISTRY

210th ACS National Meeting

Chicago, IL
August 20-24, 1995

R.E.Rice, Program Chairperson

SUNDAY AFTERNOON

•**Centennial of the Chicago Section**

J.J.Doherty, Presiding

Papers 1-6

MONDAY MORNING

•**General**

R.E.Rice, Presiding

Papers 7-12

MONDAY AFTERNOON

•**Sidney Edelstein - An Appreciation of His Contributions
and Achievements**

M.D.Saltzman, Presiding

Papers 13-16

TUESDAY MORNING

•**Dexter Award Address and Cachet Papers**

R.E.Rice, Presiding

Papers 17-19

DIVISION OF THE HISTORY OF CHEMISTRY

001.

OTTO BIESENSCHMID: CHEMIST, BUSINESS MAN, EDITOR.
FOUNDER OF THE CHICAGO CHEMICAL BULLETIN. Stanley W. Drigot,
P. O. Box 661, Saugatuck MI 49453

NO ABSTRACT AVAILABLE

002. SOME "PACKING HOUSE DOCTORS" AND THE CHICAGO SECTION, Thomas H. Donnelly, Dept. of Chemistry, Loyola University Chicago, 6525 S. Sheridan, Chicago, IL 60620

NO ABSTRACT AVAILABLE

003. ROY C. NEWTON, VICTOR CONQUEST, AND OTHERS, AND THE NATIONAL CHEMICAL EXPOSITION. James J. Doheny, 3625 McCormick Ave, Brookfield, IL 60513

NO ABSTRACT AVAILABLE

004. THE LOCO CHEMICAL COMPANY 1895-1995 (FIFTY YEARS OF PROGRESS). Roy H. Bible, G.D. Searle & Company, Skokie, IL 60077

NO ABSTRACT AVAILABLE

005. GEORGE L. PARKHURST AND CO-WORKERS WHO OILED THE MACHINES. Robert T. Parkhurst, Abbott Laboratories, North Chicago, IL.

NO ABSTRACT AVAILABLE

006. ROLE OF THE PERMANENT OFFICE AND STAFF IN THE OPERATION OF THE CHICAGO SECTION, 1921-1995. James P. Shoffner, 296 Parkchester Rd., Elk Grove Village, IL 60007.

For seventy five years of its one hundred year history, the Section has maintained and operated an office with a full time staff. The people who have served in this office and the manner in which they have contributed to and supported section programs will be highlighted.

007. NEW HAMPSHIRE COLLEGE CHEMICAL COLLOQUIUM (1907-1911), FORERUNNER OF MU CHAPTER OF ALPHA CHI SIGMA
Paul R. Jones, Department of Chemistry, University of New Hampshire, Durham, NH 03824

The Chemical Colloquium was founded at New Hampshire College in 1907, at the instigation of Professor Charles L. Parsons, Head of the Chemistry Department. The biweekly meetings, attended by Parsons and colleagues Charles James and David H. Randall and the chemistry students, were described in Secretaries' books, which have been preserved. Just four years later the Colloquium had received a charter to become Mu Chapter of Alpha Chi Sigma. Charter members numbering 21 faculty and students were initiated on April 11, 1911.

PAUL D. BARTLETT'S CHEMISTRY 17a - A PIONEER COURSE IN PHYSICAL ORGANIC CHEMISTRY. L.B. GORTLER, DEPARTMENT OF CHEMISTRY, BROOKLYN COLLEGE, BROOKLYN, NY 11210 AND M.D. SALTZMAN, NATURAL SCIENCE PROGRAM, PROVIDENCE COLLEGE, PROVIDENCE, RI 02918.

Paul D. Bartlett (1907-) has been one of the pioneers in the development of physical organic chemistry in the United States. This paper will initially deal with Bartlett's early career and those influences which led to his interest in this new hybrid discipline. Based upon the classnotes taken by Ralph B. Thompson in 1938 (on deposit at CHF) for Chemistry 17a an idea of the state of physical organic chemistry in the mid-1930's can be ascertained. An analysis of the course content will be given and its significance will form the major part of this paper.

HIST

- 009.** SOUTH JERSEY SECTION-75 YEARS OF CHANGE, William E. Garwood and Lee Dinsmore, Chemistry and Physics Department, Rowan College, Glassboro, NJ, 08028.

The roots of the South Jersey Section originate in the Philadelphia Section, from which it was created in 1920. Eighty four duPont Chemists who belonged to the Delaware Section but worked and lived on the Jersey side of the Delaware River petitioned the National office to have their own Section. Their reason for doing this was that to attend the meetings in Wilmington they had to go by Ferry, and often they missed the last Ferry to get home. The Section initially was named "The Carney's Point Section," but the same year this was changed to "The South Jersey Section." From this interesting beginning the Section has grown geographically from Salem County to cover four additional Counties, all given over by the Philadelphia Section. Changes during the 75 years of this Section's existence have occurred, some of which will be discussed.

- 010.** HERMANN KOPP'S VIEW OF WOEHLER'S ARTIFICIAL UREA AND VITALISM. S.M. Cohen, Zettlemoyer Center for Surface Studies, Lehigh University, Bethlehem, PA 18015

Discussion of the role Friedrich Woehler's 1828 announcement of the synthesis of urea played in the abandonment of Vitalism has lasted well over a century. One view held is that, upon the production of urea, researchers abandoned Vital Force theory almost immediately. A second opinion is that Vitalism took many years to disappear, but only upon Woehler's death (1882) was his work acknowledged to be the destroyer of Vitalism. We show that Hermann Kopp, in 1843, was the earliest chemist to acknowledge directly Woehler's synthesis of urea as the death knell for Vitalism, although other scientists did not concur for decades thereafter.

- 011.** THE AMERICAN LEIPZIGERS. John T. Stock, Department of Chemistry, University of Connecticut, Storrs, CT 06269-3060.

Wilhelm Ostwald (1853-1932) became Professor of physical chemistry in Leipzig in 1887. His laboratory rapidly achieved international fame; in fact, foreign (notably American and British) students at first outnumbered the Germans. Returning with their Leipzig doctorates, these students began the development of physical chemistry in their home countries. The present account surveys the careers of some of the North American students, many of whom became celebrities in academe, industry, or sometimes both. In later years, others with American doctorates (notably T.W. Richards and G.N. Lewis) undertook research in Leipzig.

- 012.** WILLIAM DRAPER HARKINS. HIS PRIORITIES IN MONTANA (1900-1912) Richard E. Rice, Liberal Studies Program, The University of Montana, Missoula 59812, and George B. Kauffman, Department of Chemistry, California State University, Fresno 93740

Although William Draper Harkins (1873-1951) is best remembered for his research on surface phenomena and nuclear structure at the University of Chicago, he began his academic career as an environmental chemist at the University of Montana in Missoula. After receiving an A.B. degree in chemistry from Stanford University in 1900, Harkins was appointed Instructor of Chemistry and Physics at Montana, and the following year he became Professor and Head of Chemistry, positions he held for eleven years before moving to Chicago. In 1908 he received the first Ph.D. degree awarded by Stanford for his research on pollution from the Washoe Smelter, built at Anaconda, Montana, in 1902. Together with his advisor, Robert Eckles Swain (1875-1961), who was well known for his interest in atmospheric pollution, Harkins published his dissertation as a series of three articles in *JACS* (1907-1908) under the general heading "Papers on Smelter Smoke." He was on leave from Montana for the 1909-1910 academic year, part of which he spent at Fritz Haber's Institut für physikalische Chemie in Karlsruhe and part at MIT's Research Laboratory of Physical Chemistry under the direction of A A Noyes. His work on surface tension and electrolyte solutions that year laid the groundwork for his subsequent interest in surface chemistry at the University of Chicago.

013. SIDNEY EDELSTEIN AND DEXTER CHEMICAL. D.H. ABRAHAMS, DEXTER CHEMICAL, 845 EDGEWARE RD., BRONX, NY 10474

For nearly fifty years Sidney Edelstein headed the Dexter Chemical Corporation. As both an innovative scientist and as a businessman, he created a company in his image; strong progressive and independent. During this time, he instilled in members of his "Dexter family" his love of history and his sense of social consciousness. These principles will continue as Dexter changes to adapt to changing market conditions.

014. DR. SIDNEY M. EDELSTEIN: A CELEBRATION OF HIS CAREER IN CHEMICAL HISTORY. Arnold Thackray, Chemical Heritage Foundation, Philadelphia, Pennsylvania 19104.

Dr. Edelstein's commitment to chemical history spanned half a century. As author, bibliophile, encourager, organizer and patron he played key roles in his chosen avocation. In this paper I shall trace out his career and display the many-faceted nature of his enduring influence.

015. SIDNEY M. EDELSTEIN AND THE HISTORY OF DYEING, CHEMISTRY AND CHEMICAL TECHNOLOGY. A. S. Travis, Edelstein Center, Hebrew University, Givat Ram Campus, Jerusalem, 91904 Israel.

The history of chemistry owes its present status to a few individuals who during the 1930s and 1940s pursued the field mainly as enthusiastic amateurs. Outstanding among them was the dye expert Sidney M. Edelstein. Not only did he create one of the world's major archives on the subject, but he engaged in popular and scholarly writing, undertook major investigations into ancient dyes, and almost single-handedly ran the history of chemistry division of the ACS for eighteen years. In 1958, he introduced the Dexter Award for achievements in the history of chemistry. Sidney Edelstein's major areas of interest and achievements are described through a selection of items now housed in the Edelstein Library at The Hebrew University. Particular attention will be paid to developments in dyeing and calico printing with natural dyes, such as madder and indigo, and their influences on the rise of the synthetic dyestuffs industry.

016. THE EDELSTEIN CENTERS IN ISRAEL: THE HEBREW UNIVERSITY AND SHENKAR COLLEGE OF TEXTILE TECHNOLOGY. M. V. Orna, College of New Rochelle, New Rochelle, NY 10805

The Sidney M. Edelstein Centers in Israel were established to promote the study of the history of chemistry and the chemistry of history. The first center, based at The Hebrew University in Jerusalem, is supported in its purpose by the nucleus of books and papers donated by Dr. Edelstein to the National Library of Israel. The Center hosts Edelstein International Fellows and through its director contributes to the literature of the history of chemistry. The second center, based at Shenkar College of Textile Technology, carries on analysis of Middle Eastern textiles and related artifacts.

017. FROM RENEGADE TO REFORMER: FRANK WIGGLESWORTH CLARKE'S RELUCTANT ROUTE TO THE ACS PRESIDENCY. J. J. BOHNING, Chemical Heritage Foundation, 3401 Walnut St., Phila., PA 19104

After brief positions at Cornell University, Boston Dental College, and Howard University, Clarke joined the University of Cincinnati in 1874, where he began his famous investigations on the composition of minerals. In 1883 he was appointed chief chemist to the United States Geological Survey and honorary curator of minerals at the United States Museum, posts he maintained until his retirement in 1924. His "Data of Geochemistry," first published in 1908, contained his calculations on the elemental composition of the earth's crust. Following early work on atomic weights, Clarke served as chairman of the International Committee of Atomic Weights for twenty-two years. Active in the formation of the chemistry section of the American Association for the Advancement of Science in 1873, Clarke joined Harvey Wiley in an attempt to form the Continental Chemical Society in 1889. This secessionist movement ended when the American Chemical Society agreed to form local sections and hold meetings outside of New York City. Twelve years later he became the Society's president.

018. IRA REMSEN - SHAPER OF AMERICAN CHEMISTRY. Robert H. Goldsmith, St. Mary's College of Maryland, St. Mary's City, Maryland 20686.

Ira Remsen must be regarded as one of the most important figures in American chemical history. After receiving his M.D. degree and taking additional study in Germany in chemistry, he became a professor at Williams College in Massachusetts. In 1876 he accepted a professorship at the Johns Hopkins University where he would establish a modern research based system of chemical education and serve as president of that university a number of years. Besides his many papers, he was the author of a series of well written text books and the editor of the American Chemical Journal. Remsen was initially associated with the ACS from 1879 until his resignation in 1881. He rejoined the ACS in 1898, and served as president in 1902. He helped to arrange the consolidation of his American Chemical Journal with JACS in 1914. His death in 1927 deprived chemistry of one of chemistry's great resources.

019. THE CHEMICAL FOUNDATIONS OF PRACTICAL PHYSICS. W.H. Brock, Department of History, University of Leicester, Leicester LE1 7RH

Bunsen's well-known remark, "Ein Chemiker der kein Physiker ist, ist gar nichts," can be interpreted in several ways. In this presentation, however, it will be used to explore how several nineteenth-century chemists, who followed Bunsen's precept, ended up better known as physicists than as chemists. Two particular cases will be explored in detail, those of George Carey Foster (1835-1919) and Frederick Guthrie (1833-86), who between them created the practical teaching of physics in Great Britain.

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Tuesday, April 04, 1995

Dr. Alfred Robert Bader
2961 N. Shepard Avenue
Milwaukee, WI 53211-3435

Dear Dr. Bader:

Thank you for your kind and prompt response to our invitation to be our luncheon speaker for Wednesday, August 23, 1995 at the University Club in Chicago. We are delighted to have you and your wife join us. We believe the talk entitled, "History of Aldrich Chemical Company" is the appropriate talk for that day.

There should not be a difficulty with your having given it at Informex. The audience is essentially different with more attendees from the immediate Chicago area and the inclusion of AIChE members, although there will be, of course, some overlap. For me, I was charmed enough by the story that I would very much welcome the chance to hear it again.

With respect to autographing your new book, we will need to work out the right place and time, perhaps after lunch, at the afternoon break, and at the end of the symposium, but it would seem a good approach. I will coordinate all of this with the other Officers and the AIChE committee.

Thank you again. I am sorry that a last-minute client conflict prevented my attendance in Anaheim. I shall give you a call on your return to Milwaukee mid-month.

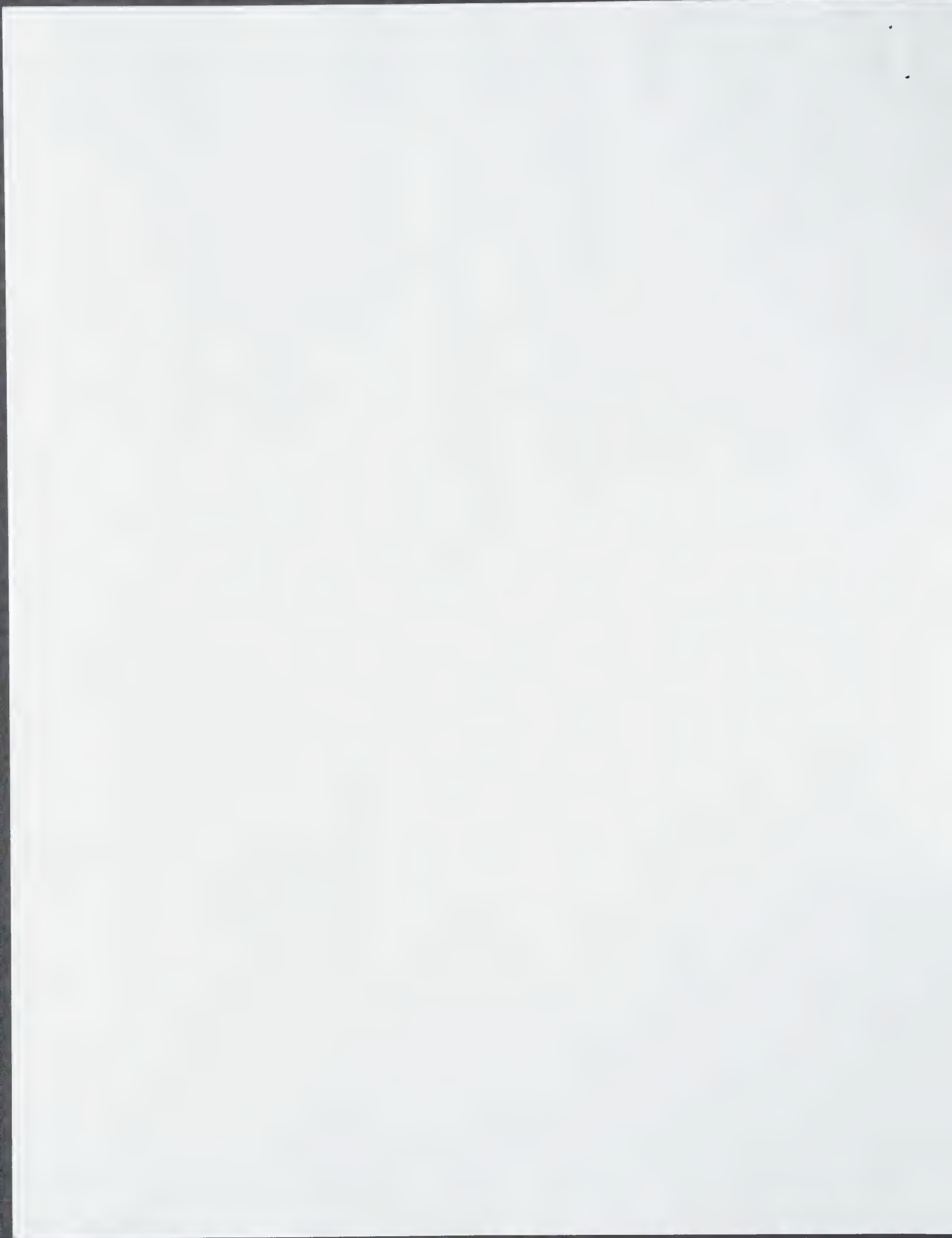
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Ada C. Nielsen

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Anaheim, April 2-5, 1995

Chicago, August 20-24, 1995





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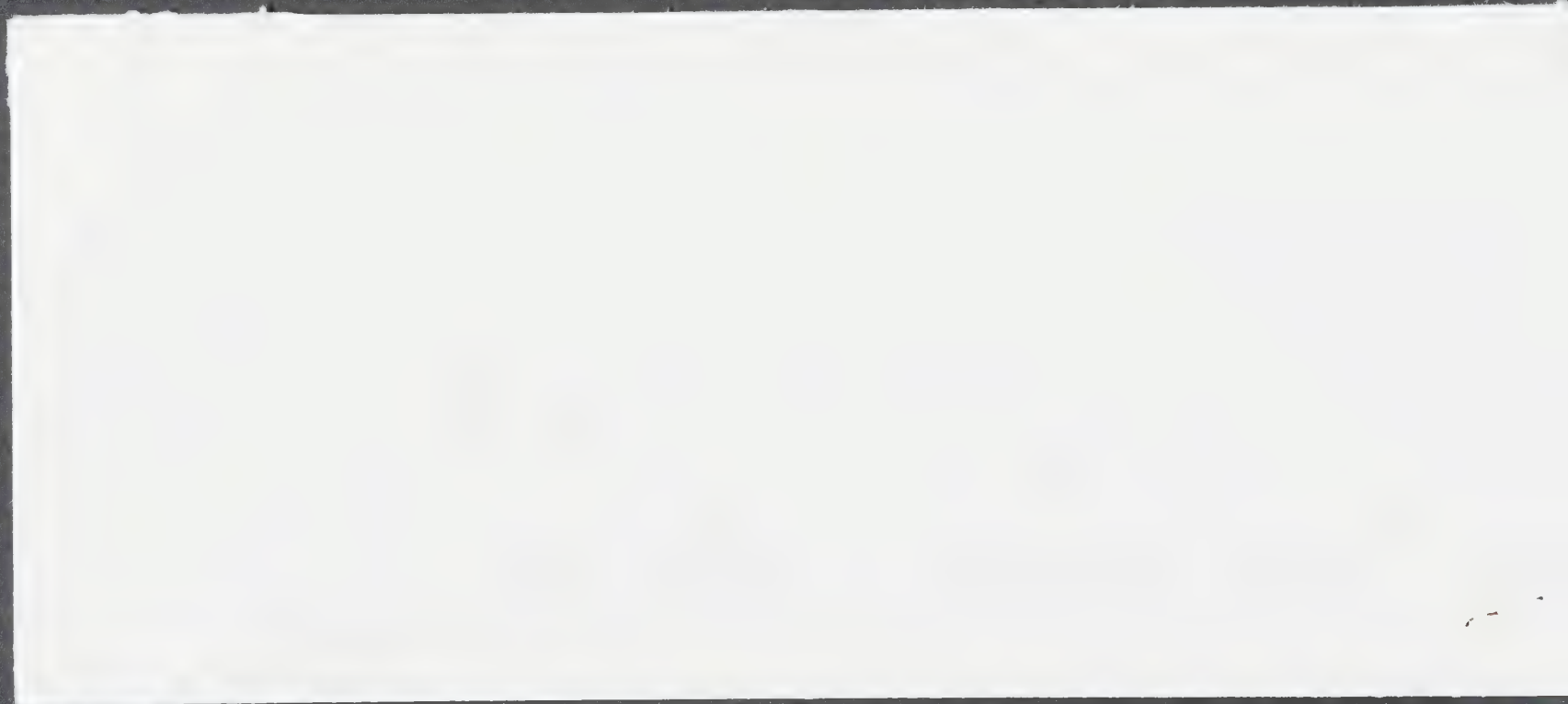
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546 Timber Lane
Lake Forest, IL 60045

Dr. Alfred Robert Bader
2961 N. Shepard Avenue
Milwaukee, WI 53211-3435

1 Red Cloud

10 USA





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

May 3, 1995

Dr. Abraham Gelbein
Editor, ChemTech
American Chemical Society
1155 Sixteenth Street N.W.
Washington, DC 20036

Dear Dr. Gelbein:

I never thought that I would see quotations from the *Ethics of the Fathers* in ChemTech. Good for you.

I hope that neither you nor Rudy Marcus mind my quoting from Rudy Marcus' column in my Parsons Award Address, a copy of which I enclose.

I was happy to learn that the American Chemical Society will be selling my autobiography, *Adventures of a Chemist Collector*, and I enclose its cover and introduction. Could you consider printing a review of this book? Of course, you will realize that much of Chapter 7 was published some years ago in ChemTech.

With all good wishes, I remain,

Yours sincerely,

AB/cw





AMERICAN CHEMICAL SOCIETY Chattanooga Local Section Newsletter

Vol. 58, No. 2

Chattanooga, Tennessee

April 1994

April Meeting

"THE BIBLE THROUGH DUTCH EYES"

Dr. Alfred R. Bader will be the featured speaker at the April Meeting of the Chattanooga Local Section. His talk, "The Bible Through Dutch Eyes" will be held at the Comfort Hotel River Plaza, 407 Chestnut Street, on Wednesday, April 13th. A social at 6:00 p.m. and dinner at 6:30 p.m. will precede Dr. Bader's presentation at 7:30 p.m. Dinner reservations are required by 9:00 a.m. on Monday, April 11th and can be made with Rob Mebane (755-4709 or 755-4278 and leave message) or Larry Mehne (706/820-1560 ext. 1254).

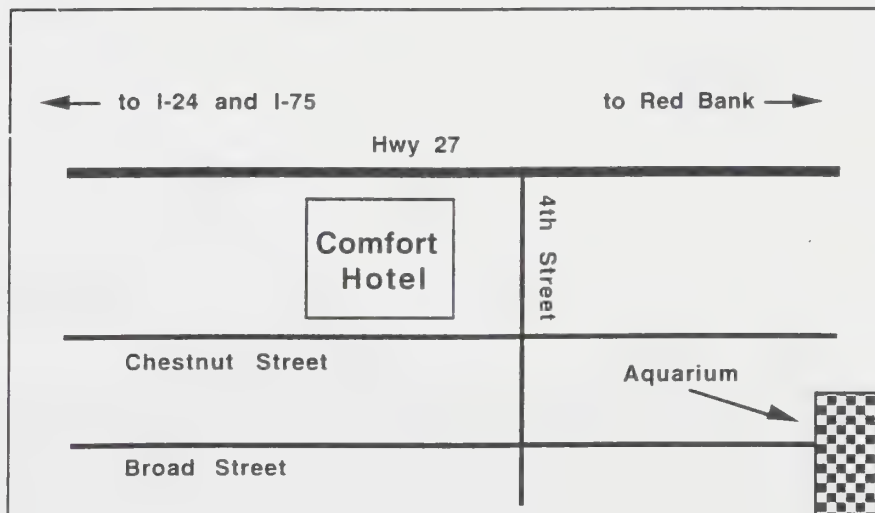
Dr. Bader is Chairman Emeritus of the Aldrich Chemical Company. A native of Austria, Dr. Bader was educated at Queens University in Ontario (BSc, Chemical Engineering; BA, History; and MSc, Chemistry) and Harvard University (MA, Chemistry and PhD, Chemistry). Dr. Bader began his career at Pittsburgh Paint and Glass as a chemist and moved to Aldrich Chemical Company in 1954 as Chief Chemist. He became President of the company in 1955. Dr. Bader is the recipient of numerous honors and awards in both chemistry and art. His talk will include slides and lithographs (to be given away at his talk) of his extensive collection of Dutch Masters which can be found at the Milwaukee Art Center, Oberlin College, Queens University, Minneapolis Institute of Arts, Lawrence University, and the University of Wisconsin Art History Gallery.

As part of his visit and talk, Dr. Bader is willing to evaluate, help identify the artist, and suggest a restoration process for old paintings the audience may like to bring to his talk. A summary of his talk before the Local Section is as follows:

One of the remarkable aspects of life in seventeenth century Holland was the study of the Bible and the identification of Dutchmen with the People of the Book and their destiny. Never before had a Christian people studied the Bible so carefully. In many Dutch families the Bible was read daily, page by page, every morning. Events which are obscure to us became common household knowledge. Just as the Jews appeared in the Bible as

the champions of God and freedom, so Dutchmen looked on themselves as the latter-day Israel, and on their fight with Spain, a fight against tyranny, of good against evil.

This talk is bound to surprise not only by illustrating Dutch identification with an understanding of the Bible, but also by the beauty of the works of so many little known masters. Our natural response to these paintings is neither awe nor humility, as it is to many of profound empathy toward the very human figures depicted. No paintings of any other period or country have ever treated the Biblical stories with such warmth and humanity.



AMERICAN CHEMICAL SOCIETY
Chattanooga Local Section

April Meeting

"The Bible Through Dutch Eyes"

Dr. Alfred R. Bader
Chairman Emeritus
Aldrich Chemical Company

WHEN: Wednesday, April 13th, 1994
Social: 6:00 p.m.
Dinner: 6:30 p.m.
Program: 7:30 - 8:30 p.m.

WHERE: Comfort Hotel - River Plaza
407 Chestnut Street

MENU: Buffet Dinner featuring Fruit/Pasta/Garden Salad, Roast Turkey and Giblet Gravy, Beef Stroganoff over Noodles, Corn Bread Dressing, Peas with Mushrooms, Corn O'Brien, Hot Rolls, Coffee, Tea, and Assorted Desserts.

Complimentary Wine, Soft Drinks, and Hors d'oeuvres will be available during the Social

PRICE: \$16.00 (\$10.00 for retirees and high school teachers and students)

TO REGISTER: Call Larry Mehne (706/820-1560, ext. 1254) or
Rob Mebane (work-755-4709 or 755-4278 and leave message)

RESERVATIONS MUST BE MADE BY 9:00 a.m. ON MONDAY, APRIL 11TH

MORE DETAILS INSIDE

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Chattanooga*

14 - Thursday

TO KNOXVILLE (111 miles)
Knoxville Hilton (AAA discount, show card, \$65)
Contact: Dr. Kelsey Cook, University of Tennessee
615 974 8019 (work) 615 694 0611 (home)
Call Dr. Cook upon arrival
12:00 Bible through Dutch Eyes
2:10 Detective's Eye -BOTH AT MUSEUM
Return to Hotel to rest
UNIVERSITY FACULTY CLUB
6:00 p.m. - mixer
6:30 p.m. - dinner
7:30 p.m. - awards presentation
7:45 p.m. - talk on Loschmidt (time approximate)

15 - Friday

TO KINGSPORT VIA MORRISTOWN (45 miles)
Walters State Community College, Dr. Larry Kennard

ON TO KINGSPORT (45 miles)

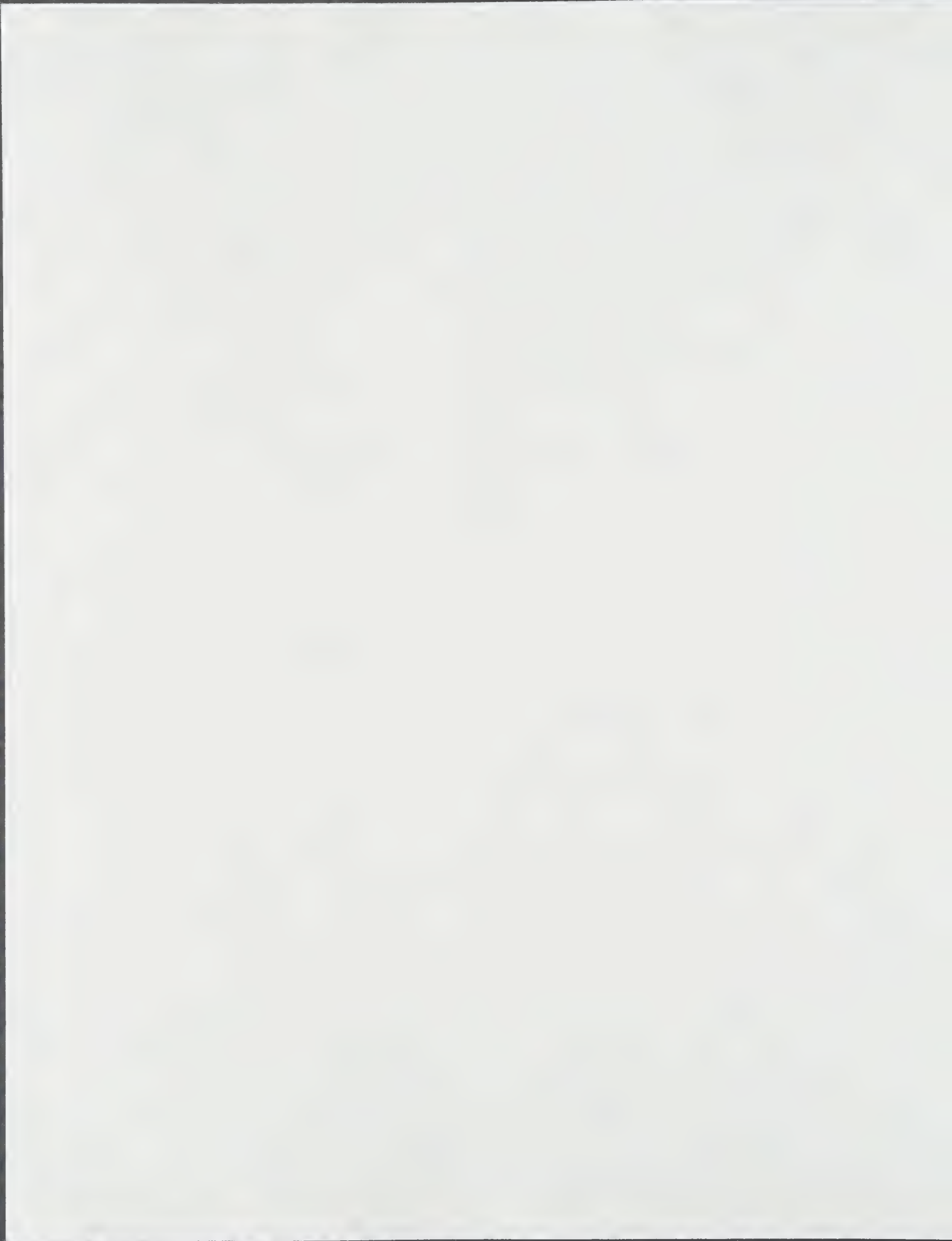
Dr. Stephen Perri, Eastman Chemical Co.
615 229 1484 (work) and 615 229 4558 (fax)

16/17

Return to Memphis

17 - Sunday

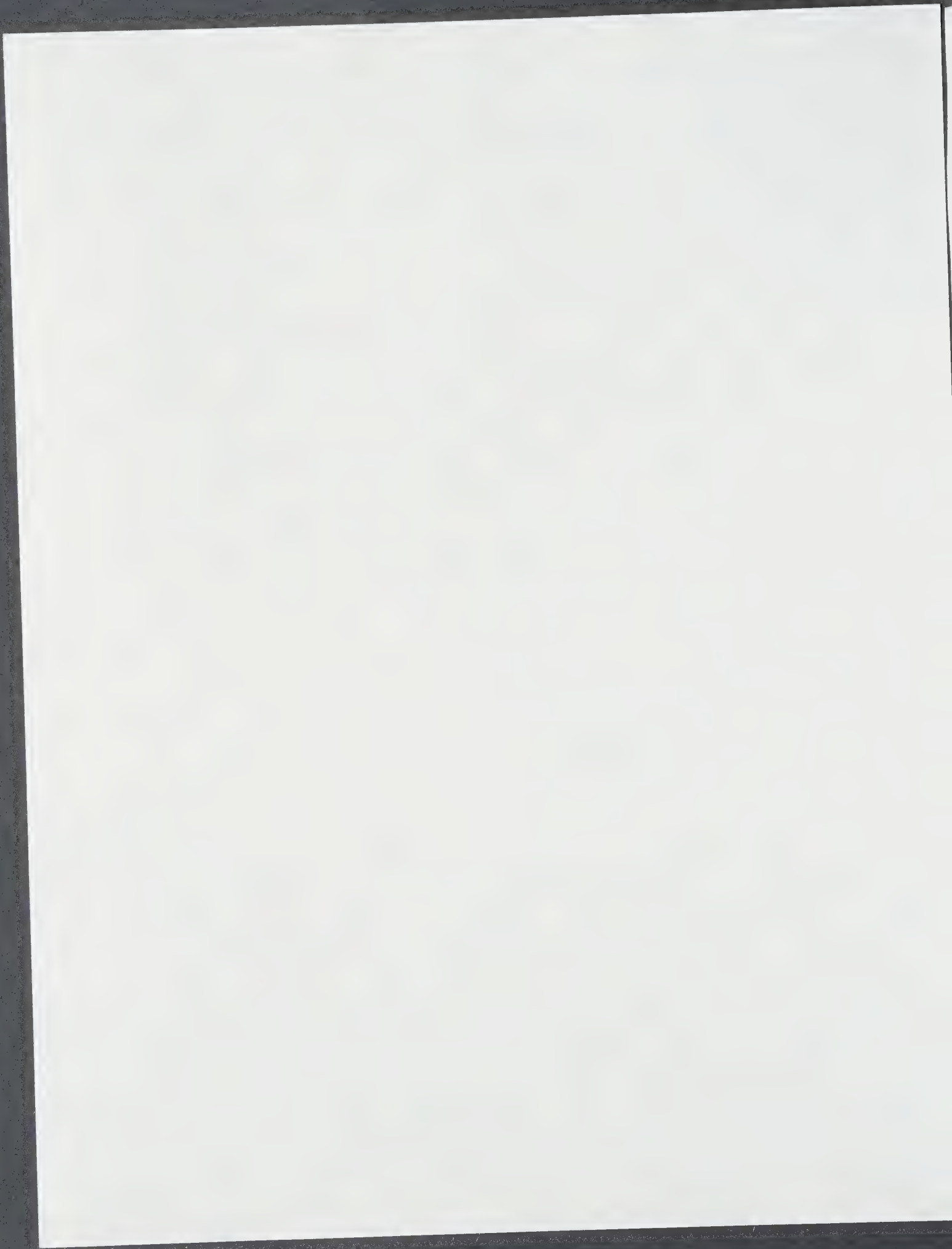
TO MILWAUKEE
Depart Memphis on NW Flight 952 at 2:05 p.m. ar. Mke 3:42 p.m.



A.C.S. TENNESSEE TRIP
April 10--17, 1994

April

- 10--Sunday TO MEMPHIS
Depart Milwaukee on NW668 at 11:30 a.m. ar Memphis 1:14 p.m
HAMPTON INN, 5230 Poplar Ave., telephone 901 683 8500
Confirmation No. 88221048 (see map and letter)
- 11--Monday Dr. Mark Freilich or perhaps Dr. Jim Bell will pick you up at the hotel
between 2:00 and 2:30 p.m.
3:00 p.m. Memphis State University, Room 304 - Loschmidt
You will be escorted to Rhodes College for Detective's Eye talk
5:30 p.m. "heavy" hors d'oeuvres
7:00 p.m. presentation
- Contact: Dr. Jim Bell 901 332 1590
Dr. Mark Freilich - 901 678 4445 (work), 901 678 2621 (other)
901 678 3447 (fax), 901 756 4464 (home)
- 12--Tuesday TO MURFREESBORO (242 miles)
Garden Plaza Hotel (rez L410208670)
4:00 p.m. Josef Loschmidt, Chemistry Dept.
7:15 p.m. Bible thorough Dutch Eyes
- Contact: Dr. James Howard, Middle Tennessee State University
615 898 5593 (work)
- 13--Wednesday TO CHATTANOOGA (98 miles)
Comfort Hotel - River Plaza (specify AARP or corporate discount on
check-in by 6 p.m. or guarantee with credit card, rez 86489)
407 Chestnut, telephone 615 756 5150
- Contact: Dr. Larry Mehne, Covenant College, Lookout Mtn. 30750
706 820 1560 (work) 820 2165 (fax), better fax 820 0672, 820 2172
(home)
6:00 p.m. - social hour
6:45 p.m. - dinner
7:45 p.m. - talk (c. 45 min. +Q/A)



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Alfred Bader

Weidenfeld & Nicolson
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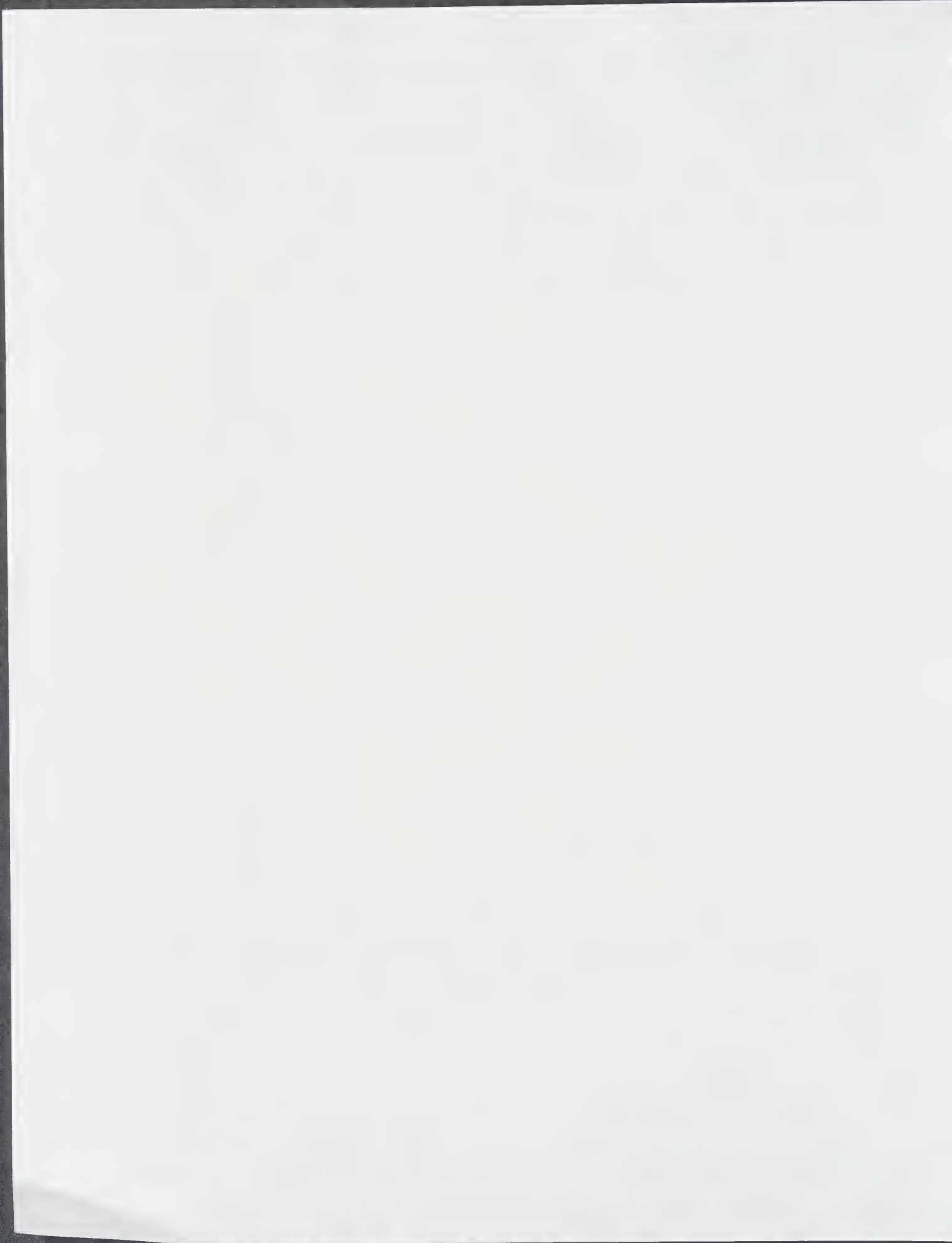
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Fax: 414/277-0709

A Chemist Helping Chemists

March 2, 1998

Page 1 of 2

To: Dr. Alan Nixon
Fax: 510 / 848-0513

Dear Alan:

You will have seen Ms. Sylvia Ware's fax of February 27, copy attached for ready reference.

I am delighted to know that this *seems* to be working out and I await only your approval to send the \$5,000 to the ACS.

What is such fun is that the chemist who is shown on the tapes is still around, practically unchanged except for his beautiful white hair - and of course I hope that it will be he who will be shown expressing his strong caution.

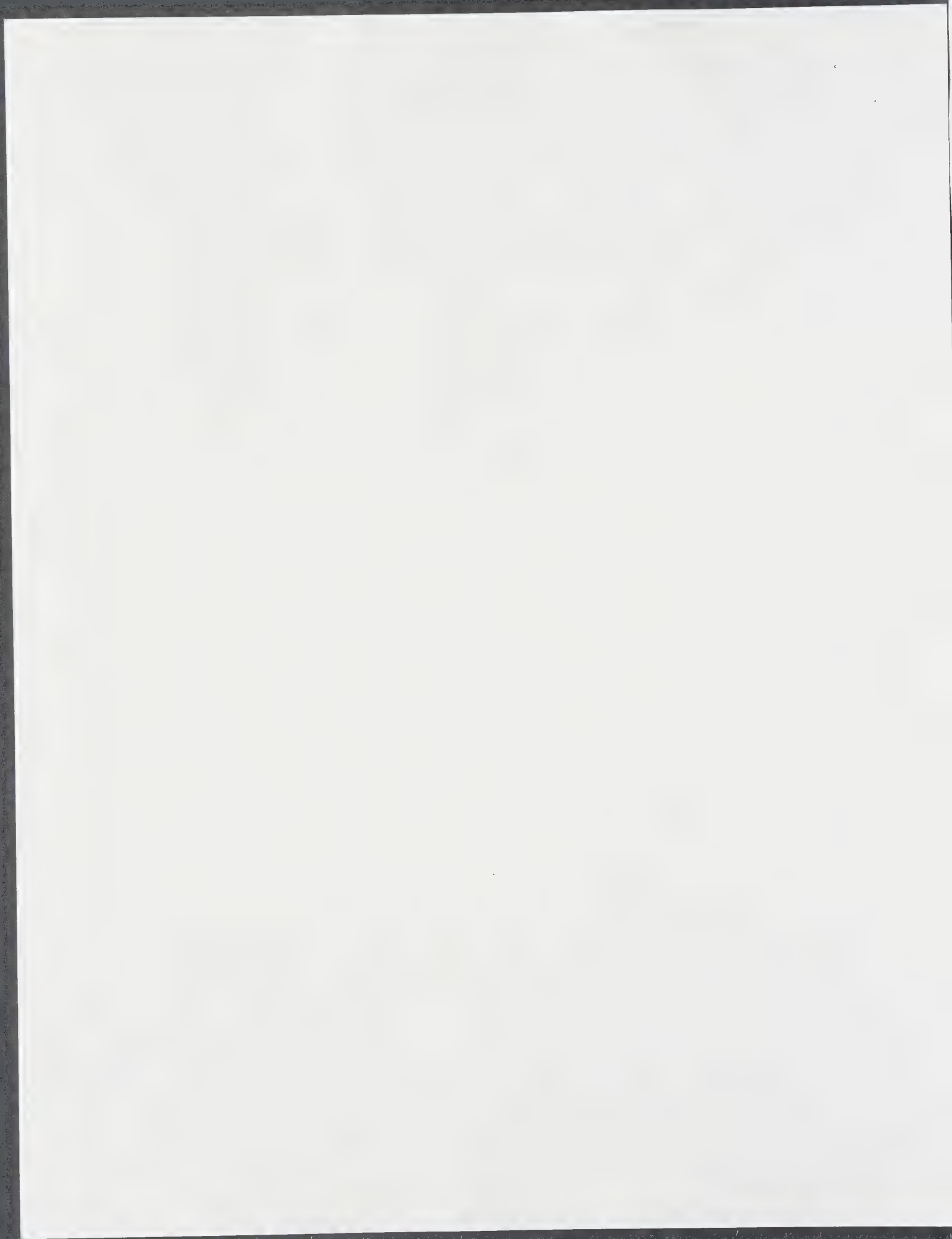
I much look forward to hearing from you.

Best wishes, as always,

AB/nik

Attachment

c: Ms. Sylvia Ware
Dr. Arnold Thackray





American Chemical Society

EDUCATION DIVISION

Sylvia A. Ware, Director

February 27, 1998

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

1155 SIXTEENTH STREET

WASHINGTON, D.C. 20036

Phone (202) 872-4388

Fax (202) 872-8068

e-mail: saw97@acs.org

Dear Dr. Bader:

It was a true pleasure talking with you this morning. I wanted to take this opportunity to summarize our discussion.

First, I thank you again, on behalf of the ACS Education Division, for your gift of \$50,000 for Project SEED College Scholarships in 1998. It is my understanding that you wish to continue donating \$50,000 for SEED Scholarships annually. The ACS matching gift program-Challenge 2000-will continue to match your donations, dollar-for-dollar, until the year 2000. After that, we will have to approach the ACS Board of Directors for additional matching funds for any future donations to Project SEED.

I was pleased to hear that we share the same concerns about "Tempest in a Test Tube". Certainly, we both want to avoid exposure for liability litigation and so I agree the tapes cannot be distributed to students. Your idea of having them available for the local sections is excellent. We can have several copies made of each, with a strong precaution added at the beginning and end of each tape, and make them available to local sections through a loan program. We will use your \$5,000 donation to prepare these tapes and cover the costs of advertising and distributing them to the local sections. In addition to the loan program, we would also ensure that the Chemical Heritage Society receives the full series on tape.

Again, thank you very much for your continued support of activities of the American Chemical Society, in particular Project SEED. I look forward to seeing you again in Boston.

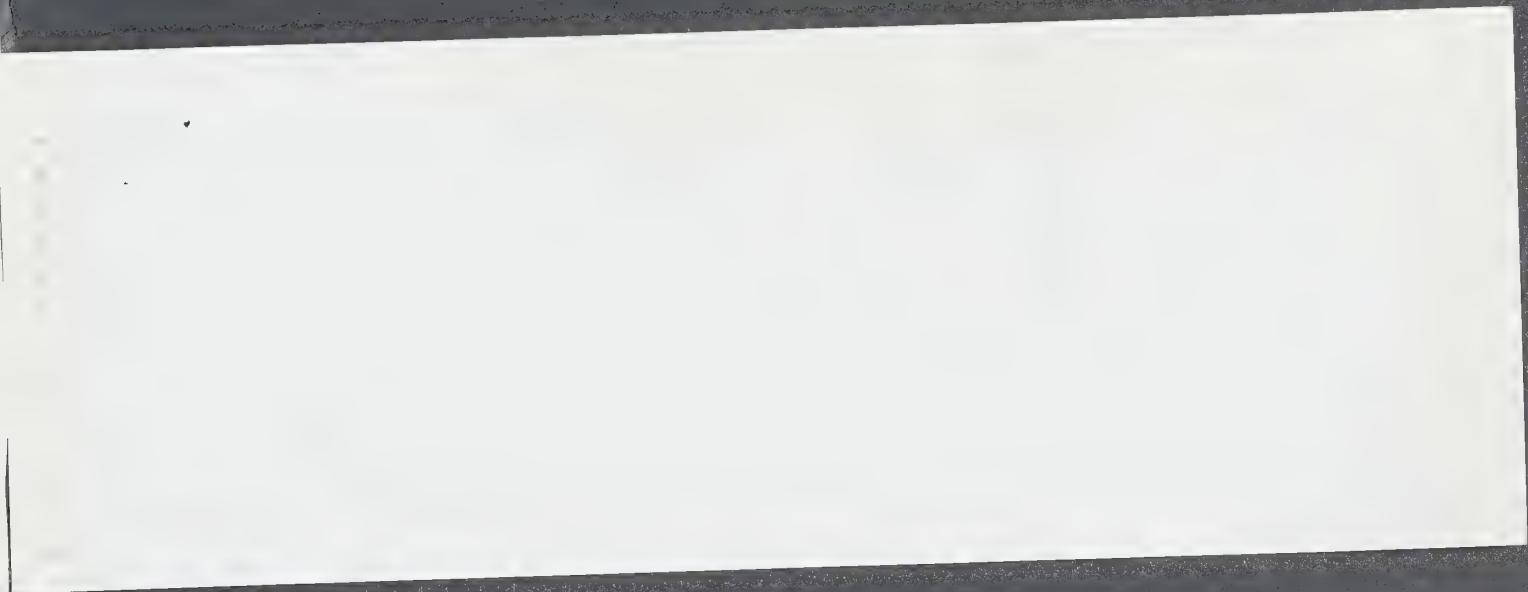
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A handwritten signature in cursive script that reads "Sylvia Ware".

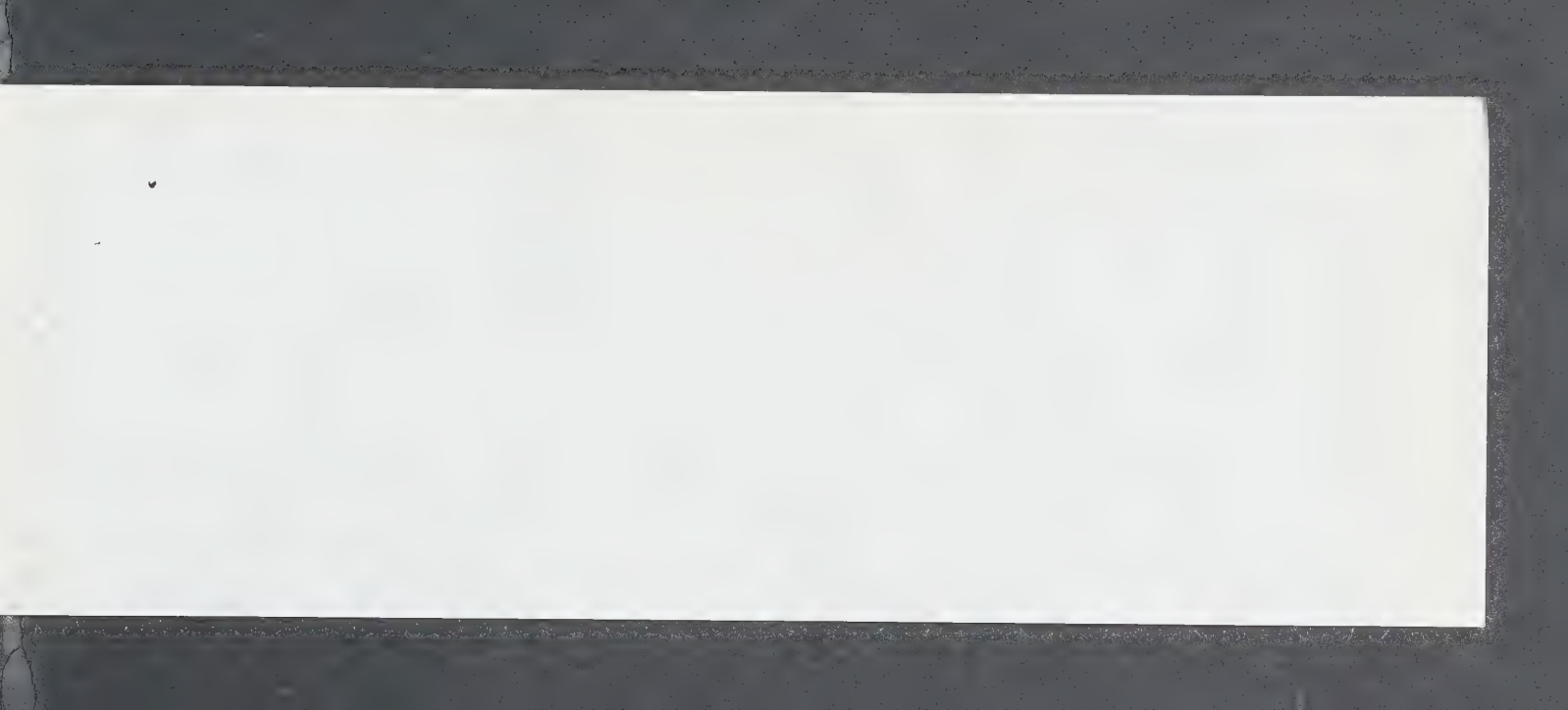
Sylvia Ware

cc: Pamela Ayre
Christine Brennan
Janet Boese
Alan Nixon















American Chemical Society

DEPARTMENT OF ACADEMIC PROGRAMS

1155 SIXTEENTH STREET, N.W.
WASHINGTON, D.C. 20036

September 16, 1997

Dr. Arnold Thackray, President
Chemical Heritage Foundation
315 Chestnut Street
Philadelphia, PA 19106-2702

Dear Dr. Thackray;

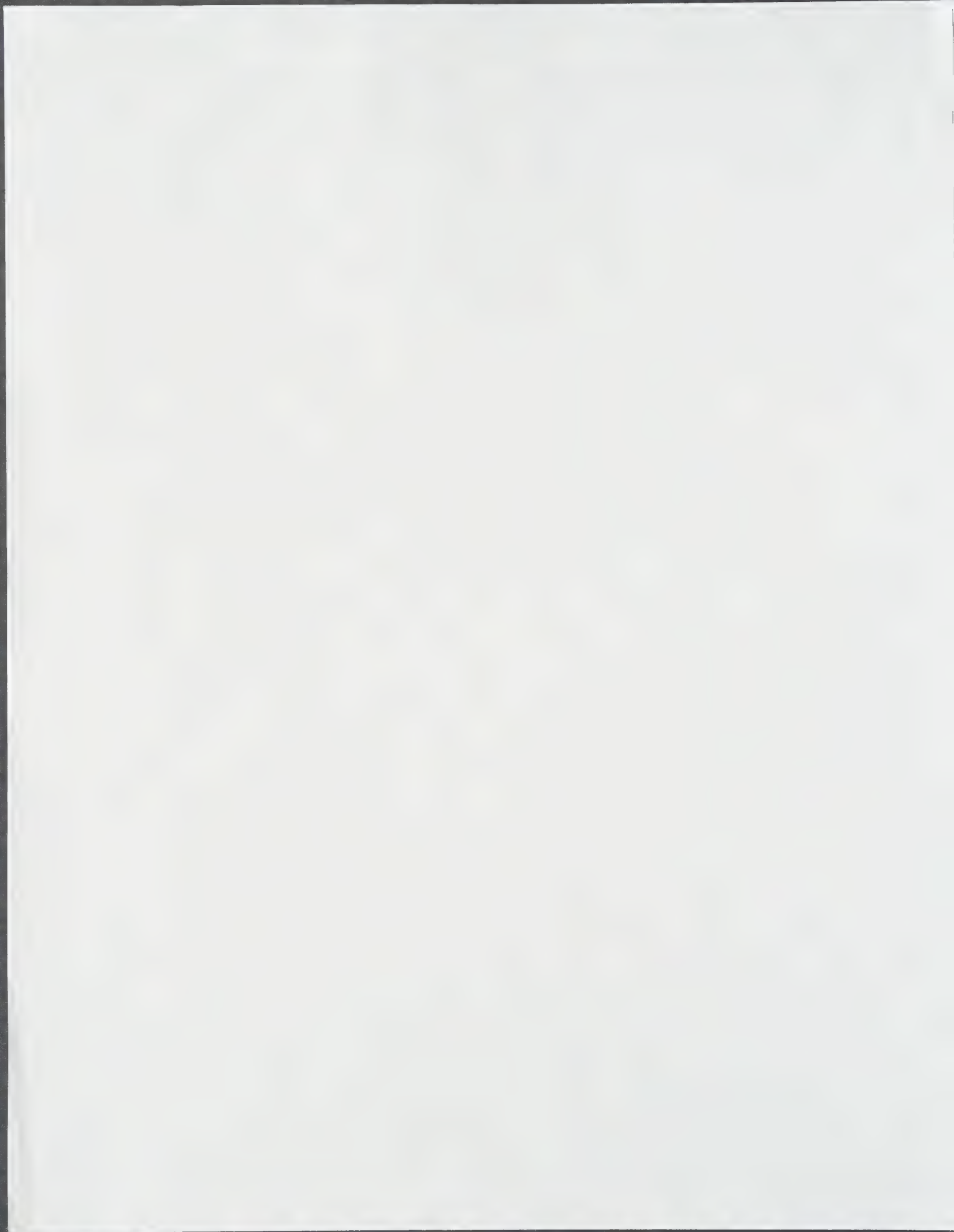
I am writing, on behalf of the ACS Project SEED program, in response to the letter sent to you by Alfred Bader on July 31, 1997. In his letter, Dr. Bader suggested that the Chemical Heritage Foundation or the ACS could be responsible for the archival tapes of the "Tempest in a Test Tube" series. Given the nature of our programs at ACS, we do not have the resources available to undertake such a project. However, we would be in support of these tapes residing within the archives of the Chemical Heritage Foundation.

Sincerely,

A handwritten signature in cursive script that reads "Christine Brennan".

Christine Brennan, Ph.D.
Staff Liaison, Committee on Project SEED

cc: Alfred Bader ✓
Herbert Silber





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

A Chemist Helping Chemists

December 31, 1997

Dr. Allen Heininger
20 South Central
Suite 200
Clayton, MO 63105

Dear Al:

I am sorry that a long trip to England and Spain has delayed my responding to your delightful and important letter of November 12th.

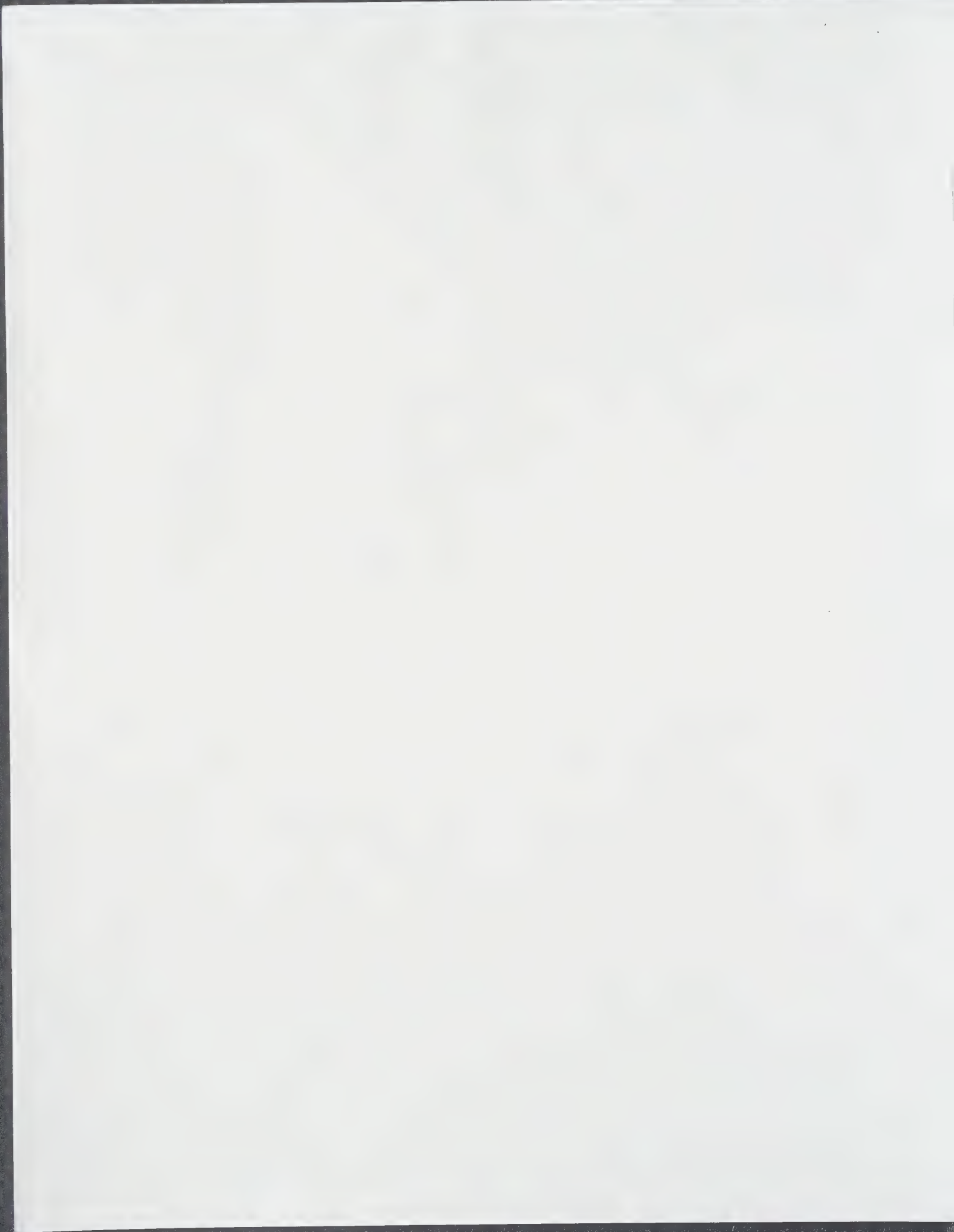
First of all I am so happy to know that there is now a better rapport between the ACS and the Chemical Heritage Foundation. I have found Arnold Thackray very able but feel that he should spend much more time as a historian of chemistry rather than as a fundraiser.

As you will know, it was Paul Gasman who led Isabel, the Helen Bader Foundation and me to give the first \$300,000 for the Project SEED II scholarships and we would now very much like to continue with \$5,000 scholarships which seem to mesh so very well with the ACS scholars program initiated by you.

But if I may write to you as a friend rather than as a former president of the ACS: I was rather surprised to read Ronald Breslow's comments in C&E News about how highly he thinks about the staff of the ACS.

My contacts have been mainly as a local section speaker and I have found the people at the ACS to be really incompetent. I could tell you one horror story after another but it would be a waste of time.

But even in the Project SEED efforts there are serious flaws. Please consider my letter to Pamela Ayre of November the 3rd where I asked a simple question whether the \$5,000 scholarships would go to Project SEED II students as we envisaged or to Project SEED I students also. Surely this is a fair question and yet I have had no reply either to that or to my previous offer to fund the replication of some delightful television videos that were produced in the 1950s.



Dr. Allen Heininger
December 31, 1997
Page two

Nobody likes to be labelled as an old grouch. What would you do in my position?

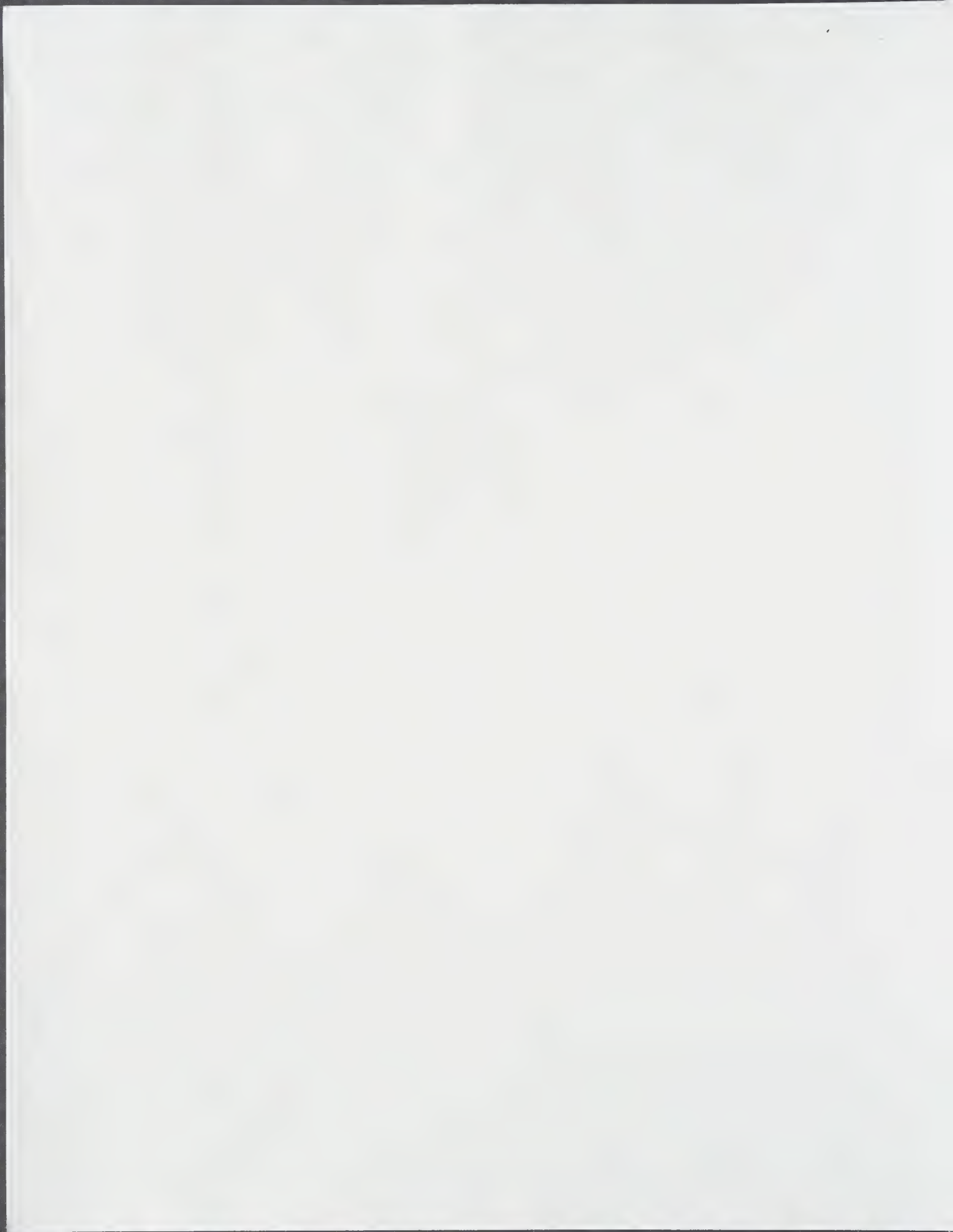
Isabel and I very much hope that you and Elizabeth will be able to visit us in Milwaukee before long.

With all good wishes for a happy and healthy 1998, I remain,

Yours sincerely,

AB/nik

Enclosures





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

A Chemist Helping Chemists

October 6, 1997

Dr. Michael Bowen
Deputy Executive Director and Secretary
American Chemical Society
1155 16th Street, NW
Washington, DC 20036

Dear Dr. Bowen:

I hope that you did not think that I had forgotten our discussion in San Francisco and your memo of May 5.

I tried to track Jerome Lemelson down in Nevada but his secretary put me off repeatedly and I could not even speak to him by telephone. Now I understand: as you will see from Saturday's *New York Times*, he died of liver cancer last Wednesday.

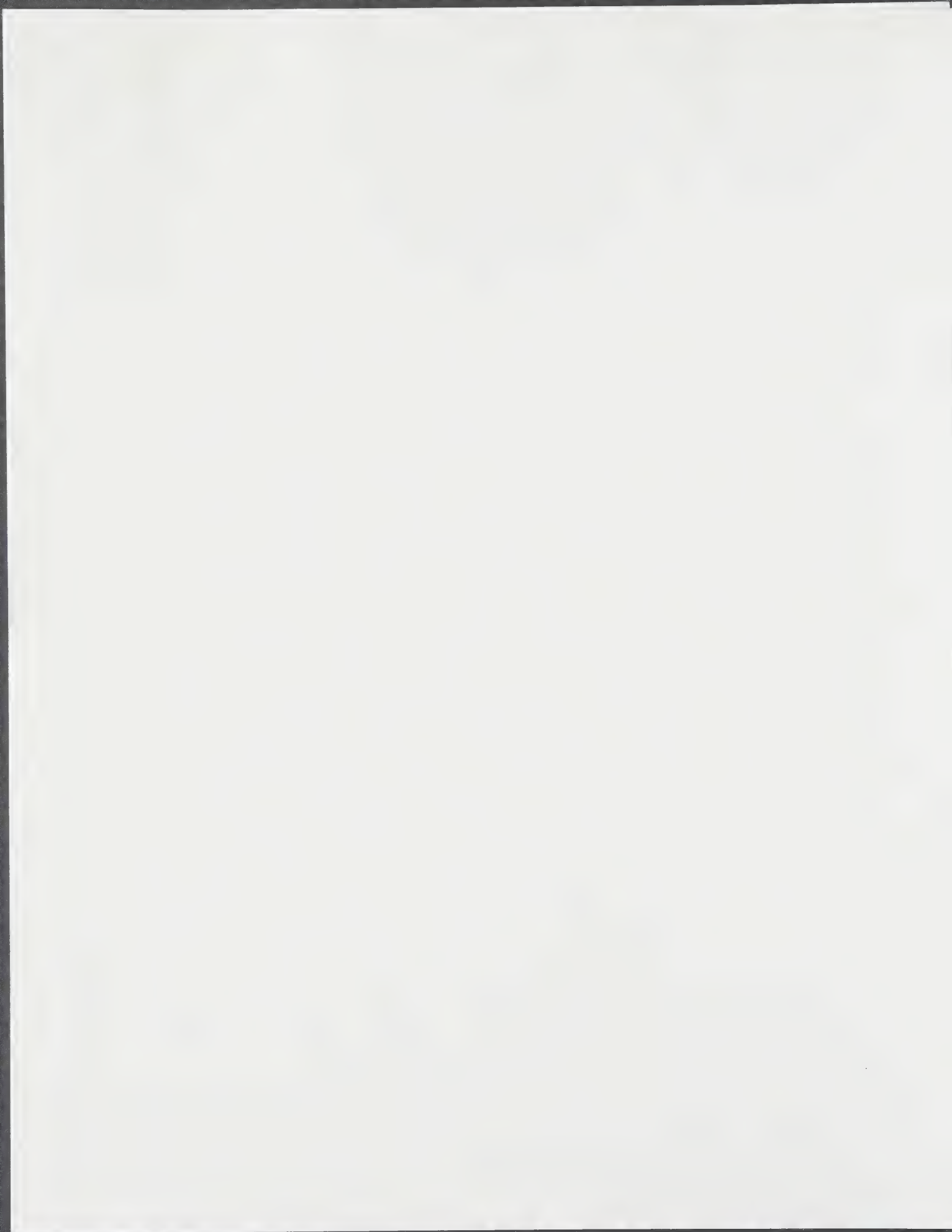
I think that I would really have enjoyed getting to know him, but the best laid plans of mice and men ...

Best personal regards,

Sincerely,

AB/nik

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 8, 1997

Ms. Jennifer H. D'Elia
American Chemical Society
1155 Sixteenth Street N.W.
Washington, DC 20036

Dear Ms. D'Elia:

I have just received Professor Ernest Eliel's most interesting suggestion of May 3rd, and I will respond to him and you regarding this within a few days.

I have not yet heard from Dr. Nixon about my offer about the *Tempest in a Test Tube* tapes and muck look forward to hearing you and him after you have decided.

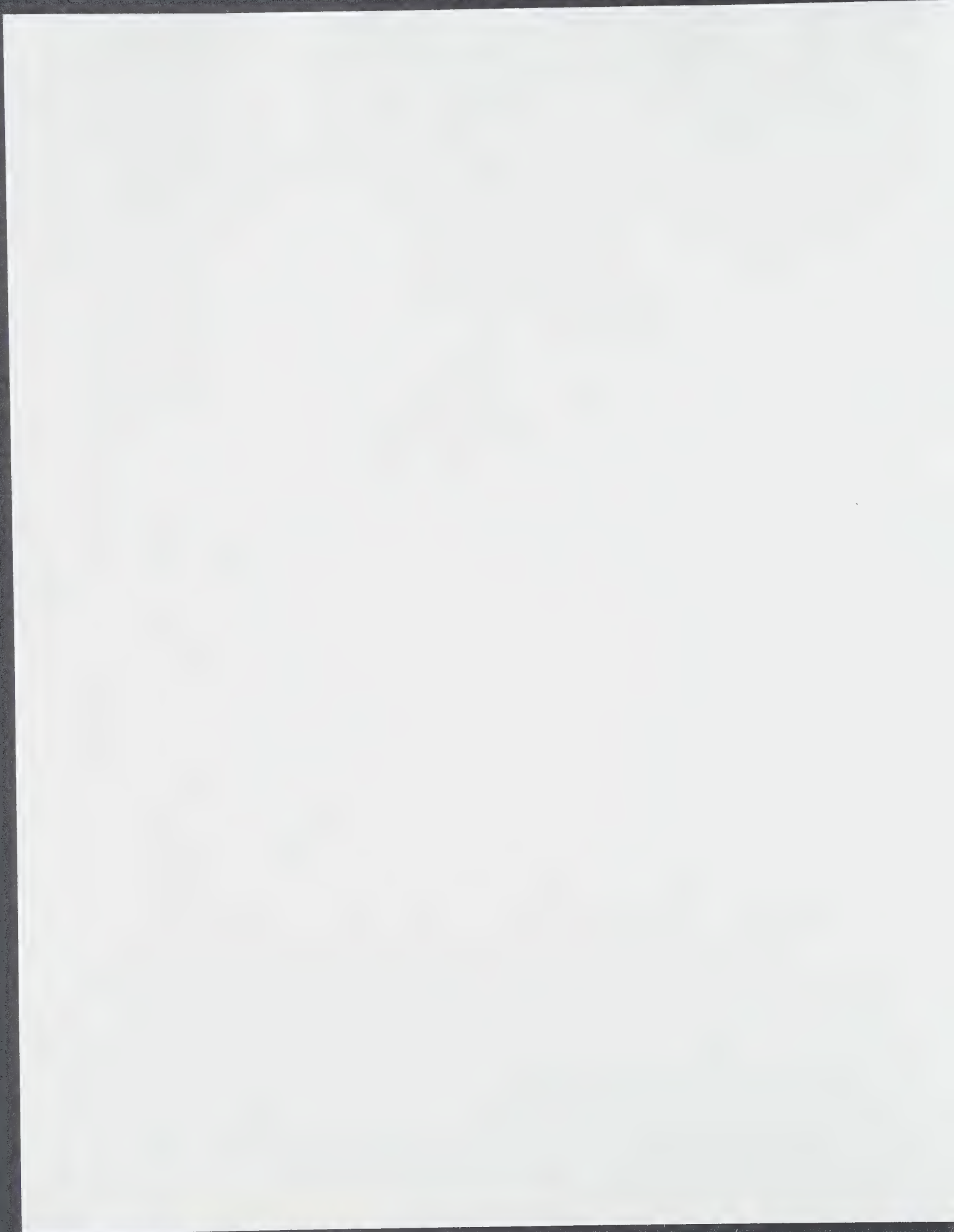
May I ask you for your help in another matter? During the meeting, an ACS member, Dr. L.R. Warren, helped Isabel and me while we were carrying all sorts of stuff by giving us one of his ACS bags. I wrote to him, as you will see from the enclosed, to the address which he gave me, but that thank-you has just been returned by the Post Office, stating that Dr. Warren is not known there. Could you perhaps send me Dr. Warren's correct address?

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

Yours sincerely,

AB/cw

Enclosure





American Chemical Society

AWARDS PROGRAM

E. James Bradford, Ph.D.
Awards Administrator

1155 SIXTEENTH STREET, N.W.
WASHINGTON, D.C. 20036
Phone: (202) 872-4408

February 12, 1997

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

Dear Dr. Bader:

It is a pleasure to inform you of arrangements for the presentation of the 1997 Alfred Bader Award in Bioinorganic or Bioorganic Chemistry.

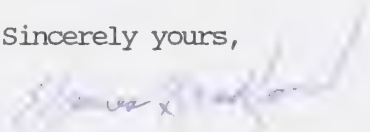
The Society cordially invites you and your guest to be its guests at the reception and dinner in honor of the 1997 recipients of ACS Awards on Tuesday evening, April 15, at the Sheraton Palace Hotel. I have summarized the arrangements for the dinner and the presentation ceremony on the enclosed sheet for your reference.

Awardees will be seated at assigned tables with representatives of the sponsor and other guests. If the combined group is too large for a single table, adjacent tables will be utilized.

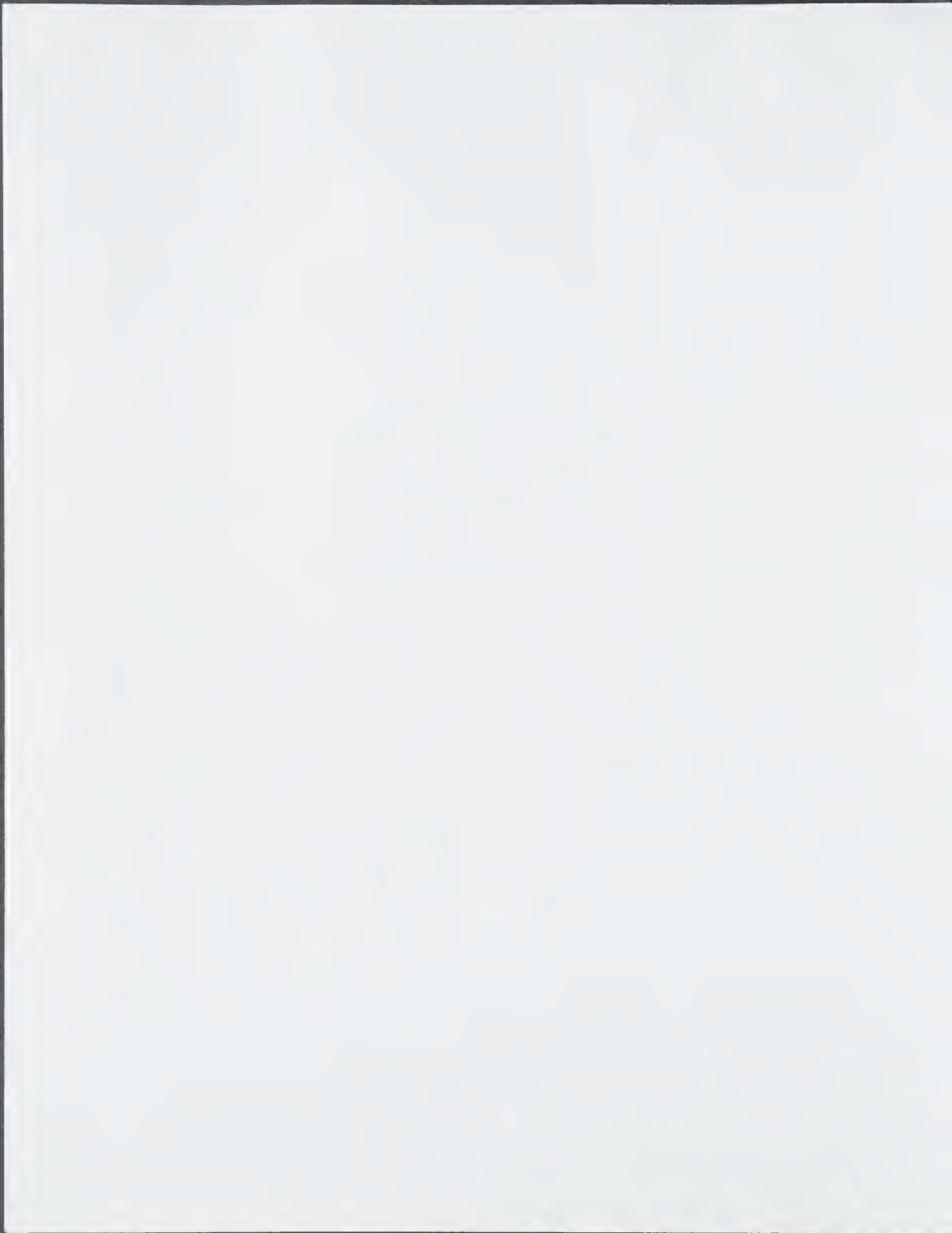
I will be happy to reserve places at the awards dinner for friends whom you wish to invite, and to assist you in purchasing dinner tickets for them through my office. It will help us to coordinate all arrangements if you will return the completed registration form(s) and dinner guest list to the Awards Office and send your housing form directly to the ACS Meetings Office. Please note, the deadline for receipt of registration and housing forms is March 14.

Please feel free to call my office with any questions or if you have special needs in connection with this event.

Sincerely yours,


E. James Bradford
Awards Administrator

EJB:rpt



FAX FROM



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

A Chemist Helping Chemists

March 28, 1997

Page 1 of 1

To: Dr. Jorge L. Colón
President, Puerto Rico Section
American Chemical Society
Fax: 809 / 751-0625

Dear Dr. Colón:

I am sorry that a four-lecture tour organized by the Delaware ACS has delayed my thanking you for your fax of March 18.

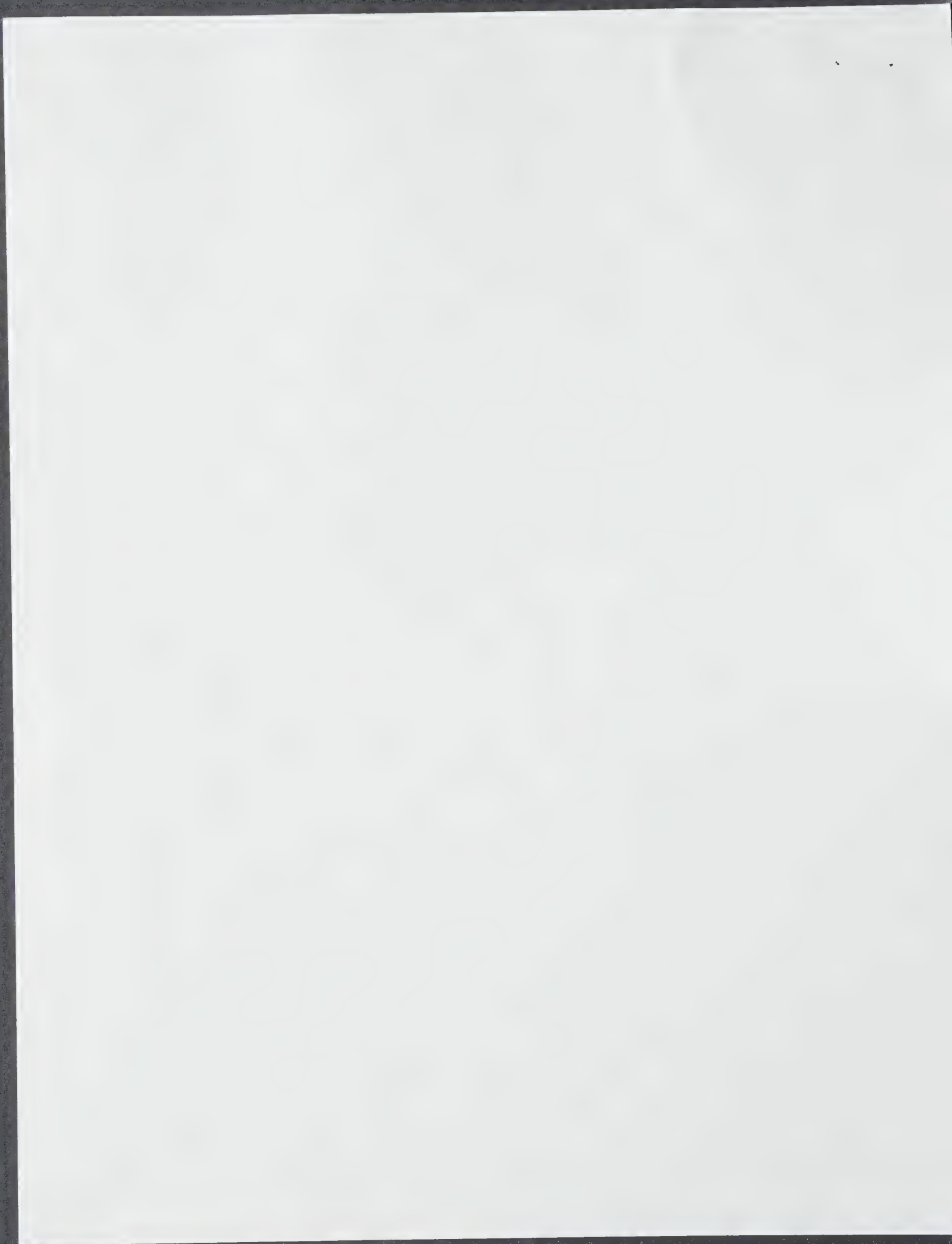
Do urge the president-elect of your section to keep in mind that Isabel and I would be happy to come to Puerto Rico but that such a trip has to be coordinated at least with your Art Museum. You have an excellent museum, specializing in the very kind of paintings that I have collected all my life and I do believe that they would enjoy one or two of my talks.

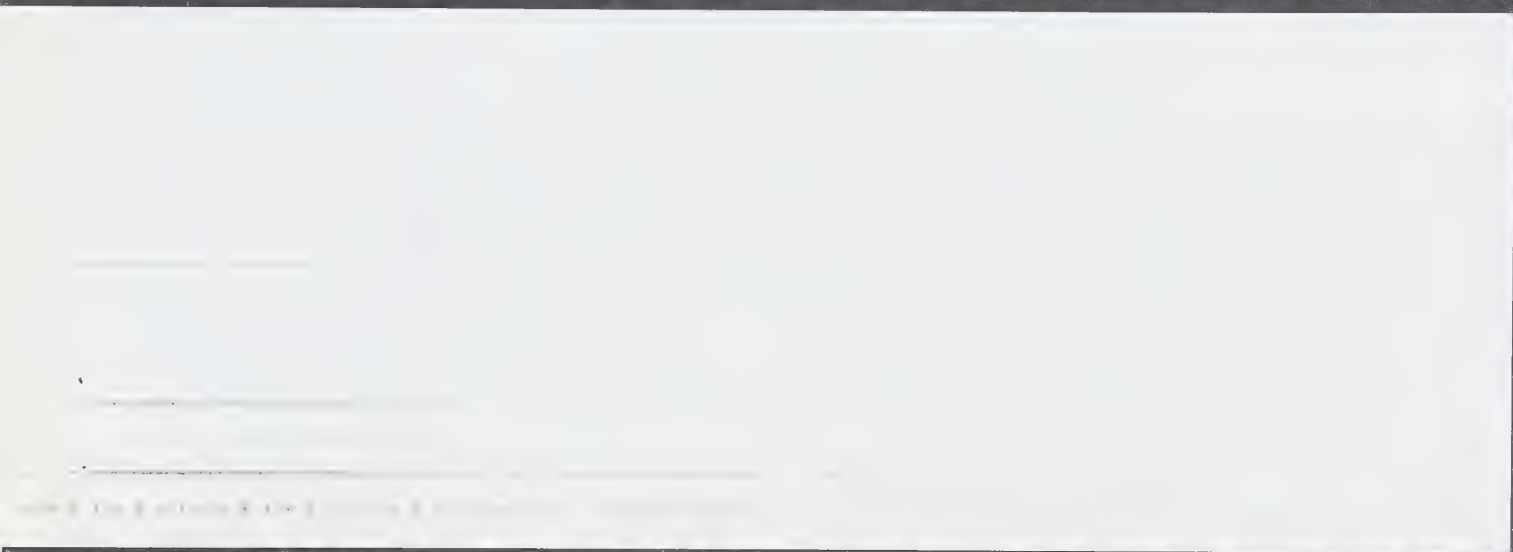
Isabel and I much look forward to seeing you in San Francisco. If past book signings are any indication, you will have no difficulty whatever talking* to both of us.

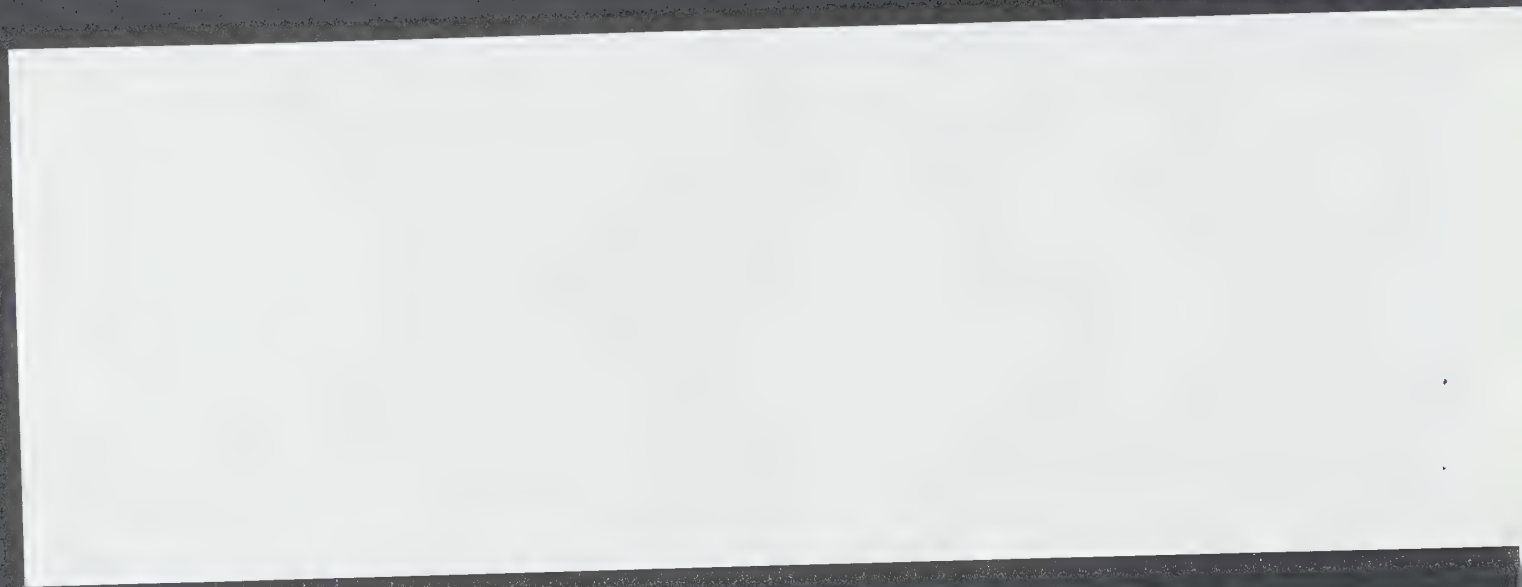
With all good wishes, I remain,

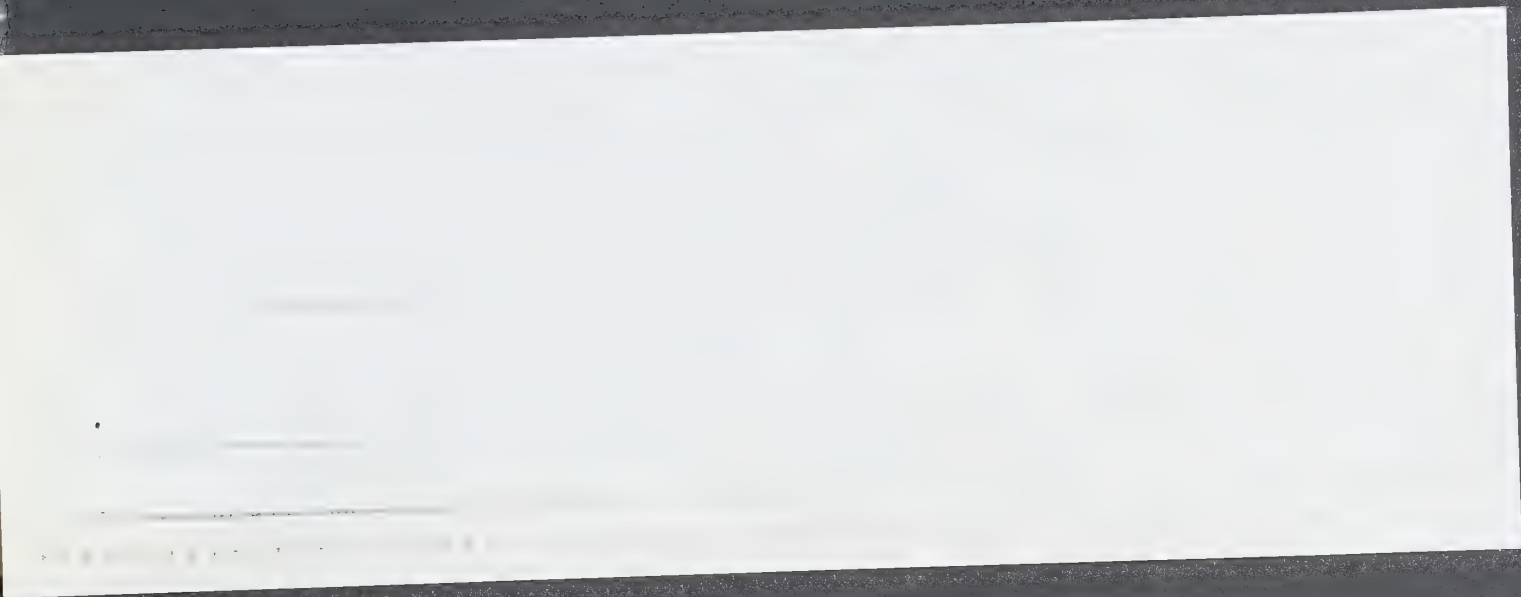
Yours sincerely,

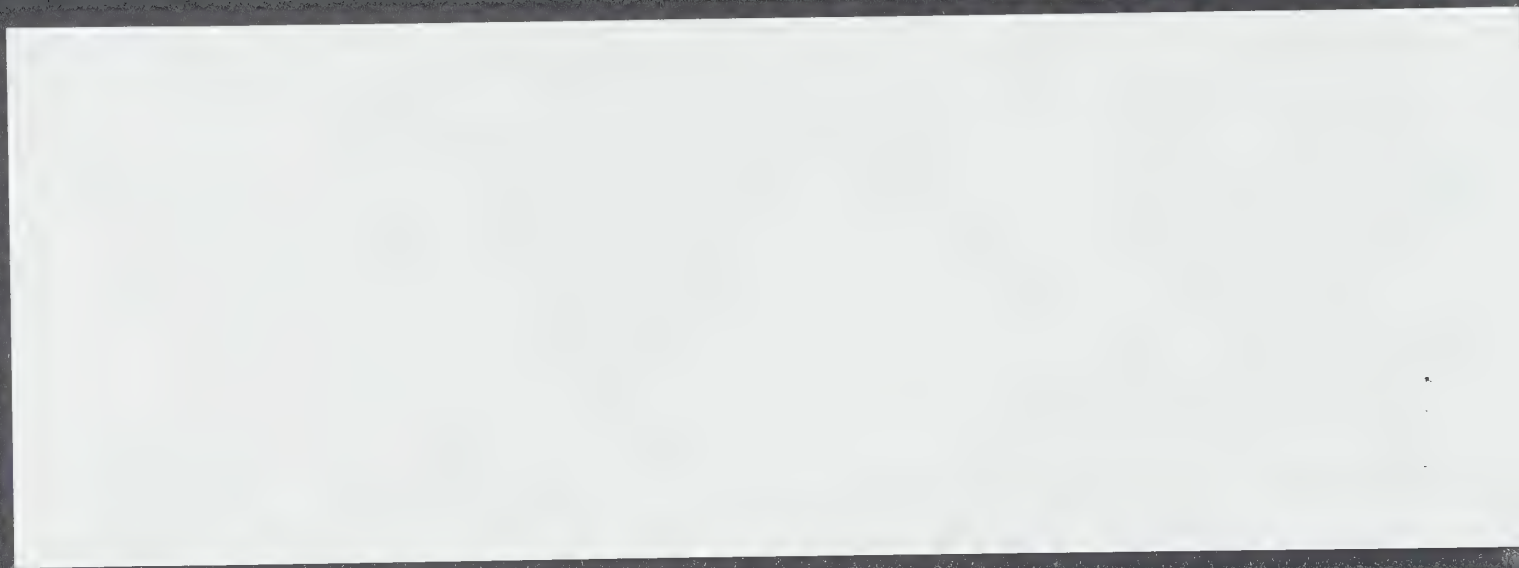
* But please: to Isabel
every in Spanish!











787



PUERTO RICO SECTION

AMERICAN CHEMICAL SOCIETY

Publisher of
BORINCHEM
Bulletin of the Section

March 18, 1997

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

Dear Dr. Bader:

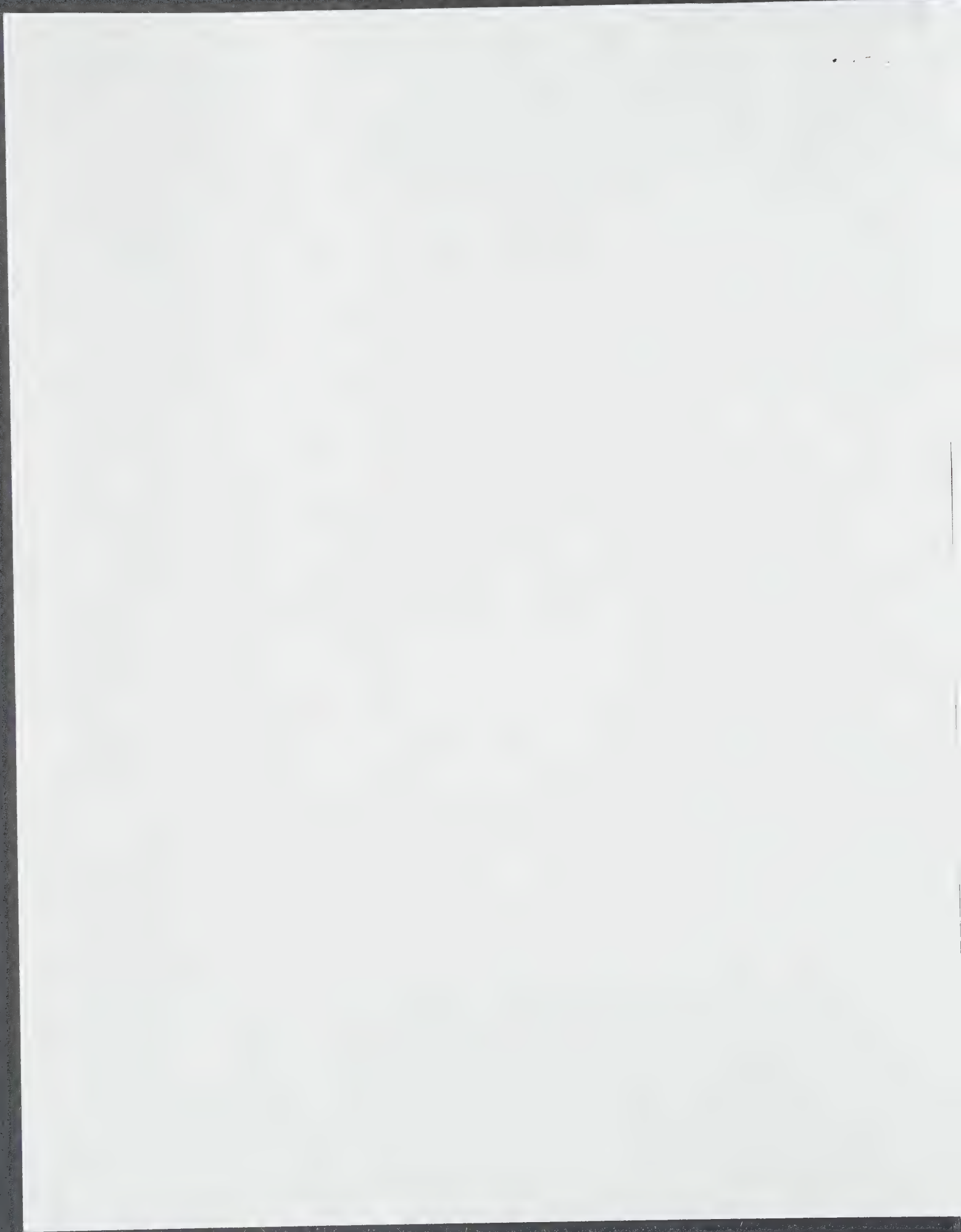
Thanks a lot for remembering us when you were deciding your travel plans for next year. As you know, I was looking forward to having you visit us last December, but unfortunately you could not make the trip to Puerto Rico. I would love to have you among us at any other time, but when I approached the president-elect about your idea of coming next February, she told me that she did not want to make such a commitment with so much time in advance. I guess I was not able to convince her of how great it would be to have you among us. So, I am sorry to tell you that we can not accept your offer for next February.

Anyway, I just received a card from the ACS announcing that you will be signing copies of your book at the ACS Meeting in San Francisco. I will be at the meeting and I am happy that I will be able to meet you there (hopefully the crowd will let me approach you for an autograph). Good luck with all your future plans,

Sincerely,

Dr. Jorge L. Colón
President
Puerto Rico Section
American Chemical Society

Post-it [®] Fax Note		7671	Date	21-3-97	# of pages	1
To	Dr. Alfred Bader		From	Jorge Colón		
Co./Dept.			Co.			
Phone #			Phone #			
Fax #	(44) 962 8322		Fax #	(307) 756-7717		





American Chemical Society

Department of Membership Activities
Office of Local Section Activities

1155 SIXTEENTH STREET, N.W.
WASHINGTON, D.C. 20036

February 21, 1997

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

Dear Dr. Bader:

It is time for you and the local sections of the Keystone Circuit to begin making the final arrangements for your upcoming speaking tour. Enclosed for your reference are: your itinerary; a list of local contacts; a copy of the preparation procedures letter sent to the program chairmen; and profiles of sections you will be visiting. The local contacts should be in touch with you soon regarding the details of your trip. If you have not heard from a representative from each of the groups by the time your tour is due to begin, contact these individuals directly.

Please read the instructions on the enclosed travel expense voucher prior to your departure. Reimbursement of your expenses will occur soon after you submit the completed report of your costs, along with all original hotel, transportation, and other pertinent receipts. Expenses incurred by anyone who may accompany you will not be reimbursed. If you need an advance on your travel expenses, contact this office; an amount covering the cost of air fare plus \$50 per travel day may be issued.

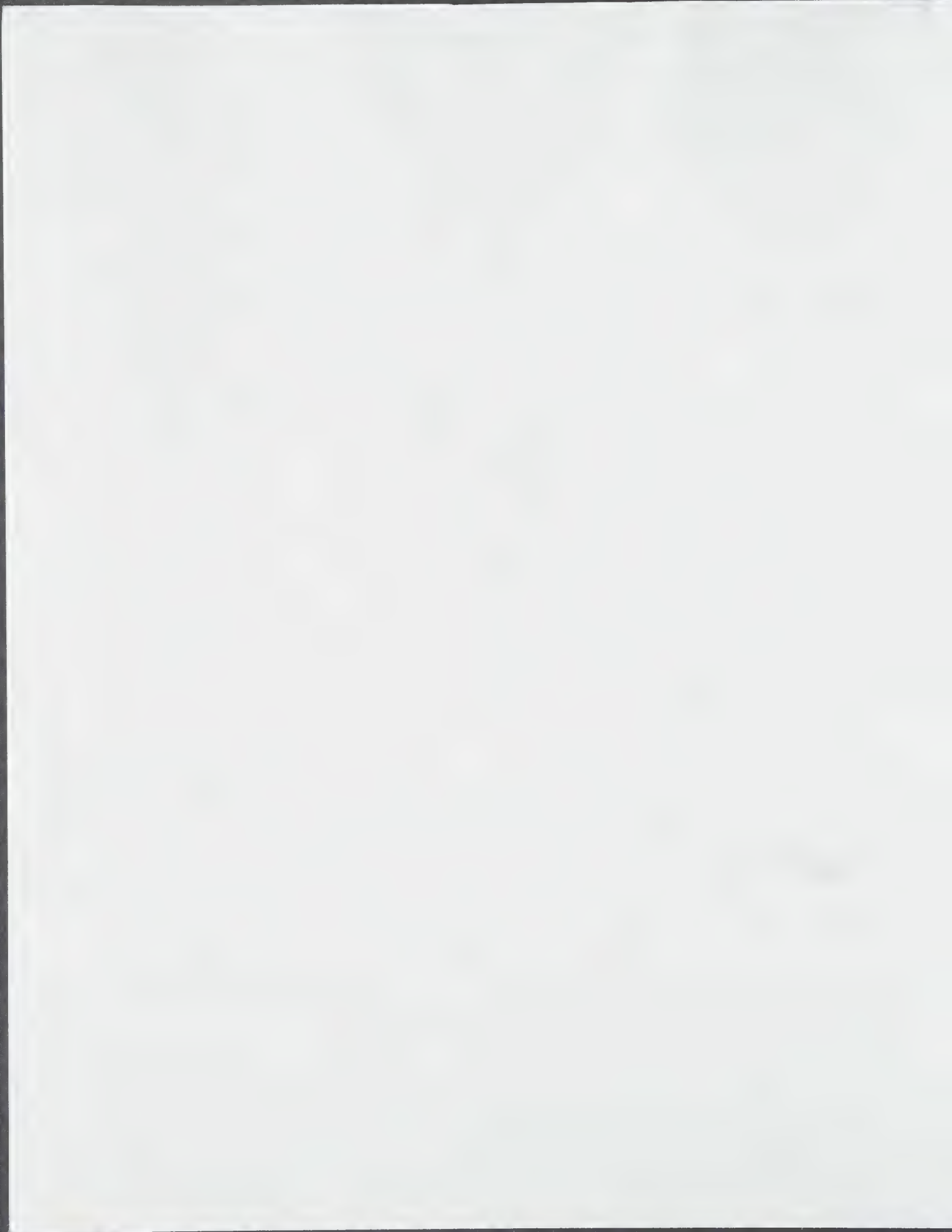
As the local sections taking part in your tour must ultimately pay for the trip, we encourage you to economize as much as possible while you travel. Make airline reservations as early as possible (at least 30 days in advance) to take advantage of "supersaver" or other bargain air fares. Rental car discounts are available to ACS members through Dollar, Hertz, and National as explained in the enclosed "Special Notice to ACS Tour Speakers". At transportation counters, hotels, motels, and restaurants, ask about any reductions in costs to which you are entitled by virtue of your current memberships in trade organizations, other professional societies, special benefit plans, etc. Your efforts in regard to controlling costs will enable the Society to continue the tour speaker program at its current reasonable cost to the local sections, despite rising travel prices.

Thank you for your cooperation. The local sections and I are most appreciative of the time and effort you are donating to the Speaker Service. If you have any questions or problems, please contact me at 202/872-4612.

Sincerely,

Sarah Nash
Local Sections Speaker Service

SN/jah
Enclosures



**Final Itinerary and Contacts
Dr. Alfred Bader
Keystone Circuit**

Date/Location/Topic

Contact Person

Tuesday, April 29, 1997
Olean, N.Y.
Topic 1

Penn-York Section
Mr. James W. Barrett
Witco Corporation
77 N. Kendall Avenue
Bradford, PA 16701
(814) 368-1238 (Work)
(814) 362-5305 (Home)
(814) 368-1363 (Fax) —

Wednesday, April 30, 1997
State College, PA
Topic 1

Central Pennsylvania Section
Ms. Tracy Oriskovich
152 Davey Lab
University Park, PA 16802
(814) 863-9638 (Work)

Thursday, May 1, 1997
Cumberland, MD
Topic 1

Western Maryland Section
Mr. William J. Vail
15711 Winstow Street
Cumberland, MD 21502
(301) 687-4174 (Work)
(301) 729-0741 (Home)

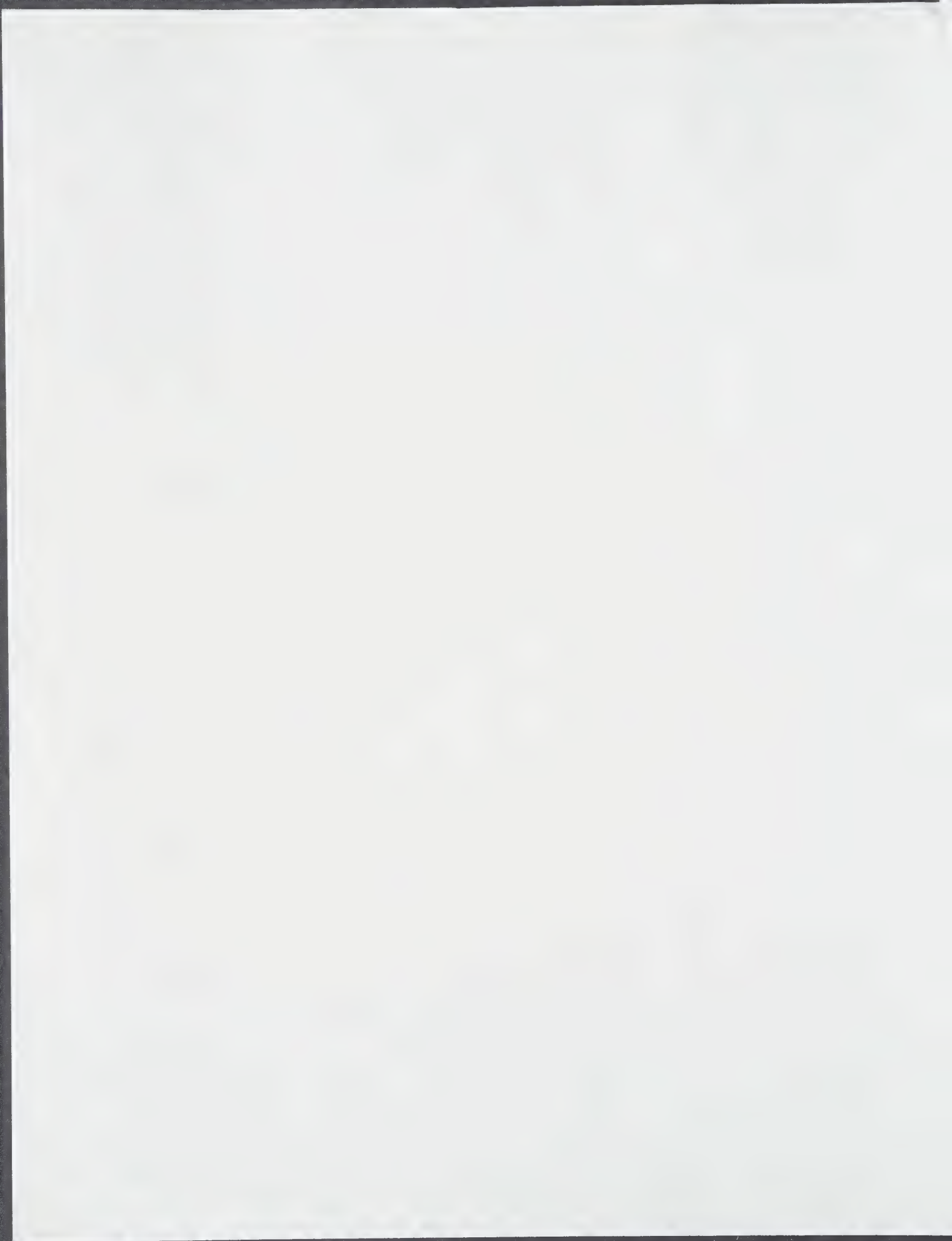
Friday, May 2, 1997
Morgantown, W.Va.
Topic 1

Northern West Virginia Section
Mr. Fred L. King
WVU
Department of Chemistry
Box 6045
Morgantown, W.Va 26506-6045
(304) 293-3435 x4451 (Work)
(304) 293-4904 (Fax) —

Topic 1: Adventures Of A Chemist - Collector.

Evening meetings are planned by all local sections.

2/13/97



FAX FROM



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

A Chemist Helping Chemists

March 4, 1997

Page 1 of 2

To: Ms. Sarah Nash
ACS Speaker Service
Washington, D.C.
Fax: 202/872-4353

Dear Sarah:

I am really shaken to receive your letter of February 21st (postmarked February 27th) telling me now that I am to speak in Olean, NY; State College, PA; Cumberland, MD and Morgantown, WV from this April 29 through May 2nd.

I did fax you twice on August 15, 1996 saying that the Keystone Circuit would be possible at the end of April 1997, but in December when you sent a fax to my office regarding the trip, my office manager, Cheryl Weiss, replied on my instructions that my calendar for April was completely filled with other commitments and that I would be happy to consider the trip in September of 1997 if confirmed early enough. I enclose a copy of her fax to you of December 2, 1996. In addition, at one point you told me over the telephone that the Keystone Circuit was not possible this year.

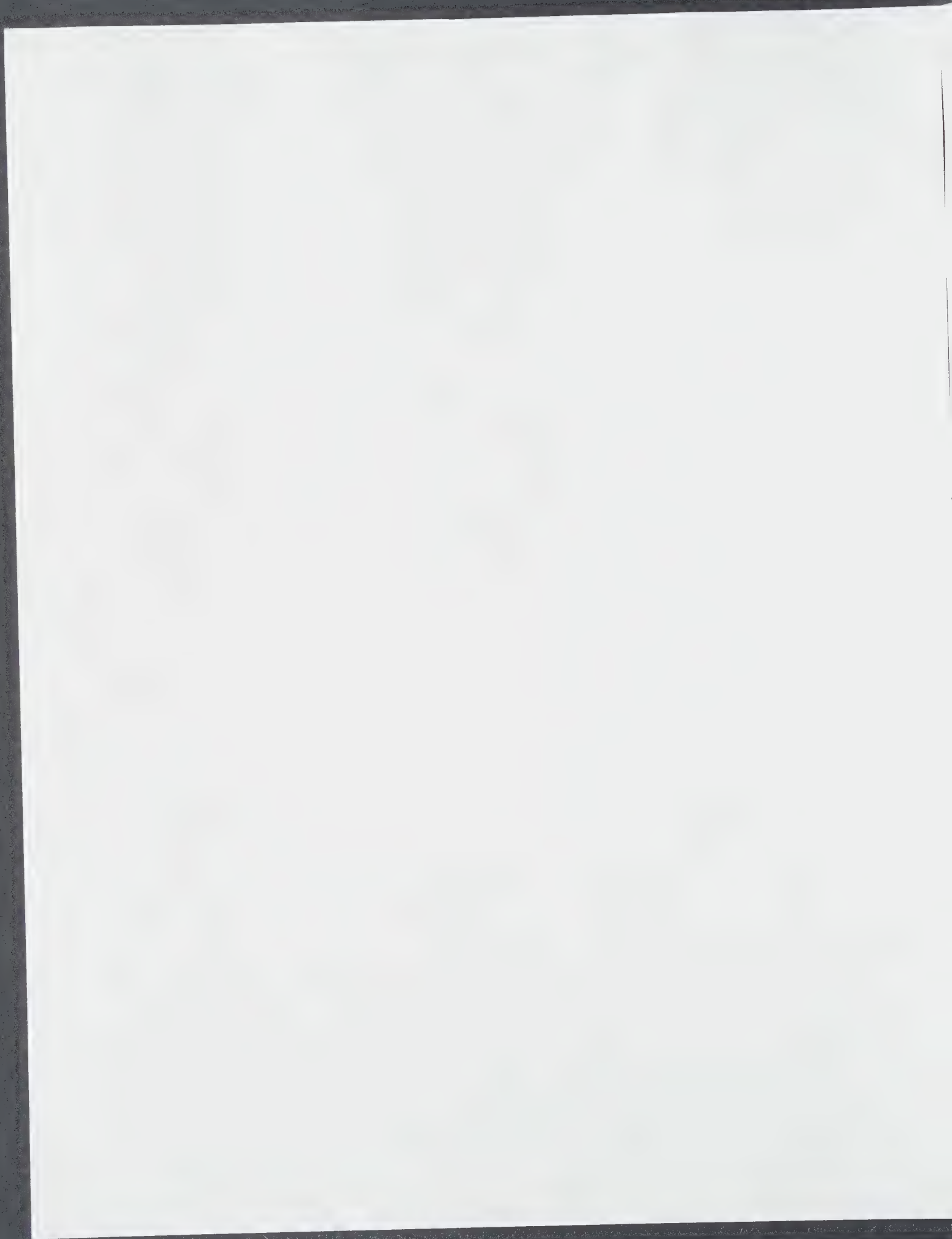
Of course, in the meantime, my calendar has filled up completely for this year. I am sorry to have to inconvenience four sections and hope they understand that the mistake is certainly not a late cancellation by me.

With best wishes, I remain,

Yours sincerely,

AB/cw
Enclosure

c: Mr. James Barrett, Penn-York Section (via fax)
Ms. Tracy Oriskovich, Central Pennsylvania Section
Mr. William J. Vail, Western Maryland Section
Mr. Fred L. King, Northern West Virginia Section (via fax)



FAX FROM

DR. ALFRED BADER'S OFFICE

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

A Chemist Helping Chemists

December 2, 1996

To: Ms. Sarah Nash
ACS Speaker Service
Fax: 202/872-4353
Re: Your fax of today regarding the Keystone Circuit

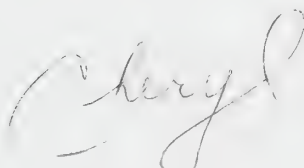
Dear Ms. Nash:

As Dr. Bader indicated in his fax to you of October 14th, his calendar of speaking engagements fills up months in advance. Hence, while he was keeping some time open in February for an ACS tour in Florida, he long ago assumed that the trip was not to be and filled in that time.

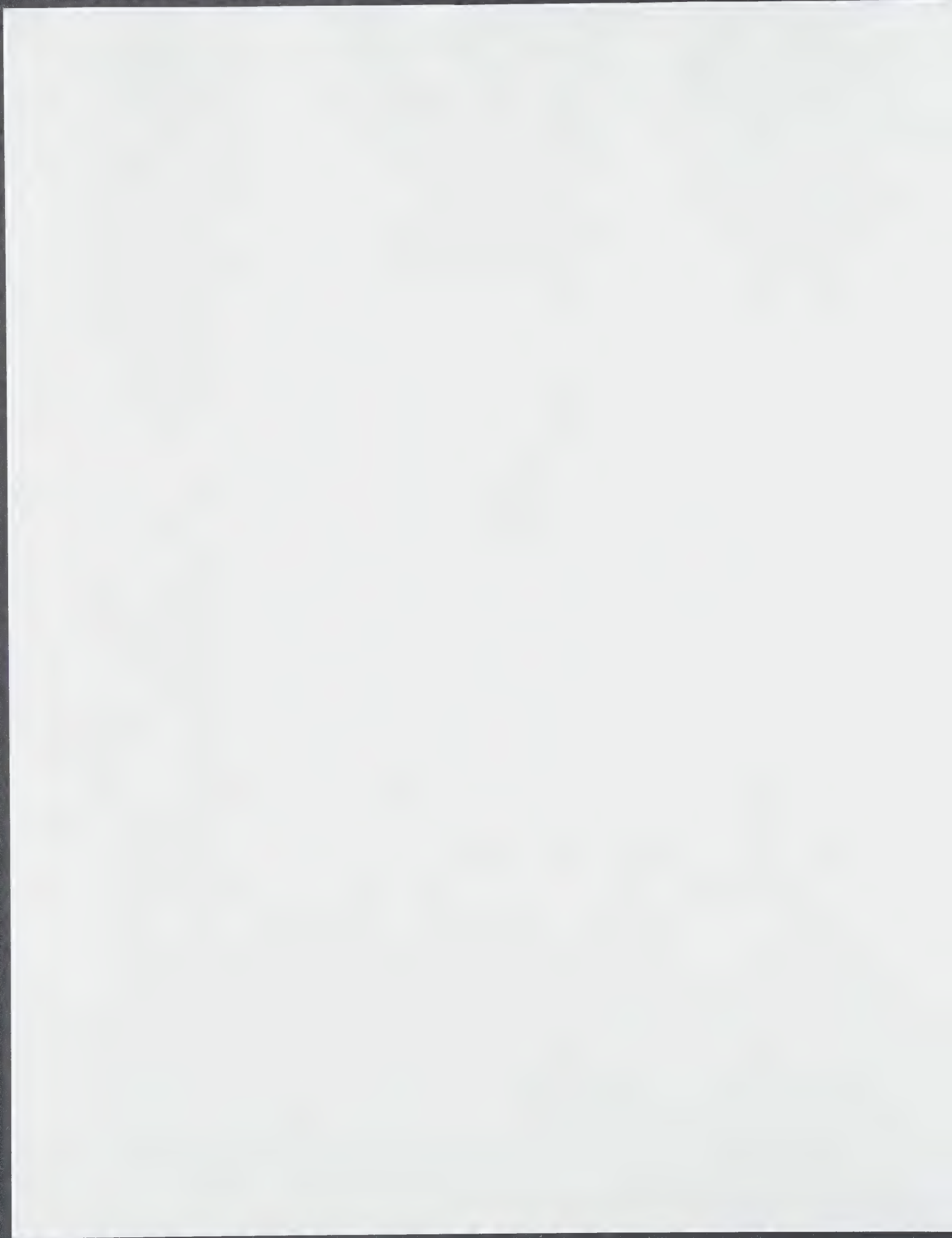
Unfortunately, his calendar for next April is also completely filled with other commitments. His calendar for September of 1997 is still relatively clear, and he would be delighted to speak on the Keystone Circuit at that time if arrangements can be made early enough.

For your files, his telephone/fax number in England is 011-44-1424-222223. If he and Mrs. Bader are out, the answering machine has a switcher for the fax; simply press your machine's "SEND" button anytime during the machine's message. He will be returning to Milwaukee on January 6, 1997; feel free to contact him in England until then if you have any other itineraries for his consideration.

Best wishes,



Cheryl Weiss
Office Manager



DR. ALFRED BADER
WHITE GABLES
2A HOLMESDALE ROAD
BEXHILL-CN-SEA
EAST SUSSEX TN39 3QE
TEL: 01424 222223

FAX Enigma

Mr David Nash

Speaker British ACS

FAX 202 070 4753

Dear Mr Nash

Thanks for your letter of November 22
forwarded from Milwaukee. I'll be in England
until January 10, then back in Milwaukee.

Unfortunatly my calendar for April is
completely booked, with the ACS meeting on
S.F. in E. mid.

As you know, I looked forward to the
Maryland Circuit, if at all possible to
include Pittsburgh, Baltimore and
State College, Pa.

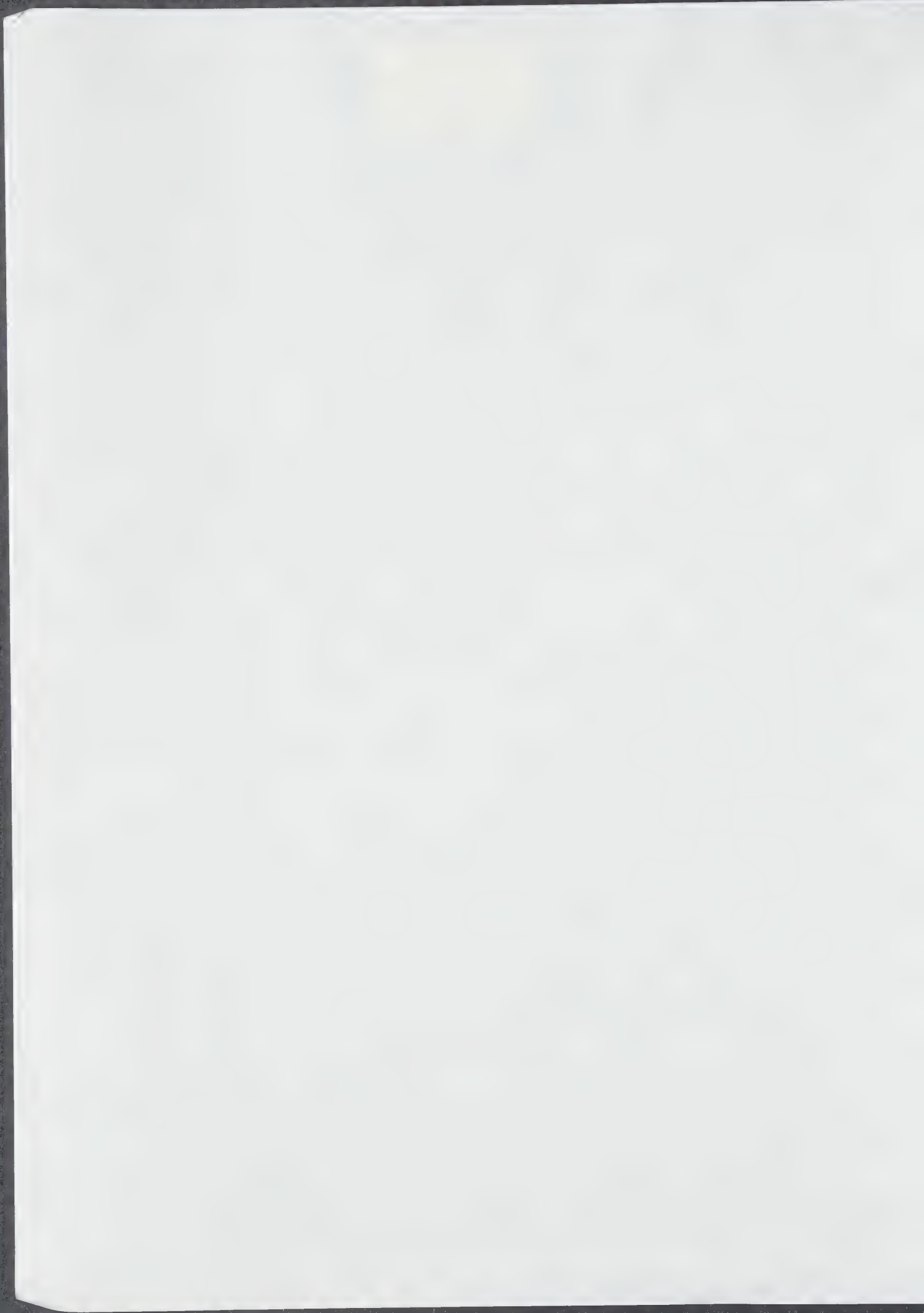
I have kept Florida / February open.
W. that out -

We so enjoyed the tour through Kansas
in September. May I have the sections'
comments, please

- Alf

With regards

Alfred Bader





American Chemical Society

Department of Membership Activities
Office of Local Section Activities

1155 SIXTEENTH STREET, N.W.
WASHINGTON, D.C. 20036

February 21, 1997

Dear Program Chairmen
Keystone Circuit Local Sections

The time has arrived to prepare for your upcoming tour speaker. This letter and the enclosed materials -- all of which should be examined *promptly* and *carefully* -- have been sent to help you in this preparation.

The speaker's mailing address and telephone number are as follows:

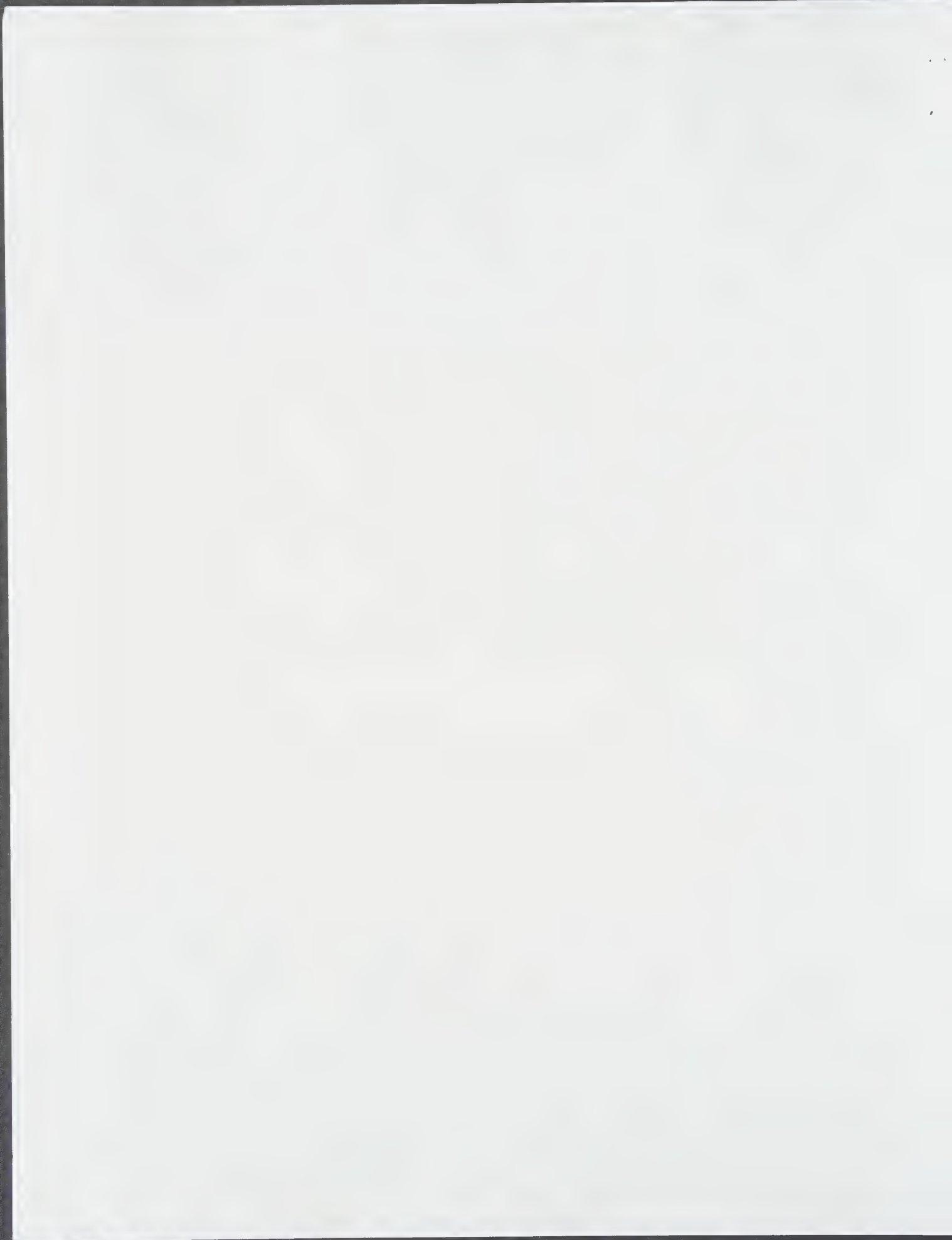
Dr. Alfred Bader
2961 N. Shepard Avenue
Milwaukee, WI 53211
(414) 277-0730

The speaker's biography and topic abstracts have been enclosed to aid you in generating publicity locally. If requested by your section, a photograph of the speaker, which is to be returned to the Speaker Service after use, has been supplied as well.

Make reservations now for your coming guest's lodging, advising the local hotel or motel to send confirmation of the arrangements directly to the speaker. Please make these arrangements with cost control in mind; your efforts in this respect will enable the Speaker Service to operate longer at the current low cost to each section. Do NOT pay the cost of the hotel accommodations or any of the speaker's other expenses at this time; the Speaker Service will arrange for the prompt reimbursement of the speaker's traveling costs and the billing of your sections at the conclusion of the tour. Do, however, provide the speaker's meal prior to or following the lecture and, if requested, local transportation to the meeting itself.

To allow the speaker to make travel plans as efficiently as possible, contact him or her in the next few days, settling all necessary scheduling matters. As the enclosed copies of our letter and the local contacts sheet indicate, the speaker will be expecting your communications soon. Telephone the speaker to discuss all local logistics, and follow up on this conversation with a confirmation letter; send a copy of that letter to this office for our files. The main point of information to be addressed -- in detail -- in your oral and written negotiations are:

- Verification of the address and telephone number of the local contact
- Exact time, location, and format of the section meeting and ancillary activities
- Travel directions and related tips
- Timetable of procedures and events for the meeting date for the meeting date from the time of the speaker's local arrival
- Amount of time to be allotted for the presentation, the question and answer period
- Anticipated composition of the audience (industrial chemists, academics, students, spouses and families, etc.)
- Any special factors to be considered in the preparation of the talk



Program Chairmen
Keystone Circuit Local Sections
Page 2

Again, it will be to the long-term benefit of your section and the others that participate in the tour speaker program to contact your speaker as soon as possible, so that the speaker can make travel plans early, take advantage of any savings to be had in that way, and contribute to the overall cost control of the Speaker Service.

After the lecture presentation to your section, complete and return our evaluation form, a copy of which is enclosed. It is important that your comments be specific and legible, because the speakers rely on your feedback for critiquing and improving their performance. In addition, the Speaker Service uses your responses to monitor and safeguard the quality of the circuit lecture program.

Thank you for your cooperation. If you need any added assistance, contact me at 202/872-4612.

Sincerely,

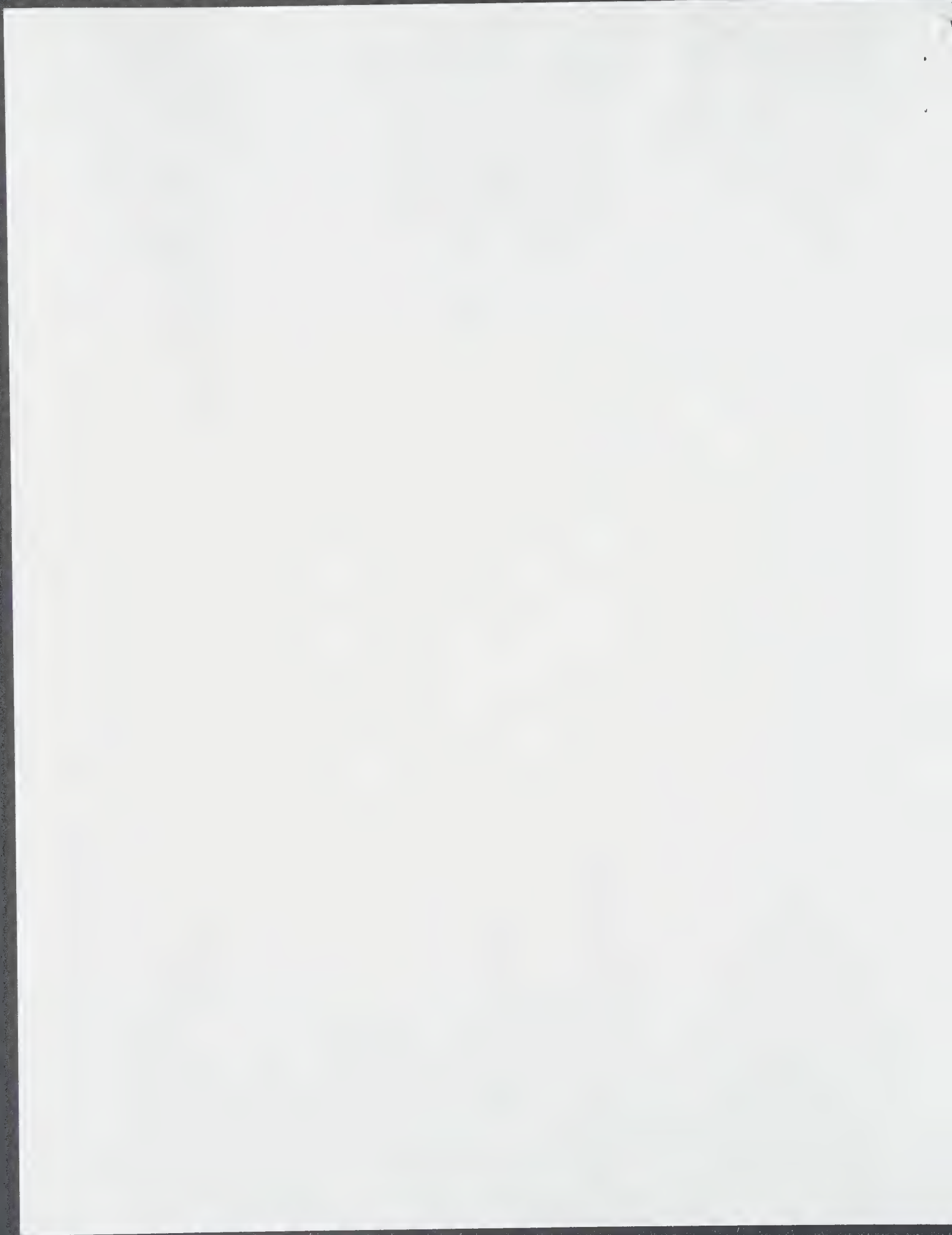


Sarah Nash
Local Section Speaker Service

SN/jah

Enclosures

cc: Chairmen, Keystone Circuit Local Sections





American Chemical Society

Department of Membership Activities
Sarah Nash

1155 SIXTEENTH STREET, N.W.
WASHINGTON, D.C. 20036
Phone (202) 872-4612
Fax (202) 872-4353
Email: s_nash@acs.org

March 15, 1996

Dear Colleagues:

As the new coordinator of the ACS Speaker Service, I want to thank you for your support and patience in adjusting to the change in staff and a somewhat harried start. Many of you made gracious allowances during the transition period, and they were much appreciated. The year is now back on schedule and in full swing, with planning for 1997 already at hand.

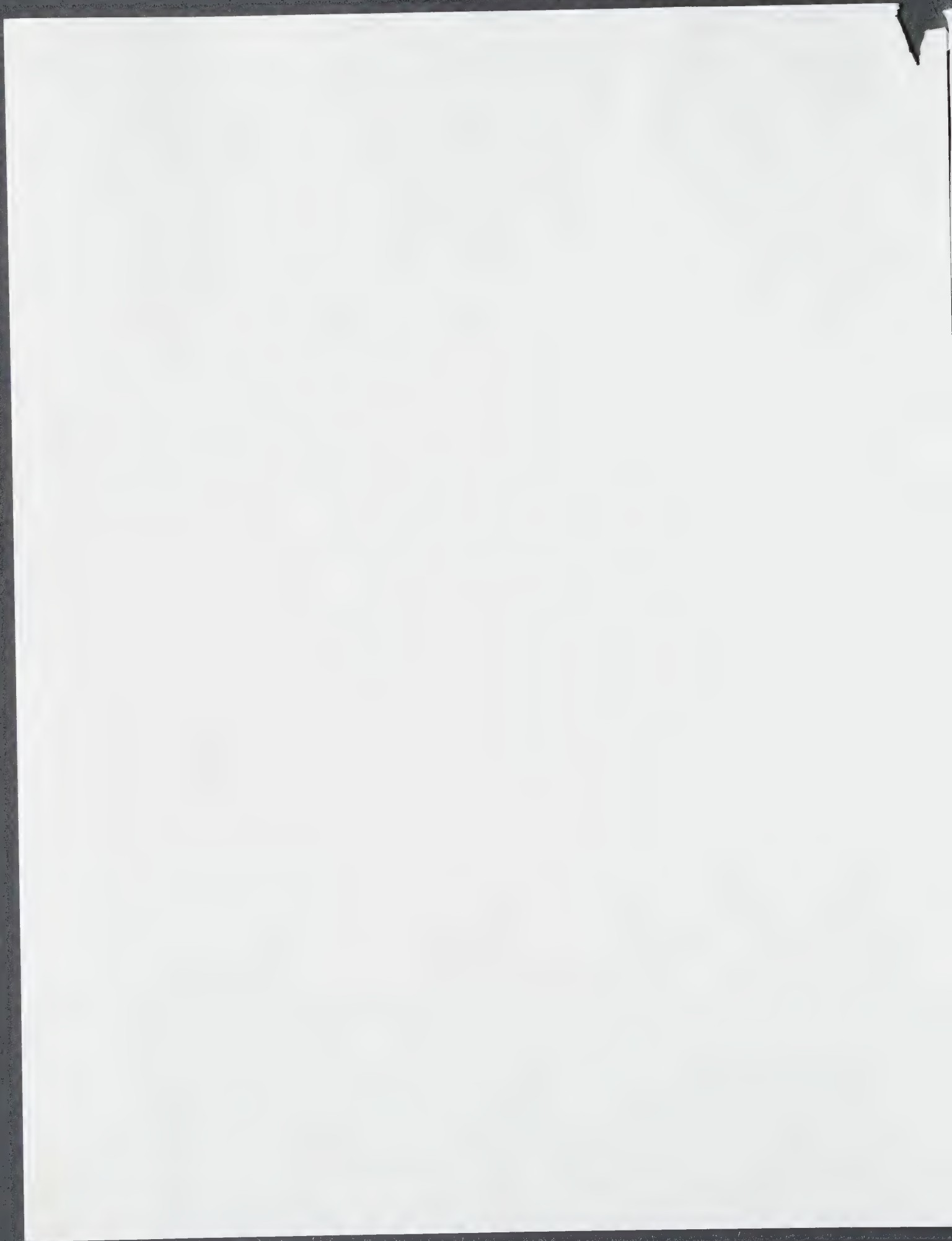
Planning for the 1997-1998 directory has also begun. I am requesting that you review the titles of your talks, and the content of your abstracts and biographies to see if they are current. We recently mailed a survey to all local sections asking specifically about the Speaker Service. Local sections are consistently indicating "titles and abstracts accurately reflect subject matter" as one of their most important characteristics for speaker selection. **Thus I need you to pay particular attention to these items, even renaming a talk can ignite new interest among local sections, and help us to keep you an active participant in the program.**

I want to encourage your feedback about your experiences in the Speaker Service program. Enclosed please find a postage paid envelope so you can forward suggestions for improvement, areas of interest or general comments to our attention. As always, please feel free to contact me by phone, fax or email if I can be of assistance.

Warm regards,

A handwritten signature in cursive script that reads "Sarah Nash".

Sarah Nash
ACS Speaker Service



FAX FROM



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

A Chemist Helping Chemists

August 15, 1996

Page 1 of 1

To: Ms. Sarah Nash
ACS Speaker Service
Fax: 202/872-4353

Dear Ms. Nash:

Thank you so much for your quick response to my fax of this morning.

When you book the Florida circuit, please try and fit it into one week. When four talks are scheduled for a Wednesday, Thursday and then the following Monday and Tuesday, such as is the case in Kansas next month, the trip gets considerably more expensive because of the stay over the weekend.

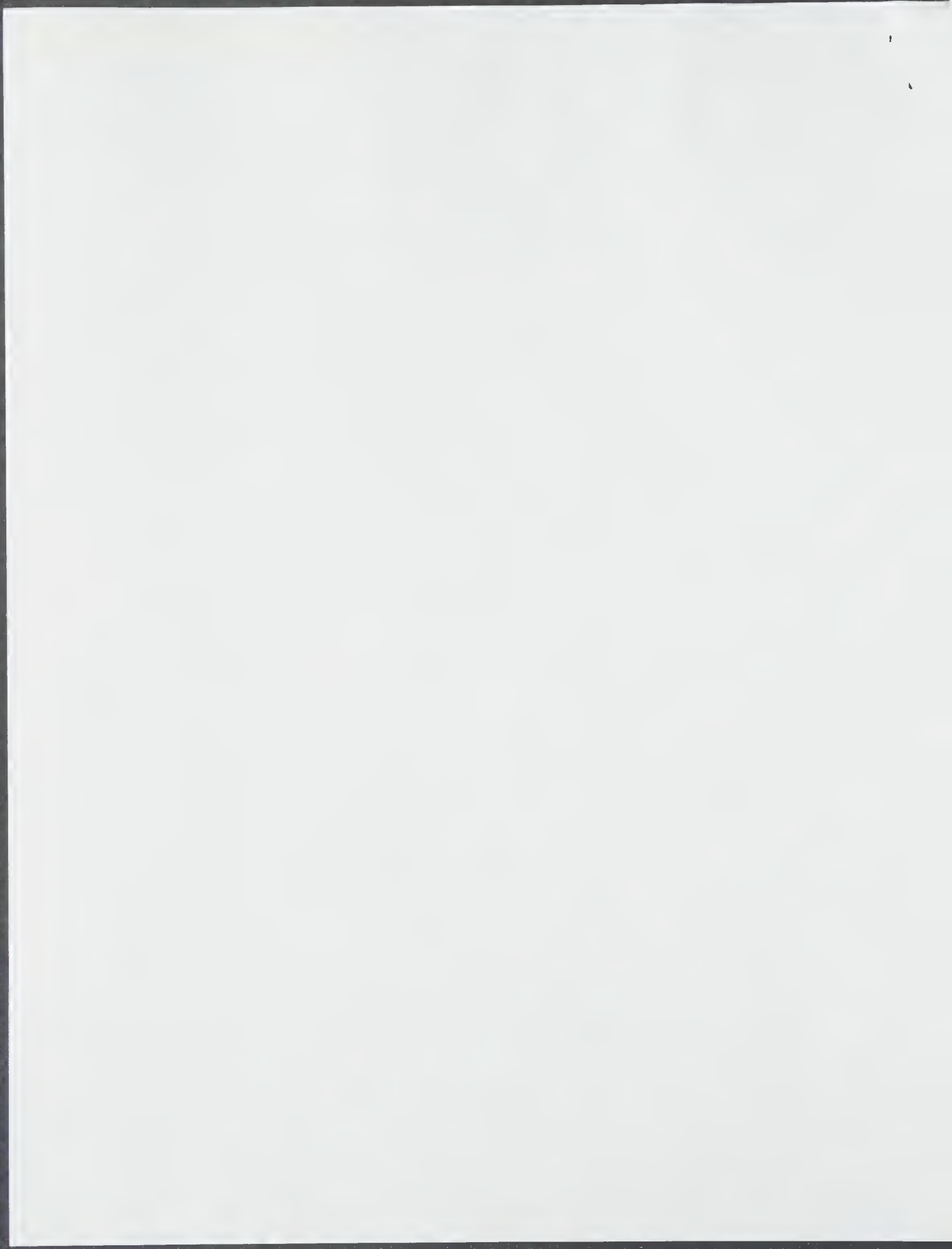
I do plan to be at the San Francisco ACS meeting next April, but the week beginning on Monday, April 28th would be possible for the Keystone circuit. If that were possible, I would like to begin either in Pittsburgh or in Baltimore and end up in the other city. Thus, one possibility would be Pittsburgh, State College, York and Baltimore or the other way around. We would fly to either city and then back from the other. Of course, I would come with my wife, but she would pay for her airfare.

If that should not be possible, could September be considered for the Keystone circuit?

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

Yours sincerely,

AB/cw



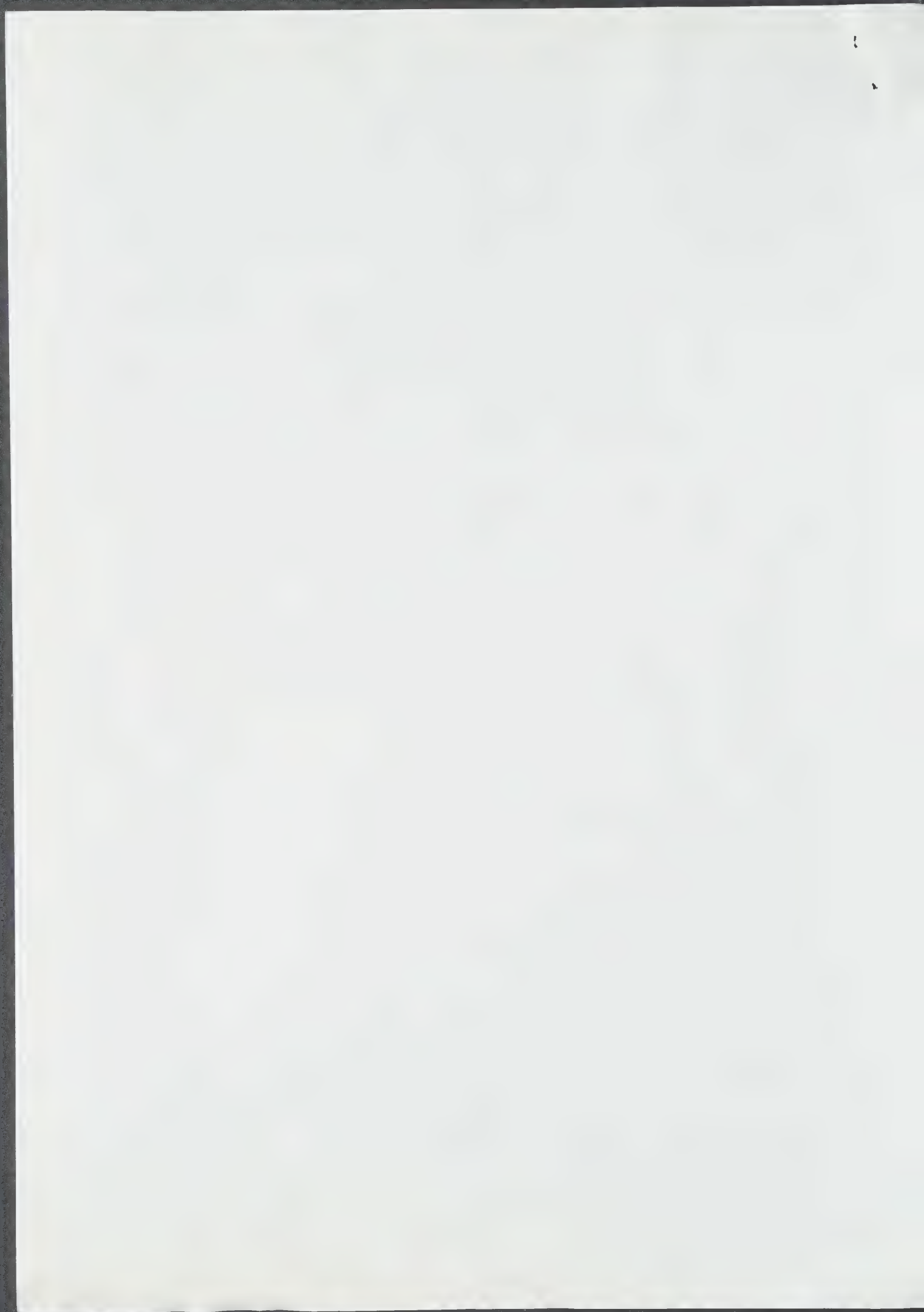
Tax Cover Sheet

This cover sheet is to be filled out by the taxpayer or preparer and attached to the tax return. It provides a summary of the information reported on the return and is used by the IRS to identify the return and to determine if any additional information is needed.

Message

This cover sheet is to be filled out by the taxpayer or preparer and attached to the tax return. It provides a summary of the information reported on the return and is used by the IRS to identify the return and to determine if any additional information is needed.

- (2) (4)
 - (1) (3)



FAX FROM



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

A Chemist Helping Chemists

August 15, 1996

Page 1 of 3

To: Ms. Sarah Nash
ACS Speaker Service
Fax: 202/872-4353

Dear Ms. Nash:

Thank you for your fax of today. I would be happy to accept the Peninsula circuit, including Lakeland, Orlando, South Florida and Tampa, but excluding Puerto Rico for next February.

Also, Marietta College has invited me to speak there on Tuesday and Wednesday, March 25-26, 1997, and Marietta College will pay our travel expenses. Thus, I could easily speak to the Marietta Section on Thursday, March 27th.

I enclose a copy of my letter to you of April 11th repeating my request made several times previously to Ms. Libengood that you consider me for the Pittsburgh-Penn State-Baltimore circuit. I have so many friends in that area and would very much like to ask you to discuss this with the local chairmen. September of 1997 would be good for us.

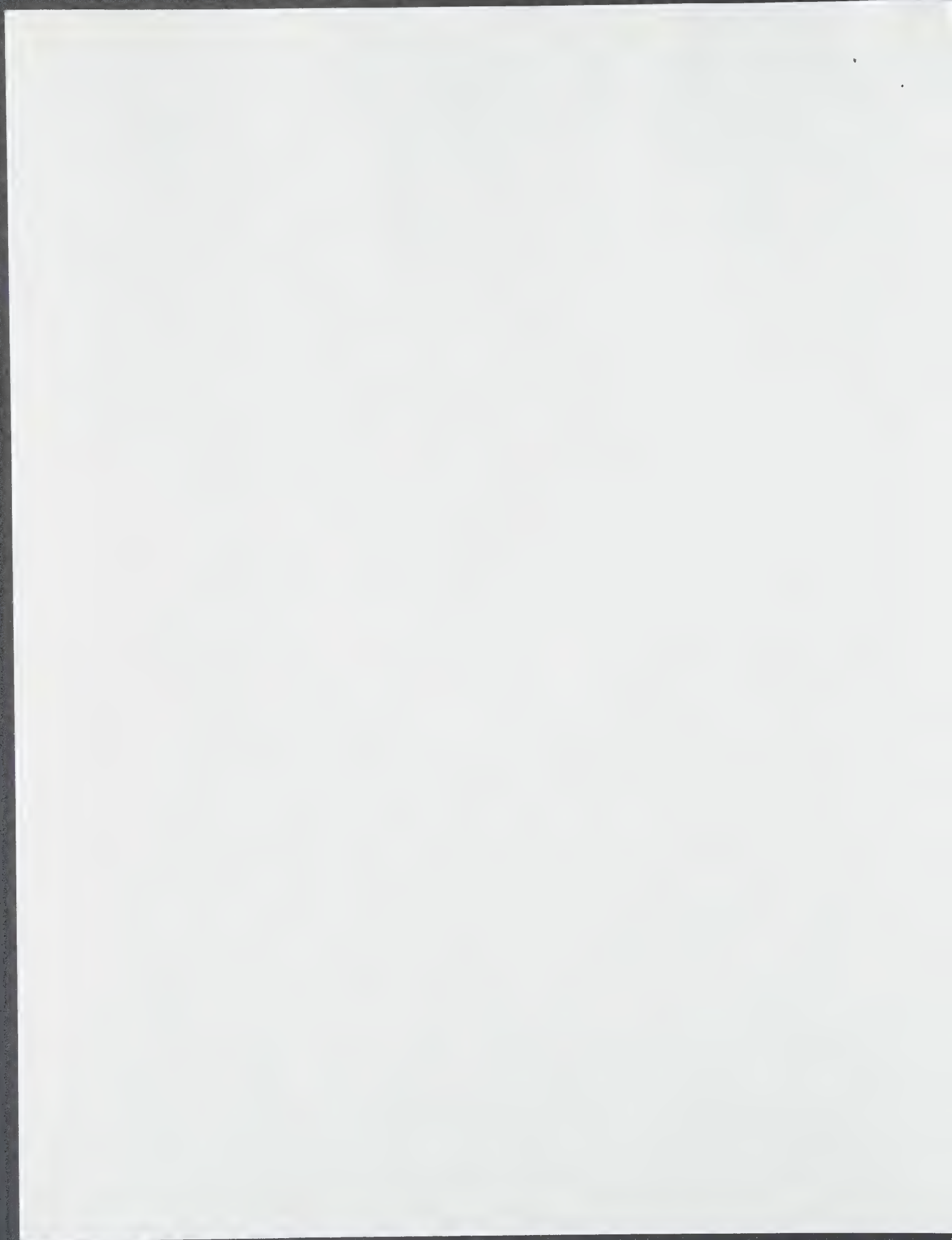
I also enclose a copy of my letter to you of August 2nd regarding our trip to Kansas, which is just less than three weeks away. Oddly enough, I have heard only from Dr. Bednekoff in Joplin and Dr. Parente in Kansas City. I guess many people are on holidays in August, and the disadvantage of speaking right after Labor Day is that communication is delayed.

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

Yours sincerely,

AB/cw

Enclosures





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

A Chemist Helping Chemists

April 11, 1996

Ms. Sarah Nash
ACS Speaker Service
American Chemical Society
1155 Sixteenth Street N.W.
Washington, DC 20036

Dear Ms. Nash:

Thank you for your letter of March 15th.

I am sorry that I was not able to join you at the ACS meeting in New Orleans because I had been invited to lecture at Arizona State University that week.

I very much look forward to my lecture tour in Kansas this coming September.

Next September, I do hope that you will be able to book me into the Pittsburgh/Penn State University/Baltimore circuit.

I think that the five most interesting talks for chemists will be Talks #1, #2, #3 and #5 on the enclosed menu. As you know, I always prefer giving two talks, and some local museums might like to listen to Talks #4 and #7.

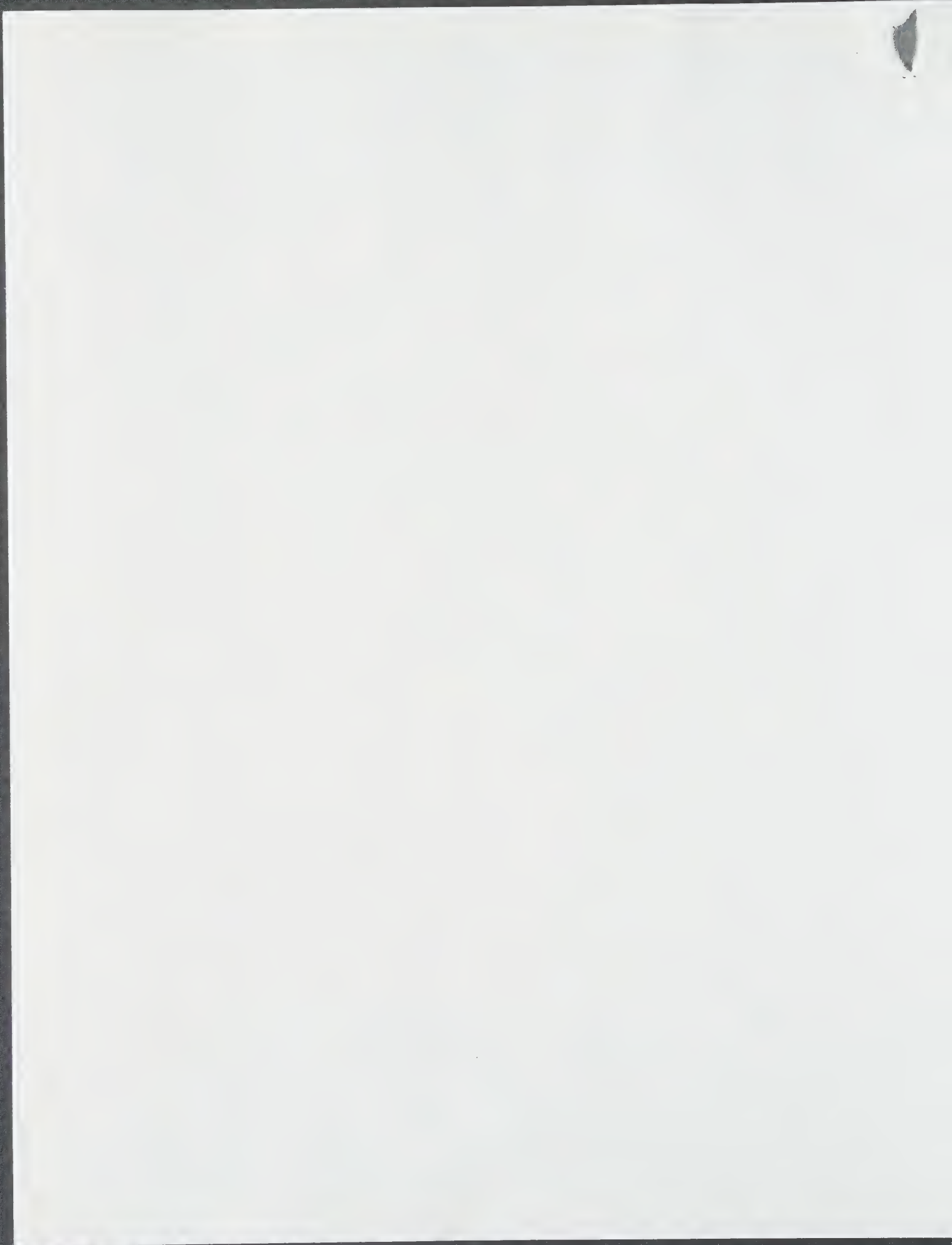
I think that you have abstracts of all of these except #3, and that abstract is enclosed.

With all good wishes, I remain,

Yours sincerely,

AB/cw

Enclosures





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

A Chemist Helping Chemists

August 2, 1996

Ms. Sarah Nash
ACS Speaker Service
American Chemical Society
1155 Sixteenth Street N.W.
Washington, DC 20036

Dear Ms. Nash:

Enclosed are my letters to the local chairmen in the Osage Circuit.

The itinerary is very odd, because I am to give lectures on Wednesday and Thursday and then on Monday and Tuesday. That leaves Friday, Saturday and Sunday, certainly not long enough to return home to Milwaukee and then to come back. Sadly, that will, of course, add to the cost of the trip.

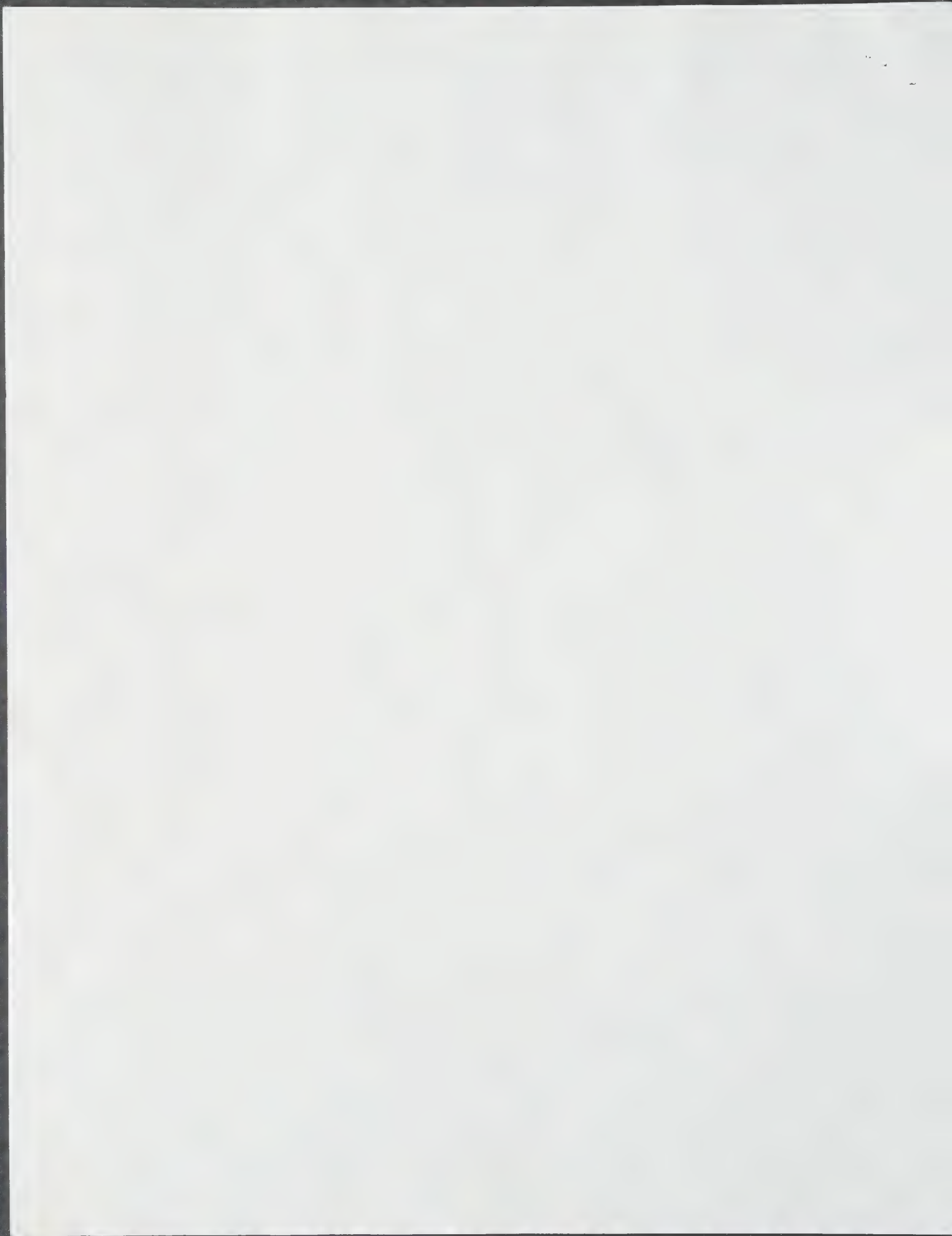
We plan to drive our own car because that is considerably less expensive than flying and then renting a car.

With all good wishes, I remain,

Yours sincerely,

AB/cw

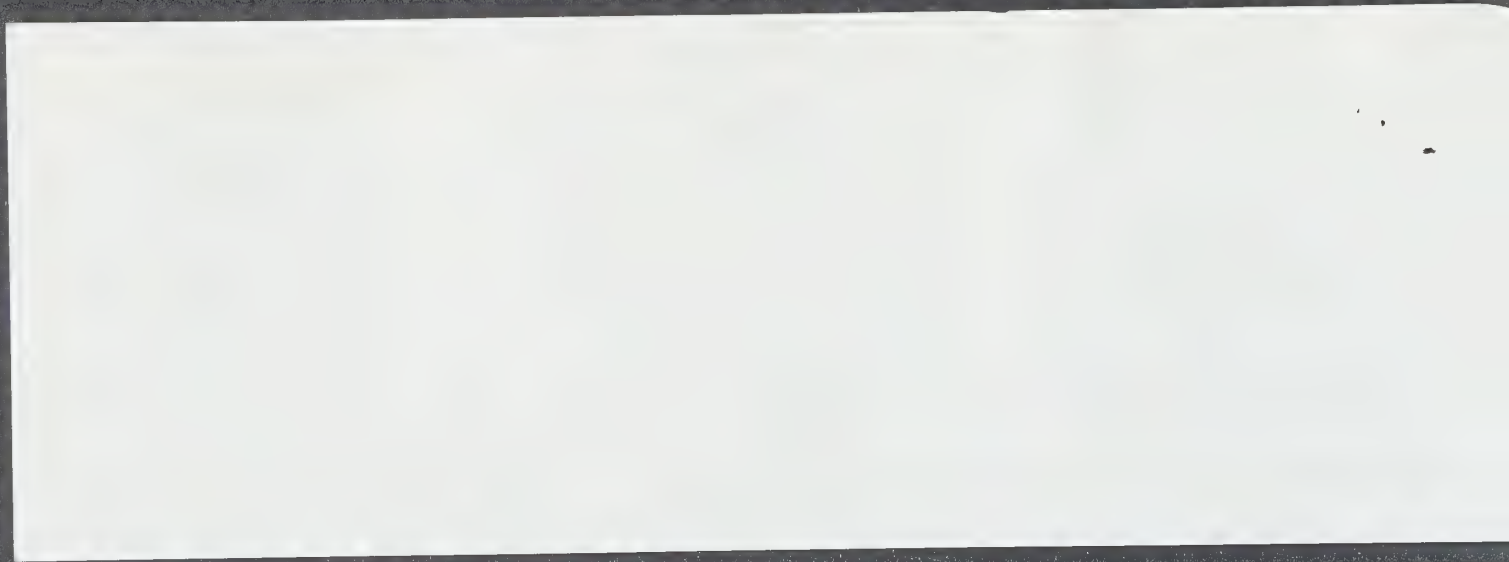
Enclosures



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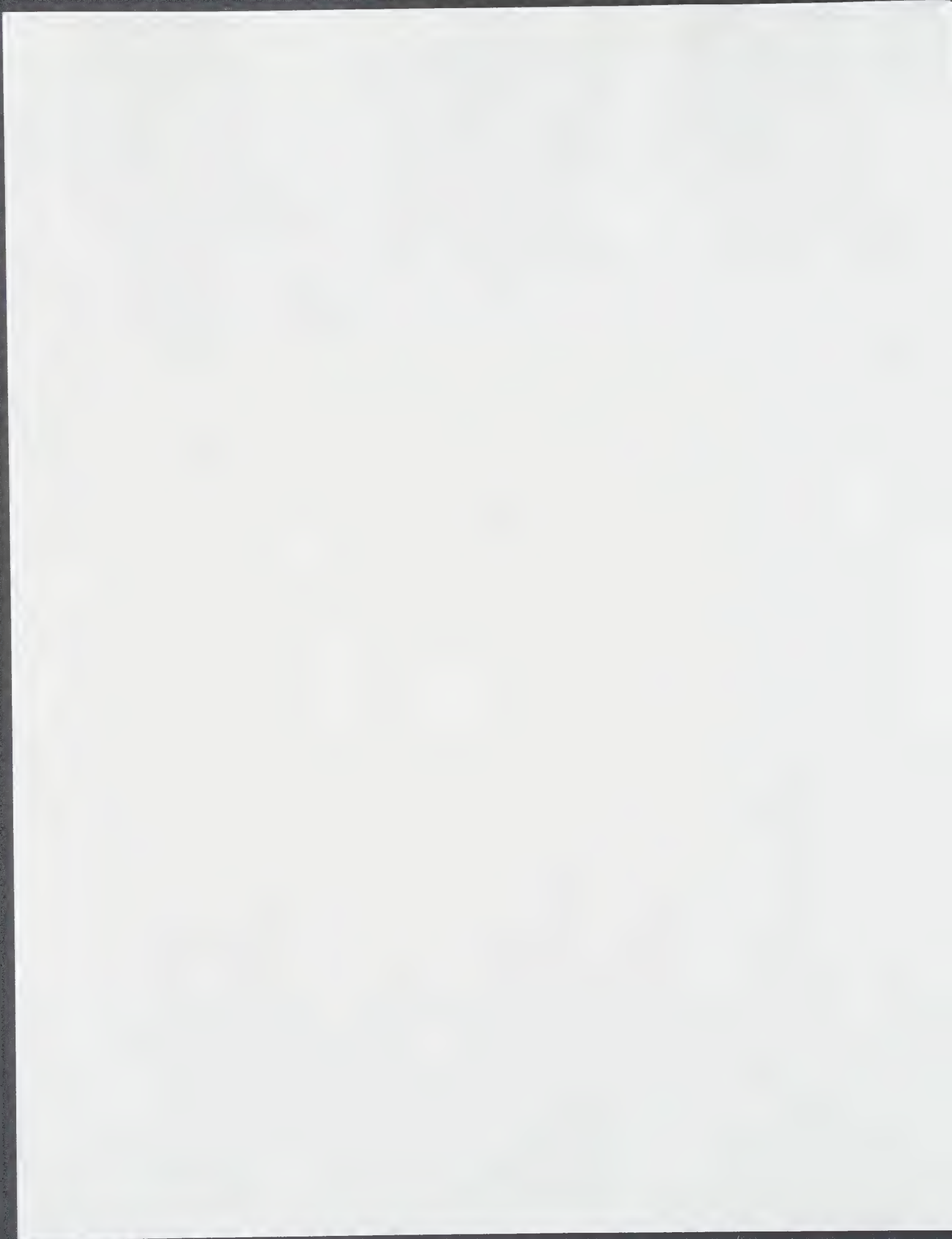
Thu Jun 13 18:05:08 EDT 1996

AMERICAN CHEMICAL SOCIETY
DEMOGRAPHICS REPORT
Penn-York

ACS02051996 Report 01

AGE OF MEMBER	JOURNALS TAKEN	GEOGRAPHIC AREA	MEMBERSHIP STATUS
11-20	90 81.1	EUROPE	0 0.0 NATIONAL AFFILIATE
21-25	17 15.3	UK	0 0.0 STUDENT AFFILIATE
26-30	13 11.7	2 JAPAN	0 0.0 MEMBER
31-35	9 8.1	3 MEXICO	0 0.0 ASSOCIATE MEMBER
36-40	10 9.0	4 CANADA	0 0.0 STUDENT MEMBER
41-45	9 8.1	5 DOMESTIC	111 100.0 STUDENT ASSOCIATE MEMBER
46-50	13 11.7	6 OTHER	0 0.0 EMERITUS MEMBER
51-55	8 7.2	7 N/A	0 0.0 RETIRED MEMBER
56-56	0 0.0	8 TOTAL	111 100.0 N/A
57-57	0 0.0	9 TOTAL	111 100.0
58-58	0 0.0	10 MAJOR	***** PRIMARY FUNCTION *****
59-59	2 1.8	11 CHEMISTRY	78 70.3 Graduate Student
60-60	1 0.9	12 CHEMICAL ENGINEERING	13 11.7 Postdoctoral Research
61-61	0 0.0	13 TOTAL	20 18.0 Research Professor
62-62	2 1.8	14 N/A	0 0.0 Secondary Principal
63-63	0 0.0	15 CHEMISTRY DEGREE	111 100.0 Secondary Teacher
64-64	1 0.9	16 DOCTORS	1 0.9 Undergraduate Student
65-65	2 1.8	17 MASTERS	16 14.4 **** PRIMARY FIELD IN CHEMISTRY ****
66-66	2 1.8	18 BACHELORS	60 54.1 Agriculture & Food
67-67	2 1.8	19 ASSOCIATES	1 0.9 Univ/College Teacher
68-68	0 0.0	20 OTHER	11 9.9 Academic Other
69-69	1 0.9	21 N/A	1 0.9 IND Applied Research
70-70	1 0.9	22 TOTAL	6 5.4 Biotechnology
71+	18 16.2	23 Chem Education	0 0.0 IND Basic Research
N/A	13 11.7	24 ** NONCHEMISTRY DEGREE **	7 6.3 IND Corporate Management
TOTAL	111 100.0	25 DOCTORS	1 0.9 IND Engineering Design
		26 MASTERS	0 0.0 IND Maintenance
		27 BACHELORS	0 0.0 IND Market Development
		28 OTHER	0 0.0 IND Marketing/Product Mgmt
		29 N/A	0 0.0 IND Production
		30 TOTAL	4 3.6 IND Process Control
		31 DOCTORS	9 8.1 IND Process R&D
		32 ASSOCIATES	2 1.8 IND Product R&D
		33 OTHER	11 9.9 IND Purchasing
		34 N/A	9 8.1 IND Quality Control
		35 TOTAL	6 5.4 IND Sales/Advertising
		36 DOCTORS	2 1.8 IND Technical Management
		37 ASSOCIATES	3 2.7 IND Technical Service
		38 OTHER	2 1.8 Industrial Other
		39 N/A	1 0.9 GOV Basic/Applied Research
		40 TOTAL	6 5.4 GOV Engineering Design
		41 DOCTORS	1 0.9 GOV Granting Agency
		42 ASSOCIATES	3 2.7 GOV Military Service
		43 OTHER	0 0.0
		44 N/A	15 13.5 GOV Process R&D
		45 TOTAL	2 1.8 GOV Product R&D
		46 DOCTORS	0 0.0 GOV Regulating Functions
		47 ASSOCIATES	10 9.0 Government Other
		48 OTHER	5 4.5 N/A
		49 N/A	21 18.9 Labor Union
		50 TOTAL	111 100.0 Professional Assn Mgmt
		51 DOCTORS	6 5.4 ***** ETHNIC BACKGROUND *****
		52 ASSOCIATES	15 13.5 AFRICAN AMER (BLACK)
		53 OTHER	3 2.7 HISPANIC
		54 N/A	7 6.3 NATIVE AMER (& ALASKAN)
		55 TOTAL	2 1.8 ASIAN (& PAC ISLANDERS)
		56 DOCTORS	48 43.2 WHITE (CAUCASIAN)
		57 ASSOCIATES	1 0.9 OTHER
		58 OTHER	61 55.0 N/A
		59 N/A	40 36.0 TOTAL
		60 TOTAL	111 100.0

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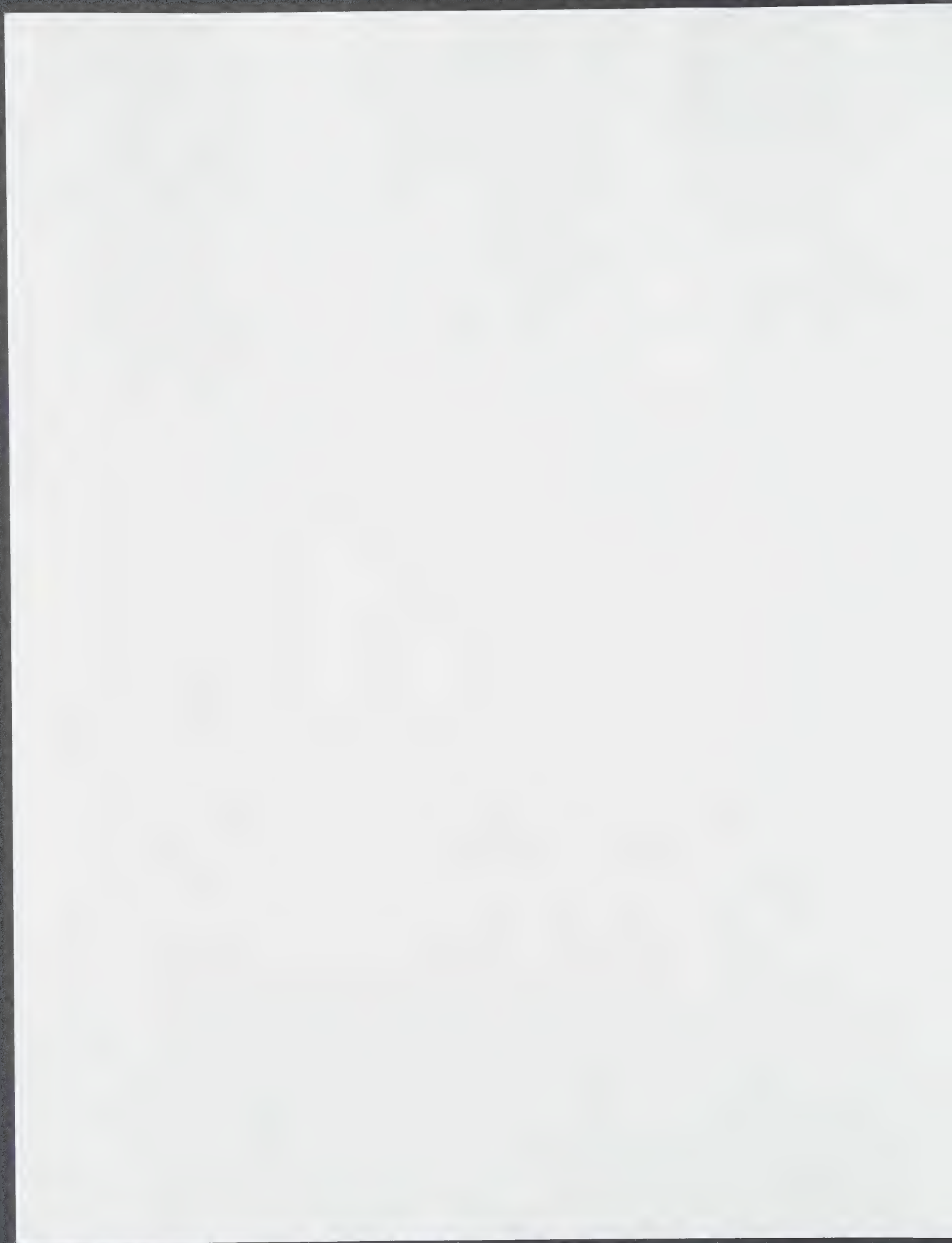
Thu Jun 13 18:04:54 EDT 1996

AMERICAN CHEMICAL SOCIETY
DEMOGRAPHICS REPORT
Central Pennsylvania

ACS02051996 Report 01

AGE OF MEMBER	JOURNALS TAKEN	GEOGRAPHIC AREA	MEMBERSHIP STATUS
11-20	407 75.0	EUROPE	0 0.0 NATIONAL AFFILIATE
21-25	93 17.1	UK	0 0.0 STUDENT AFFILIATE
26-30	19 3.5	JAPAN	0 0.0 MEMBER
31-35	78 14.4	MEXICO	0 0.0 ASSOCIATE MEMBER
36-40	62 11.4	CANADA	0 0.0 STUDENT MEMBER
41-45	42 7.7	DOMESTIC	543 100.0 STUDENT ASSOCIATE MEMBER
46-50	38 7.0	OTHER	0 0.0 EMERITUS MEMBER
51-55	22 4.1	N/A	0 0.0 RETIRED MEMBER
56-56	1 0.2	TOTAL	543 100.0 N/A
57-57	5 0.9		TOTAL
58-58	5 0.9	MAJOR	***** PRIMARY FUNCTION *****
59-59	6 1.1	CHEMISTRY	403 74.2 Graduate Student
60-60	8 1.5	CHEMICAL ENGINEERING	39 7.2 Postdoctoral Research
61-61	2 0.4	TOTAL	543 100.0 OTHER
62-62	4 0.7	N/A	99 18.2 Research Professor
63-63	1 0.2	CHEMISTRY DEGREE	2 0.4 Secondary Principal
64-64	6 1.1	DOCTORS	543 100.0 Secondary Teacher
65-65	1 0.2	MASTERS	1 0.2 Undergraduate Student
66-66	7 1.3	BACHELORS	201 37.0
67-67	0 0.0	ASSOCIATES	60 11.0 PRIMARY FIELD IN CHEMISTRY
68-68	4 0.7	OTHER	4 0.7 Agriculture & Food
69-69	5 0.9	N/A	58 10.7 Univ/College Teacher
70-70	2 0.4	TOTAL	53 9.8 Academic Other
71+	50 9.2		37 6.8 IND Applied Research
N/A	41 7.6	NONCHEMISTRY DEGREE	8 1.5 IND Basic Research
TOTAL	543 100.0	DOCTORS	14 2.6 IND Corporate Management
		MASTERS	1 0.2 IND Engineering Design
		BACHELORS	1 0.2 IND Maintenance
		ASSOCIATES	15 2.8 IND Market Development
		OTHER	11 2.0 IND Marketing/Product Mgmt
		N/A	4 0.7 IND Production
		TOTAL	8 1.5 IND Process Control
			27 5.0 IND Process R&D
			1 0.2 IND Product R&D
			10 1.8 IND Purchasing
			0 0.0 IND Quality Control
			11 2.0 IND Sales/Advertising
			12 2.2 IND Technical Management
			11 2.0 IND Technical Service
			0 0.0 Industrial Other
			0 0.0 GOV Basic/Applied Research
			0 0.0 GOV Engineering Design
			0 0.0 GOV Granting Agency
			0 0.0 GOV Military Service
			0 0.0 GOV Process R&D
			0 0.0 GOV Product R&D
			0 0.0 GOV Regulating Functions
			1 0.2 Government Other
			0 0.0 Labor Union
			0 0.0 Professional Assn Mgmt
			0 0.0 Scientific Society Mgmt
			2 0.4 Consultants
			0 0.0 Consulting Chemists
			1 0.2 Consulting Engineers
			0 0.0 Clinical Laboratory
			0 0.0 Independent Laboratory
			0 0.0 Prof Orgs/Consult Other
			1 0.2 Information Specialist
			0 0.0 Patent Attorney
			207 38.1
			543 100.0

End of report for data7split/reombr.NONAFF.LSDV.L311



AMERICAN CHEMICAL SOCIETY

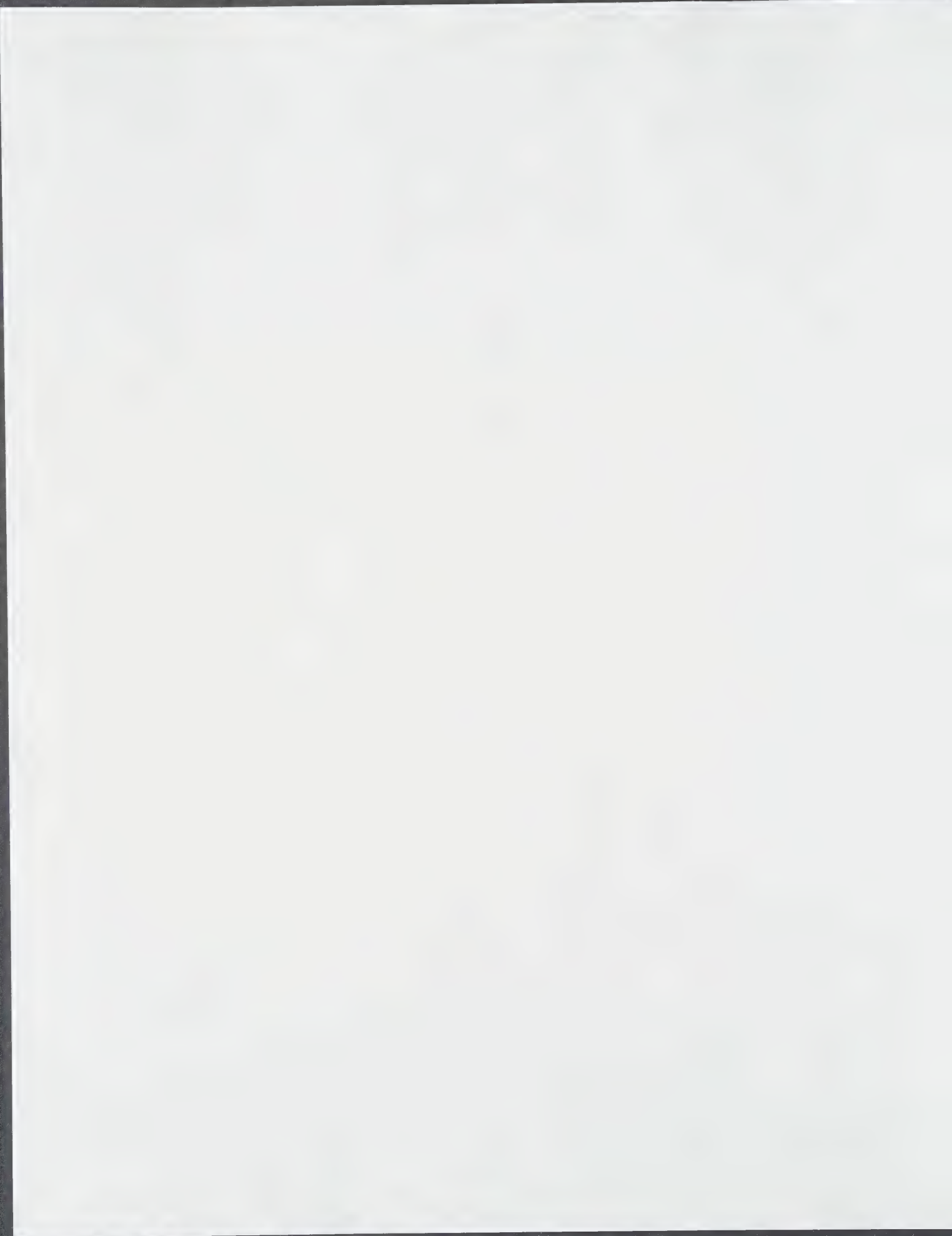
DEMOGRAPHICS REPORT

ACS02051996 Report 01

Thu Jun 13 17:52:42 EDT 1996

Western Maryland

AGE OF MEMBER	JOURNALS TAKEN	GEOGRAPHIC AREA	MEMBERSHIP STATUS
11-20	0 0.0 0	65 87.8 EUROPE	0 0.0 NATIONAL AFFILIATE
21-25	5 6.8 1	6 8.1 UK	0 0.0 STUDENT AFFILIATE
26-30	1 1.4 2	2 2.7 JAPAN	0 0.0 MEMBER
31-35	0 0.0 3	0 0.0 MEXICO	43 58.1
36-40	6 8.1 4	1 1.4 CANADA	0 0.0 ASSOCIATE MEMBER
41-45	11 14.9 5	0 0.0 DOMESTIC	0 0.0 STUDENT MEMBER
46-50	2 2.7 6	0 0.0 OTHER	74 100.0 STUDENT ASSOCIATE MEMBER
51-55	8 10.8 7	0 0.0 N/A	0 0.0 EMERITUS MEMBER
56-56	0 0.0 8	0 0.0 TOTAL	16 21.6
57-57	2 2.7 9	0 0.0	0 0.0 RETIRED MEMBER
58-58	1 1.4 10	0 0.0	5 6.8
59-59	0 0.0 11	0 0.0	0 0.0
60-60	2 2.7 XX	0 0.0	74 100.0
61-61	3 4.1 TOTAL	74 100.0	N/A
62-62	2 2.7	0 0.0	TOTAL
63-63	3 4.1	0 0.0	74 100.0
64-64	0 0.0	0 0.0	74 100.0
65-65	0 0.0	0 0.0	74 100.0
66-66	1 1.4	0 0.0	74 100.0
67-67	1 1.4	0 0.0	74 100.0
68-68	0 0.0	0 0.0	74 100.0
69-69	2 2.7	0 0.0	74 100.0
70-70	1 1.4	0 0.0	74 100.0
71+	19 25.7	0 0.0	74 100.0
N/A	4 5.4	0 0.0	74 100.0
TOTAL	74 100.0	74 100.0	74 100.0
***** MAJOR ***** PRIMARY FUNCTION *****			
		53 71.6	Graduate Student
		3 4.1	Postdoctoral Research
		18 24.3	Research Professor
		0 0.0	Secondary Principal
		74 100.0	Secondary Teacher
			Undergraduate Student
			Univ Administrator
		1 1.4	Univ/College Teacher
		7 9.5	Academic Other
		3 4.1	IND Applied Research
		4 5.4	IND Basic Research
		4 5.4	IND Corporate Management
		0 0.0	IND Engineering Design
		1 1.4	IND Maintenance
		0 0.0	IND Market Development
		0 0.0	IND Marketing/Product Mgmt
		0 0.0	IND Production
		1 1.4	IND Process Control
		6 8.1	IND Process R&D
		0 0.0	IND Product R&D
		0 0.0	IND Purchasing
		3 4.1	IND Quality Control
		4 5.4	IND Sales/Advertising
		1 1.4	IND Technical Management
		1 1.4	IND Technical Service
		0 0.0	Industrial Other
		2 2.7	GOV Basic/Applied Research
		2 2.7	GOV Engineering Design
		0 0.0	GOV Granting Agency
		1 1.4	GOV Military Service
		0 0.0	GOV Process R&D
		0 0.0	GOV Product R&D
		1 1.4	GOV Regulating Functions
		8 10.8	Government Other
		15 20.3	Labor Union
		74 100.0	Professional Assn Mgmt
			Scientific Society Mgmt
		4 5.4	***** ETHNIC BACKGROUND *****
		3 4.1	Consultants
		0 0.0	Consulting Chemists
		0 0.0	Consulting Engineers
		0 0.0	Clinical Laboratory
		0 0.0	Independent Laboratory
		28 37.8	Prof Orgs/Consult Other
		0 0.0	Information Specialist
		46 62.2	Patent Attorney
		74 100.0	N/A
			TOTAL
			74 100.0
***** SEX *****			
MALE	65 87.8	0 0.0	0 0.0
FEMALE	8 10.8	0 0.0	0 0.0
N/A	1 1.4	49 66.2	1 1.4
TOTAL	74 100.0	74 100.0	0 0.0
***** JOIN DATE *****			
1900-1920	0 0.0 1	2 2.7	1 1.4
1921-1925	0 0.0 2	5 6.8	1 1.4
1926-1930	0 0.0 3	1 1.4	0 0.0
1931-1935	1 1.4 4	1 1.4	2 2.7
1936-1940	3 4.1 5	3 4.1	2 2.7
1941-1945	4 5.4 6-10	4 5.4	0 0.0
1946-1950	8 10.8 11-15	8 0.0	3 4.1
1951-1955	3 4.1 16-20	9 0.0	5 6.8
1956-1960	6 8.1 21-25	5 6.8	0 0.0
1961-1965	7 9.5 26-30	4 5.4	1 1.4
1966-1970	4 5.4 31-35	7 9.5	8 10.8
1971-1975	5 6.8 36-40	6 8.1	15 20.3
1976-1980	9 12.2 41-45	3 4.1	74 100.0
1981-1985	7 9.5 46-50	8 10.8	
1986-1990	5 6.8 51-55	4 5.4	
1991-1995	12 16.2 56-60	3 4.1	
1996-2000	0 0.0 61+	1 1.4	
N/A	0 0.0 N/A	0 0.0	
TOTAL	74 100.0	74 100.0	
***** ETHNIC BACKGROUND *****			
		0 0.0	0 0.0
		0 0.0	0 0.0
		0 0.0	0 0.0
		0 0.0	0 0.0
		28 37.8	1 1.4
		0 0.0	0 0.0
		46 62.2	0 0.0
		74 100.0	29 39.2
			TOTAL
			74 100.0



AMERICAN CHEMICAL SOCIETY

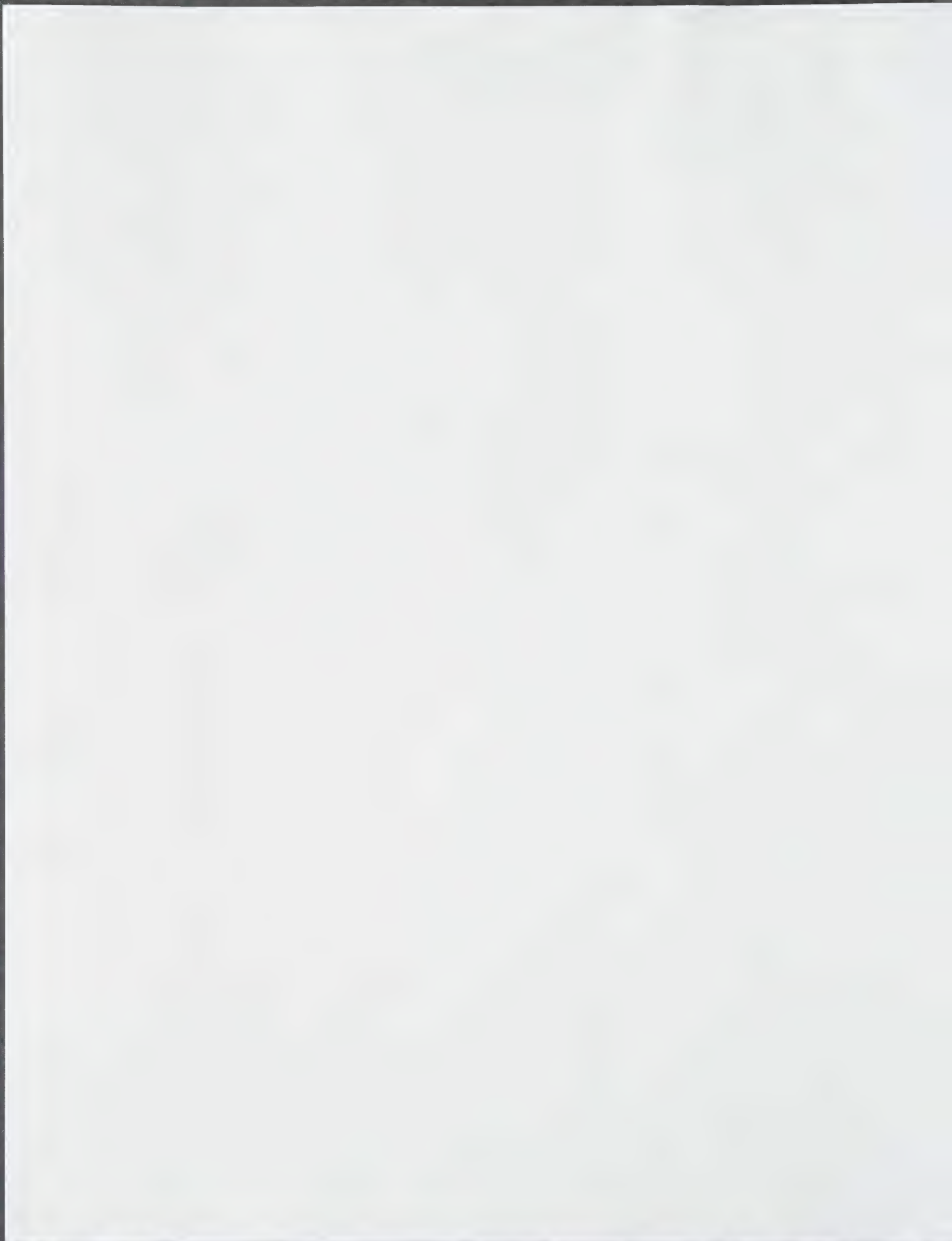
DEMOGRAPHICS REPORT

ACS02051996 Report 01

Thu Jun 13 17:52:28 EDT 1996

Northern West Virginia

AGE OF MEMBER	JOURNALS TAKEN	GEOGRAPHIC AREA	MEMBERSHIP STATUS
11-20	121 72.9	EUROPE	0 0.0 NATIONAL AFFILIATE
21-25	25 15.1	UK	0 0.0 STUDENT AFFILIATE
26-30	17 10.2	JAPAN	0 0.0 MEMBER
31-35	1 0.6	MEXICO	0 0.0 ASSOCIATE MEMBER
36-40	2 1.2	CANADA	0 0.0 STUDENT MEMBER
41-45	0 0.0	DOMESTIC	166 100.0 STUDENT ASSOCIATE MEMBER
46-50	0 0.0	OTHER	0 0.0 EMERITUS MEMBER
51-55	0 0.0	N/A	0 0.0 RETIRED MEMBER
56-57	2 1.2	8	0 0.0 TOTAL
57-57	0 0.0	9	166 100.0 N/A
58-58	0 0.0	0	TOTAL 166 100.0
59-59	1 0.6	10	0 0.0 ***** MAJOR ***** PRIMARY FUNCTION *****
60-60	3 1.8	11	0 0.0 CHEMISTRY 132 79.5 Graduate Student 11 6.6
61-61	1 0.6	XX	0 0.0 CHEMICAL ENGINEERING 19 11.4 Postdoctoral Research 4 2.4
62-62	1 0.6	TOTAL	166 100.0 OTHER 14 8.4 Research Professor 14 8.4
63-63	0 0.0	0	0 0.0 N/A 1 0.6 Secondary Principal 0 0.0
64-64	0 0.0	0	0 0.0 ***** CHEMISTRY DEGREE ***** TOTAL 166 100.0 Secondary Teacher 0 0.0
65-65	1 0.6	DOCTORS	93 56.0 Undergraduate Student 0 0.0
66-66	2 1.2	MASTERS	23 13.9 ***** PRIMARY FIELD IN CHEMISTRY ***** Univ Administrator 2 1.2
67-67	4 2.4	BACHELORS	45 27.1 Agriculture & Food 1 0.6 Univ/College Teacher 35 21.1
68-68	0 0.0	ASSOCIATES	0 0.0 Analytical 11 6.6 Academic Other 1 0.6
69-69	2 1.2	OTHER	0 0.0 Biochemistry 6 3.6 IND Applied Research 3 1.8
70-70	0 0.0	N/A	5 3.0 Biotechnology 3 1.8 IND Basic Research 0 0.0
71+	2 1.2	TOTAL	166 100.0 Chem Education 6 3.6 IND Corporate Management 0 0.0
N/A	16 9.6	6	0 0.0 Chem Information 0 0.0 IND Engineering Design 0 0.0
TOTAL	10 6.0	** NONCHEMISTRY DEGREE **	0 0.0 Clinical 0 0.0 IND Maintenance 0 0.0
	166 100.0	DOCTORS	11 6.6 Colloid & Surface 3 1.8 IND Market Development 1 0.6
		MASTERS	7 4.2 Computing/Molec Model 1 0.6 IND Marketing/Product Mgmt 0 0.0
		BACHELORS	17 10.2 Electronics/Semicond 0 0.0 IND Production 0 0.0
		ASSOCIATES	0 0.0 Energy 17 10.2 IND Process Control 0 0.0
		OTHER	0 0.0 Environmental 6 3.6 IND Process R&D 3 1.8
		N/A	131 78.9 Forensic 0 0.0 IND Product R&D 8 4.8
		TOTAL	166 100.0 Geochemistry 0 0.0 IND Purchasing 0 0.0
			Health & Safety 2 1.2 IND Quality Control 2 1.2
			Inorganic 9 5.4 IND Sales/Advertising 0 0.0
			Marketing/Business 0 0.0 IND Technical Management 1 0.6
			Materials 3 1.8 IND Technical Service 2 1.2
			Medicinal/Pharmaceut 7 4.2 Industrial Other 0 0.0
			Nuclear 4 2.4 Nuclear 1 0.6 GOV Basic/Applied Research 16 9.6
			Organic 11 6.6 Organic 24 14.5 GOV Engineering Design 0 0.0
			Personal Care 25 15.1 Personal Care 0 0.0 GOV Granting Agency 3 1.8
			Physical 13 0.0 Physical 11 6.6 GOV Military Service 0 0.0
			Polym/Coatng/Plastic 22 0.0 Polym/Coatng/Plastic 2 1.2 GOV Process R&D 2 1.2
			Rubber 14 8.4 Rubber 1 0.6 GOV Product R&D 0 0.0
			Toxicology 10 6.0 Toxicology 0 0.0 GOV Regulating Functions 0 0.0
			Other 6 3.6 Other 12 7.2 Government Other 0 0.0
			N/A 14 8.4 N/A 39 23.5 Labor Union 0 0.0
			TOTAL 22 13.3 41-45 7 4.2 TOTAL 166 100.0 Professional Assn Mgmt 0 0.0
			46-50 2 1.2 Scientific Society Mgmt 0 0.0
			51-55 3 1.8 ***** ETHNIC BACKGROUND ***** Consultants 0 0.0
			56-60 1 0.6 AFRICAN AMER (BLACK) 1 0.6 Consulting Chemists 1 0.6
			61+ 1 0.6 HISPANIC 0 0.0 Consulting Engineers 0 0.0
			N/A 0 0.0 NATIVE AMER (& ALASKAN) 1 0.6 Clinical Laboratory 0 0.0
			TOTAL 166 100.0 TOTAL 166 100.0 ASIAN (& PAC ISLANDERS) 11 6.6 Independent Laboratory 3 1.8
			WHITE (CAUCASIAN) 73 44.0 Prof Orgs/Consult Other 0 0.0
			OTHER 2 1.2 Information Specialist 0 0.0
			N/A 78 47.0 Patent Attorney 0 0.0
			TOTAL 166 100.0 N/A 54 32.5
			TOTAL 166 100.0



SPECIAL NOTICE TO ACS TOUR SPEAKERS

Although tour speakers' travel expenses are ultimately paid by the participating local sections, your travel expenses will be reimbursed directly from the American Chemical Society and are subject to its policies governing the reporting and reimbursement of travel expenses. Please read the entire list of instructions below carefully before you begin your speaking tours.

- TRANSPORTATION. Ticket stubs or transportation receipts are required for reimbursement. A ~~31.5~~ 31 cents per mile allowance is provided for transportation by personally owned automobiles; the total amount reimbursable is limited to less-than-first-class commercial air fares between travel points.
- CAR RENTALS. In cases of necessity, rental car use is allowed and compact models are to be engaged. Reimbursement for full collision insurance is *not* allowable and **THE COLLISION DAMAGE WAIVER on the agreement form SHOULD BE DECLINED.** ACS insurance covers those persons authorized to travel on ACS business. For further information, contact Grace Torres in the Treasurers' Office at 202-452-2125. ACS discount programs are discussed on the reverse side of this sheet.
- LODGING. Reimbursement is allowed for single room rates on an actual cost basis. Separate the charges for meals billed to rooms, telephone calls, etc. from the hotel and record them in the appropriate spaces on page 2 of the voucher.
- MEALS. Meal expenses, including tips for service, are reimbursable on the actual cost basis and are subject to the "average-cost-per-day" guideline. Do not report "averaged" meal costs. RECEIPTS ARE REQUIRED.
- LONG-DISTANCE TELEPHONE CALLS. The reasonable actual cost of only one personal long-distance telephone call for each two days of travel is acceptable.
- MISCELLANEOUS. "Personal" expenses, such as credit card fees, charge account interest fees, and barber and beauty shop charges, are *not* reimbursable.
- RECEIPTS. Original receipts, rather than copies, must accompany the signed voucher.

(over please)

The Speaker Service is required to observe the listed guidelines. *Expenses, other than those allowed by these ACS regulations, are not reimbursable*; the speaker service will adjust tour speaker payment vouchers accordingly. Keep copies of your forms and receipts in case any discussions regarding reimbursement become necessary.

- AIR TRAVEL. Air travel costs often can be greatly reduced by making reservations in advance, at least 30 days before departure. Since the participating local sections share the cost of a tour speaker's travel expenses, the sections and the Speaker Service would appreciate your efforts to take advantage of "supersaver" and other discount air fares whenever possible.
- CAR RENTAL. ACS member discounts are offered through Avis, Budget and Hertz; however, do not feel restricted to these companies if you are offered greater savings by other car rental companies or discount plans. A clear understanding of the rates (limited free milage, weekly economy fares, etc.) and conditions (e.g., drop charges on one-way rentals) should be obtained when renting any automobile.

To obtain ACS car rental discounts you will need the following information:

<u>Company</u>	<u>Telephone</u>	<u>Identification</u>
Avis	1-800-331-1212	AWD# B120700
Budget	1-800-455-2848	BCD# V118000
Hertz	1-800-654-2200	CDP# 083855



REQUEST FOR PAYMENT VOUCHER - TRAVEL EXPENSE

DATE _____

(PLEASE TYPE OR PRINT EXCEPT WHERE SIGNATURE IS REQUESTED.)

TO: (Payee)

Grid for TO: (Payee) information

ADDRESS:

Grid for ADDRESS information

Each line limited to 28 characters and spaces. These lines will appear on the check issued in payment of this voucher.

Special instructions for mailing of check:

FOR ACCOUNTS PAYABLE USE: Vendor No., Trip No., Voucher Number, Audited By, Edited By, Mailed By

ACCOUNT DISTRIBUTION table with columns: AMOUNT, ACCOUNT, UNIT, COST CODE, TASK

PURPOSE OF TRAVEL: Note: Internal Revenue Code Regulation 1.274-5 stipulates that no deduction will be allowed for any expenditure for travel or entertainment unless the expenditure is substantiated by inclusion of the location, participants and business purpose of the expenditure on the request for reimbursement. If not properly substantiated, the expenditure may be considered taxable compensation to the employee.

SUMMARY OF EXPENSES (FROM WORKSHEET ON BACK) table with rows: REIMBURSABLE EXPENSES, LESS PERSONAL EXPENSES, SUBTOTAL, LESS TRAVEL ADVANCE, BALANCE DUE

I certify that the expenses claimed on this voucher were incurred by me in connection with travel on ACS business, and that I have not been, nor do I expect to be, reimbursed from any other source for any portion of the net amount claimed from ACS. If advance exceeds total reimbursable expenses, please attach your check payable to ACS for the balance due. Please include a copy of your travel advance voucher with this travel voucher.

PAYEE SIGNATURE: _____

VOUCHER PREPARED BY: _____

PHONE _____

APPROVAL SIGNATURE: _____ (Signature)

_____ (Date)

ACS Speaker Service - Tour Evaluation

To the speaker: How was your tour? (*Good, we hope!*) Please help the sections you've visited make lecture tours even better by filling out this questionnaire for each section where you gave a talk -- and please take the time to do it now, while you're on tour, while your impressions are fresh. Your comments will help the sections to continue to improve their program. Thanks a lot for your generosity and assistance to the local sections.

Speaker: _____

Section/Location: _____ Date of Visit: _____

- Prior to your trip, did the section contact you in a timely way by phone? Yes No
by letter? Yes No by e-mail? Yes No Did you get an advanced copy of the meeting announcement? Yes No Was your topic in the announcement the same as the one in your itinerary? Yes No

Remarks _____

- How was the drive from your previous stop?
About right Too long Or did you fly in

Remarks _____

- How would you describe your accommodations?
Very Good Good
Fair Poor

Remarks _____

- How many people joined you for dinner before your talk? Less than 10 10-30 30 or more
How many people joined you for dinner after your talk? Less than 10 10-30 30 or more
Were there refreshments in the lecture room? Yes No

- How would you describe the lecture room?
Very Good Good
Fair Poor

Remarks _____

- How would you describe the audiovisual set-up?
Very Good Good
Fair Poor

Remarks _____

(over please)

- Approximately how many people attended the lecture? Less than 10 10-30 30 or more
 Were they older? Yes No Younger? Yes No Students? Yes No
 Mixed? Yes No Did spouses attend? Yes No
 Were you satisfied with the attendance? Yes No

Remarks _____

- After the talk were there questions? Yes No
 A heated discussion? Yes No
 Refreshments? Yes No
 An opportunity to visit with some section members after the talk? Yes No

Remarks _____

- Did you use the occasion of your trip for sightseeing? Yes No
 Visiting a college or university? Yes No
 Visiting a commercial facility? Yes No
 Relaxing at your motel? Yes No
 Visiting friends or family? Yes No

Remarks _____

• What did you like *best* about this visit? _____

• What did you like *least* about this visit? _____

• Anything else you'd like to tell us? _____

Thanks again for doing the tour and for providing us with this glimpse of the sections you visited!

ACS Speaker Service - Tour Evaluation

To the speaker: How was your tour? (*Good, we hope!*) Please help the sections you've visited make lecture tours even better by filling out this questionnaire for each section where you gave a talk -- and please take the time to do it now, while you're on tour, while your impressions are fresh. Your comments will help the sections to continue to improve their program. Thanks a lot for your generosity and assistance to the local sections.

Speaker: _____

Section/Location: _____ Date of Visit: _____

- Prior to your trip, did the section contact you in a timely way by phone? Yes No
by letter? Yes No by e-mail? Yes No Did you get an advanced copy of the meeting announcement? Yes No Was your topic in the announcement the same as the one in your itinerary? Yes No

Remarks _____

- How was the drive from your previous stop?
About right Too long Or did you fly in

Remarks _____

- How would you describe your accommodations?
Very Good Good
Fair Poor

Remarks _____

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Remarks _____

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Section/Location: _____ Date of Visit: _____

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• What did you like *least* about this visit? _____

• Anything else you'd like to tell us? _____

Thanks again for doing the tour and for providing us with this glimpse of the sections you visited!



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

A Chemist Helping Chemists

January 13, 1997

Dr. E. James Bradford
Awards Administrator
American Chemical Society
1155 - 16th Street, N.W.
Washington, D.C. 20036

Dear Dr. Bradford:

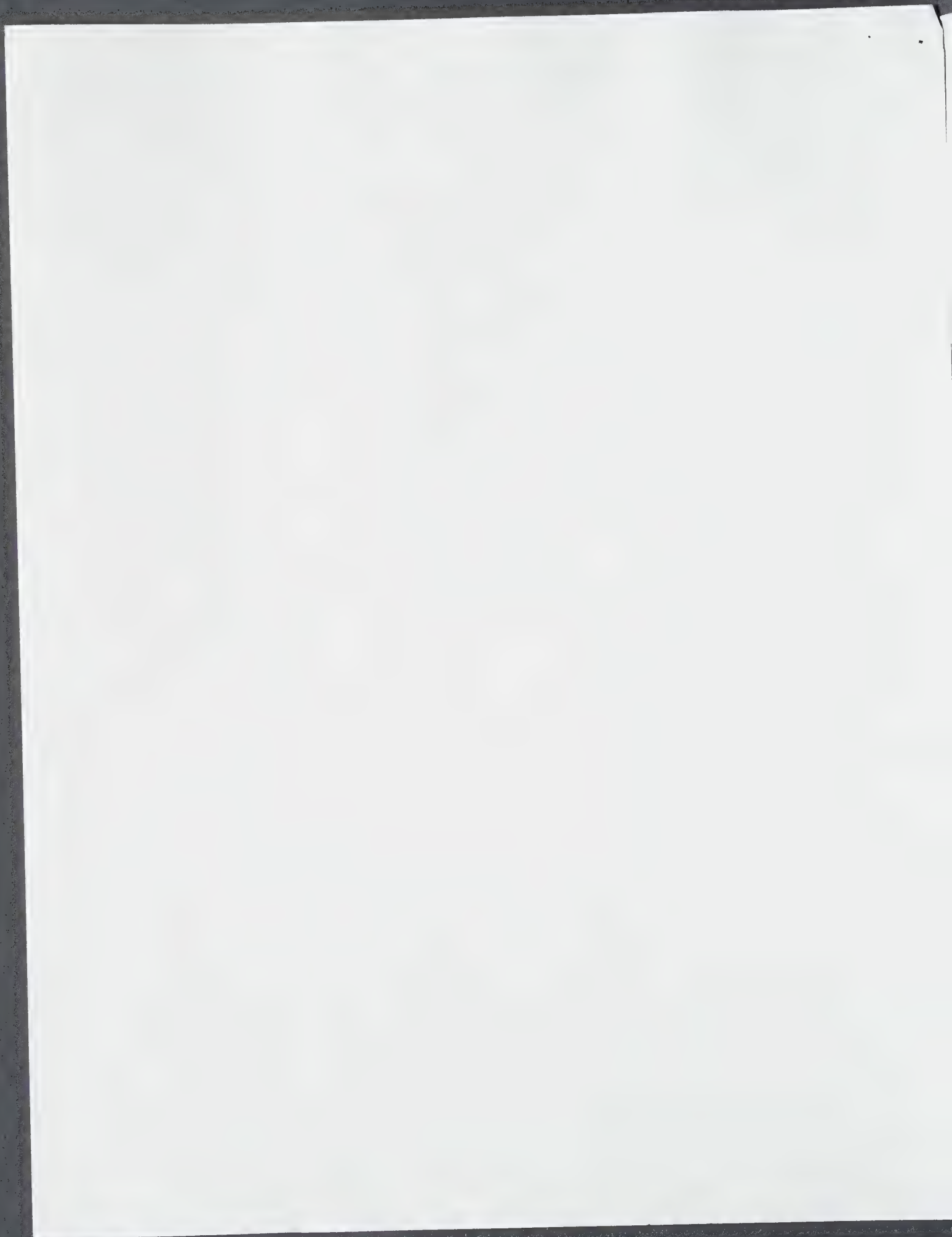
Thank you for your letter of December 20th regarding the Bader Award in Bioinorganic or Bioorganic Chemistry to be given to Professor Collman next April.

My wife and I look forward to being at the awards presentation.

With all good wishes, I remain,

Yours sincerely,

AB/nik





American Chemical Society

AWARDS PROGRAM

E. James Bradford, Ph.D.
Awards Administrator

1155 SIXTEENTH STREET, N.W.
WASHINGTON, D.C. 20036
Phone: (202) 872-4408

20 December 1996

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

Dear Dr. Bader:

The 1997 recipient of the Alfred Bader Award in Bioinorganic or Bioorganic Chemistry is James P. Collman; a copy of the nominating document is enclosed.

An announcement of the selection of 1997 award recipients appeared in the August 26 issue of CHEMICAL & ENGINEERING NEWS. Vignettes discussing the scientific contributions of the 1997 recipients will be published in consecutive issues of C&EN beginning December 23.

The award will be presented at the Awards Banquet on Tuesday, April 15, 1997, at the 213th ACS National Meeting in San Francisco, California. At that time, you or your designee should be present to make the presentation to Dr. Collman. Our office will inform you or your representative about the details of the presentation ceremony by mid-January.

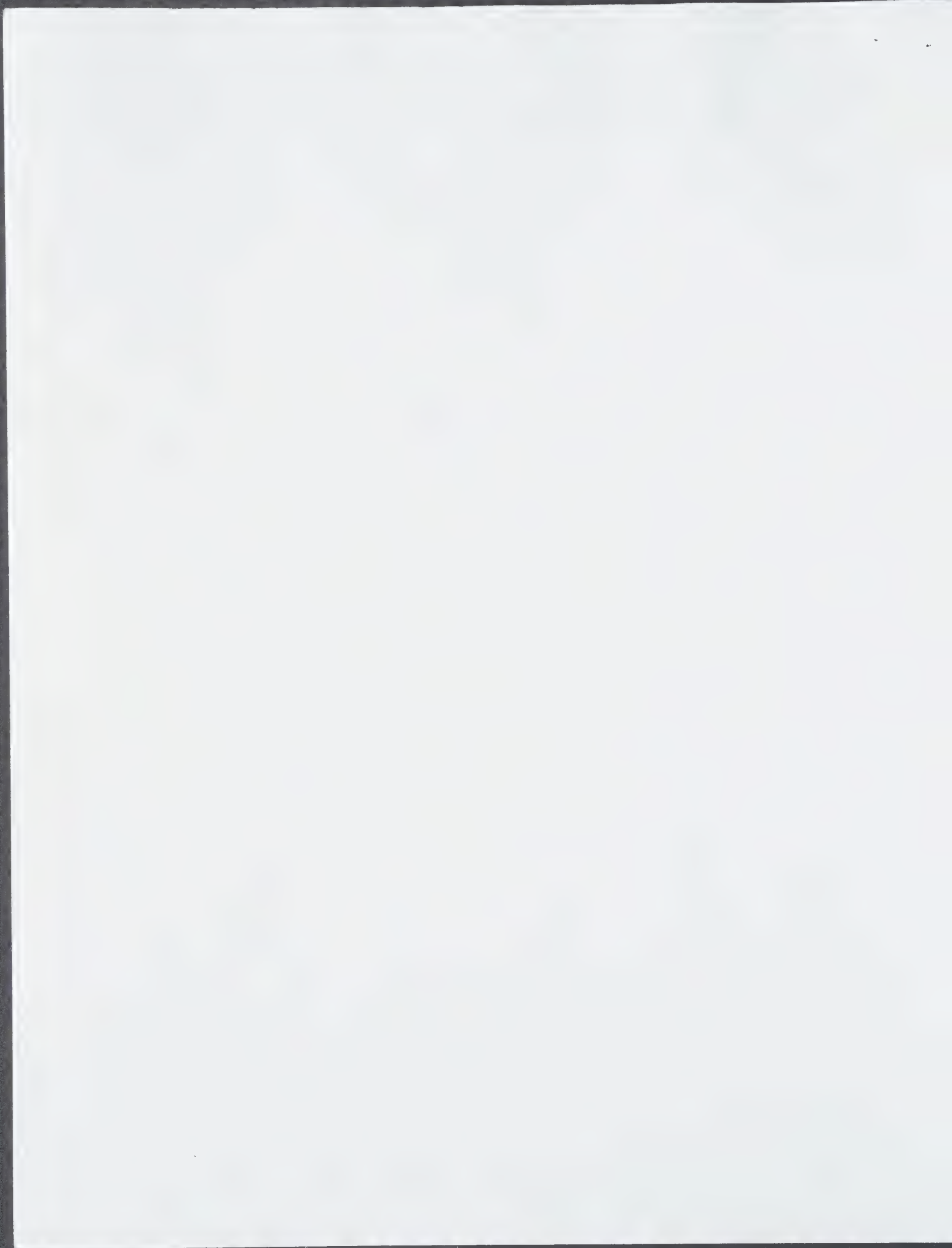
The Society very much appreciates your support of the ACS Awards Program. If there are any questions about any aspect of the program, please feel free to call.

Sincerely yours,

A handwritten signature in blue ink that reads "E. James Bradford". The signature is written in a cursive style.

E. James Bradford
Awards Administrator

EJB:rpt
Enclosure





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

A Chemist Helping Chemists

July 29, 1997

Dr. E. James Bradford
Awards Administrator
American Chemical Society
1155 - 16th Street, N.W.
Washington, D.C. 20036

Dear Dr. Bradford:

I would like to nominate Professor Herbert C. Brown to be the first recipient of the Herbert C. Brown Award for Creative Research in Synthetic Methods.

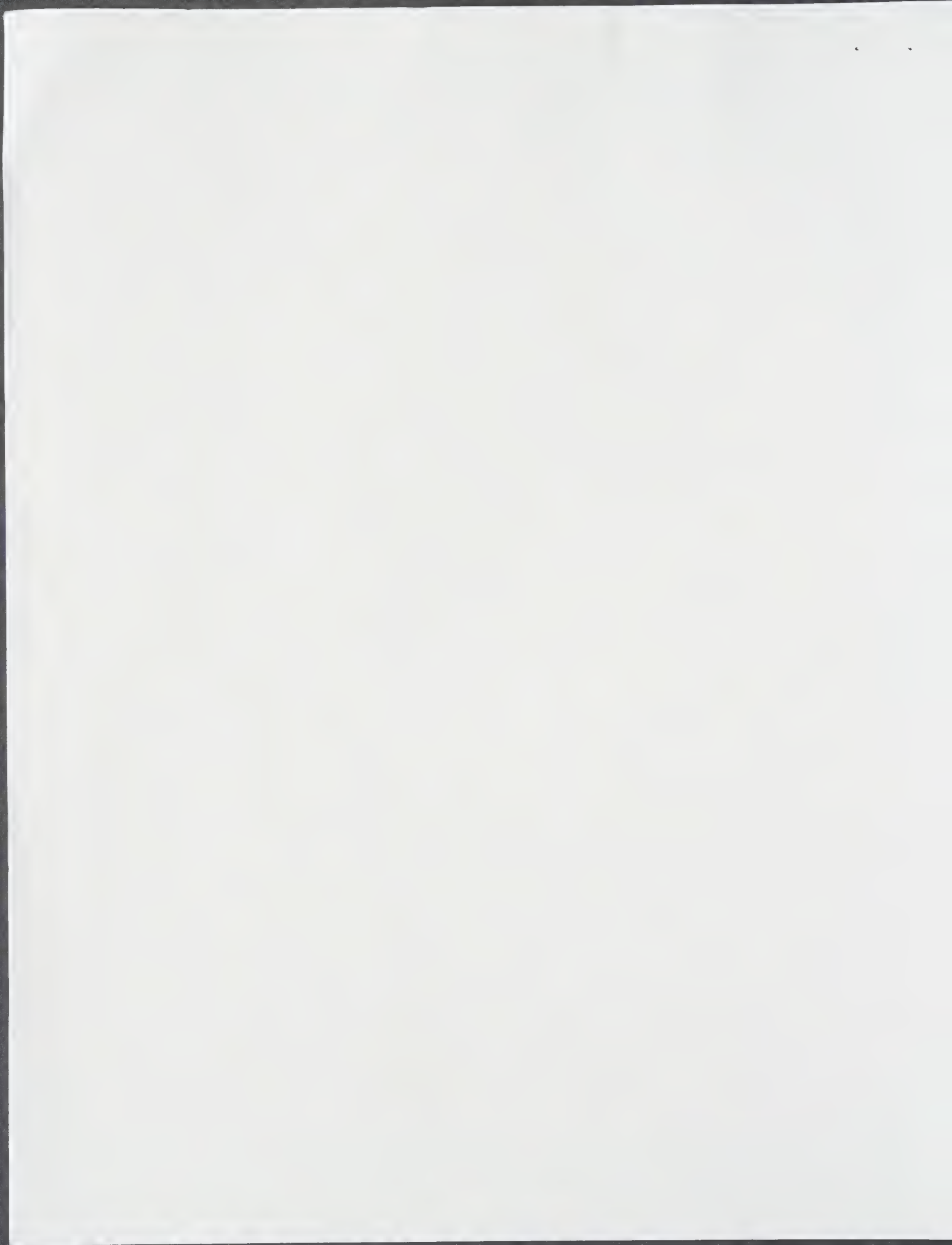
In this nomination, I cannot improve on what has been written by H.C. Brown's associates in the enclosed *Aldrichimica Acta* dedicated to him. James Brewster used a book of the Bible and Derek Davenport his legendary wit to describe Brown's uniqueness. Dr. Srebnik and Dr. Ramachandran described part of Brown's work on asymmetric syntheses utilizing organoboranes. That was written ten years ago.

Since then, Brown's work has continued unabated, and I enclose a list of 170 of his papers dealing with asymmetric syntheses published through early this year. Others are in press. Overall, Brown has published over 1,200 papers.

I also enclose a brief résumé of Brown's life and a list of his honors and awards.

Brown ended his classic work, *Boranes in Organic Chemistry*, published in 1972, with:

"...Pessimists among us preach that we have reached the summit in science and are now on the downgrade. They claim that the major developments have all been made and little remains to be discovered. I firmly disagree. Organoborane chemistry, only a few years old, is clearly a new continent awaiting further exploration, development, and exploitation. My associates and I have been engaged in the initial explorations. There has been little systematic application,



Dr. E. James Bradford
July 29, 1997
Page Two

[Quote continued]

as yet, to the problems of synthesis of complex structures, for pharmaceuticals or natural products. There has been no work, as yet, in exploring the possible utilization of this chemistry for industrial applications. (Indeed, industrial organizations appear to be largely unaware of what has been happening in this area.) Almost no work, as yet, has been done on the physical organic aspects of these new reactions.

Moreover, there are doubtless additional new continents around us awaiting discovery. They will not be discovered by pessimists, but by optimists, exploring with enthusiasm and hope." [from p.450]

Now, twenty-five years later, it is clear that Brown has discovered two continents: organoborane chemistry described in that book and asymmetric syntheses via organoboranes.

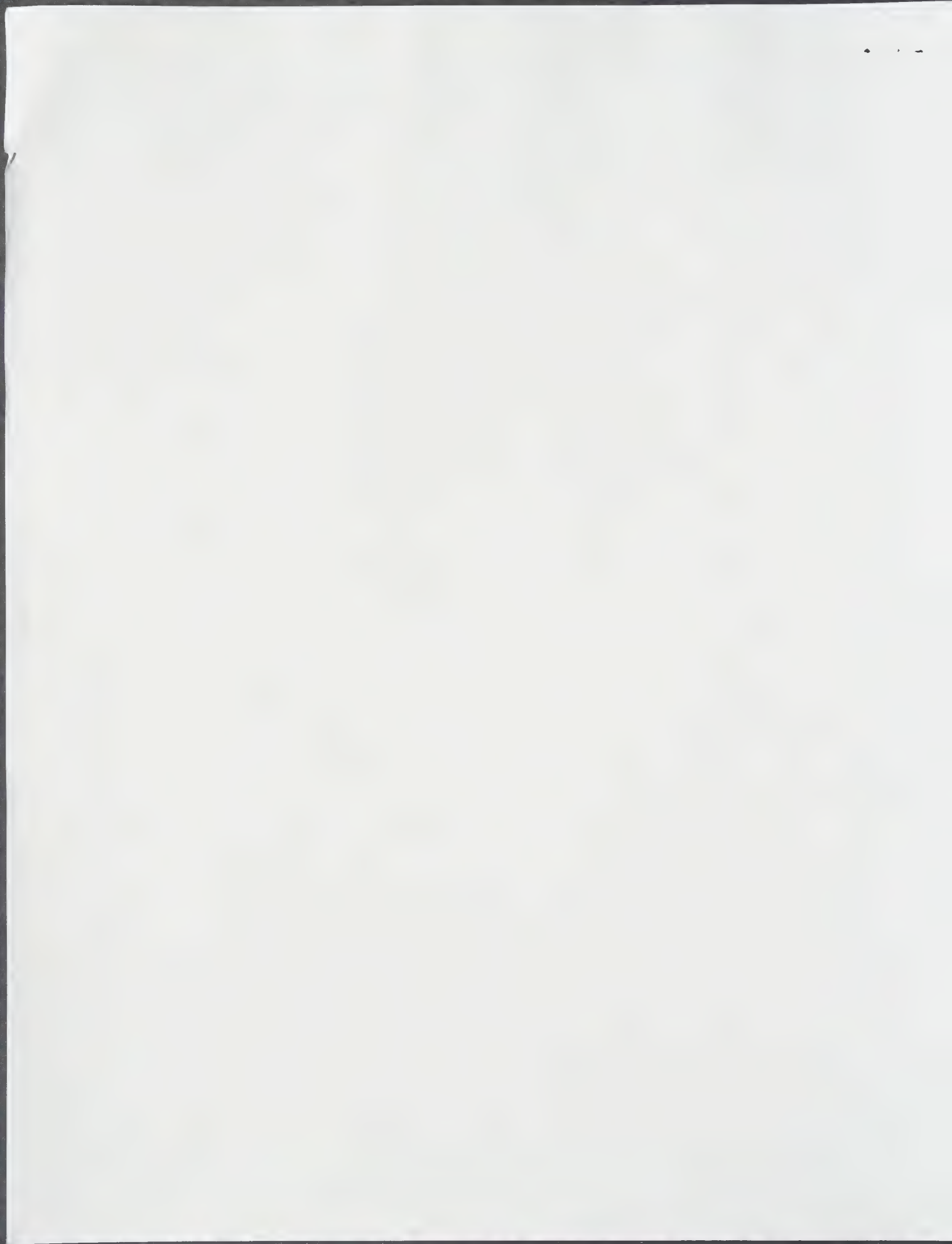
With best wishes, I remain,

Sincerely yours,

AB/cw

Enclosures

bc: Dr. Clint Lane
Professor Ernest Eliel





American Chemical Society

OFFICE OF THE PRESIDENT

S. Allen Heininger
President-Elect, 1990
President, 1991
Immediate Past President, 1992

20 S. CENTRAL
7011 Carondelet, Suite 906
Clayton, MO 63105
Phone and Fax: (314) 726-4666

November 12, 1997

Dear Alfred:

It seems that time has gotten away from me! Let me apologize for taking so long in responding to your letter. I have been to Carmel, Mexico City, Honolulu, Guam and Palau since, and am trying frantically to get caught up. My scuba diving week in the Palau Islands was fabulous!

But first and foremost, let me thank you for your lectures here in St. Louis. Even though the audience was far below my expectations, I certainly enjoyed the two we attended.

Elizabeth and I both very much enjoyed the opportunity to have dinner with you and Isabel on Saturday evening. As I told you, I was unaware of your knowledge of Oberlin thru Professor Wolfgang Stechow. Oberlin is a fine school, and I continue to be actively supporting them as Chairman of my 50th Reunion Gift Committee for my class of 1948.

Incidentally, I feel that good progress is being made in working out the relationship between the ACS, AIChE and the Chemical Heritage Foundation. With it's new-found affluence (thanks to Donald Othmer), the CHF organizational structure and governance needed improvement for the coming years. At this stage, I'm encouraged.

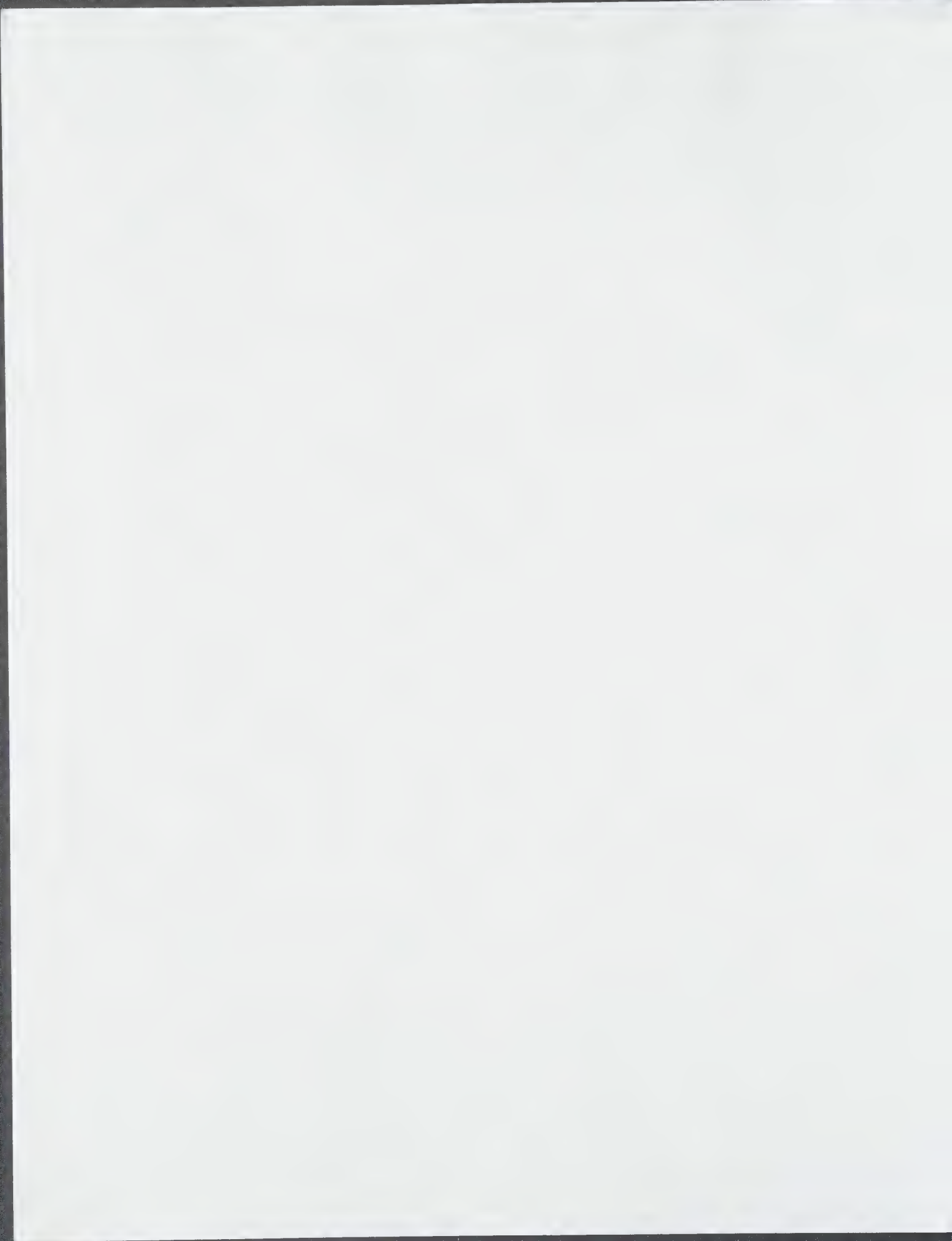
At dinner, I mentioned to you and Isabel the ACS Scholars Program, which provides undergraduate scholarships for under-represented minority students. It has been very successful thus far, and I've personally supported it with a \$100,000 contribution, which the ACS has matched. I'm attaching a brief description of the program, plus a booklet with more details. The mentoring effort is a very critical component.

Isabel mentioned the potential for linkage between the undergraduate Project SEED students and this program, and apparently it is already happening. I take particular pride in the Scholars Program, since it came about primarily through my instigation.

Again, Al, it was great to see you here in St. Louis, and I apologize for not getting back to you sooner. Please give my best regards to Isabel -- we hope to see you both at another ACS meeting in the spring.

Most sincerely,

Al Heininger



HERCULES

Hercules Incorporated
Research Center
500 Hercules Road
Wilmington, DE 19808-1599

Telephone: (302) 995-3505
FAX: (302) 995-4117

March 19, 1997

Dr. Alfred Bader
c/o Alfred Bader Fine Arts
Astor Hotel Suite 622
924 East Juneau Avenue
Milwaukee, Wisconsin 53202

Dear Alfred:

It was truly a pleasure meeting you and Isabel. When I was reading your book, I was impressed with the good chemistry you described, not only scientifically but also between people: between you and your customers, between you and Queen's, and above all between you and Isabel. And what a wonderful love story! I had been eager to talk to both of you and I was not disappointed. Both of you certainly have packed many accomplishments in your lives. I am glad to know that you are planning to add even more to them in the coming months ahead.

Thanks for visiting the ACS Delaware Section. You drew an excellent crowd, and the input I got has been extremely positive. I apologize for the lack of sufficient food for you. By the time you sat down for lunch the eggrolls and two of the dishes had been depleted. Despite the lack of proper nutrition, you gave a most delightful and thoughtful talk.

There are exactly ten people who requested your book. Their names are attached. Please autograph these books and send them to me. I shall see to it that they get their books. I shall also collect from them and then send you a check for the amount.

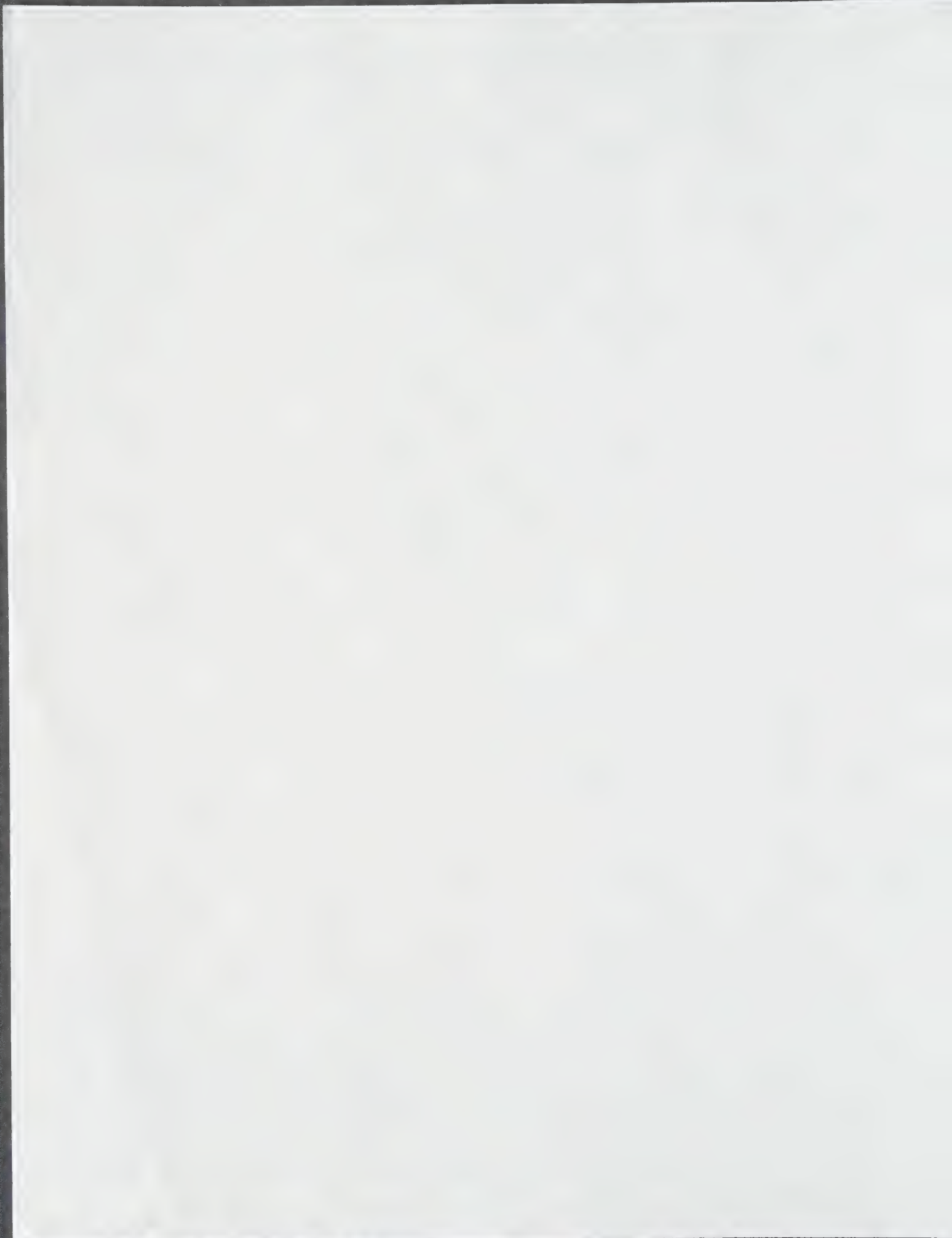
Thanks also for giving me the interesting book on the old masters. I've been reading and learning. For your amusement, I am sending you three recent review articles that I wrote. I am afraid that they are probably too esoteric. The good part is that many of the compounds and polymers described did come from Aldrich/Sigma.

Best regards to you and to Isabel.

Yours sincerely,



H. N. Cheng
Chair
ACS - Delaware Section



FAX FROM



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

A Chemist Helping Chemists

March 17, 1997

To: Professor Robert D. Williams
Department of Natural Sciences and Mathematics
Lincoln University
Fax: 573/681-5944

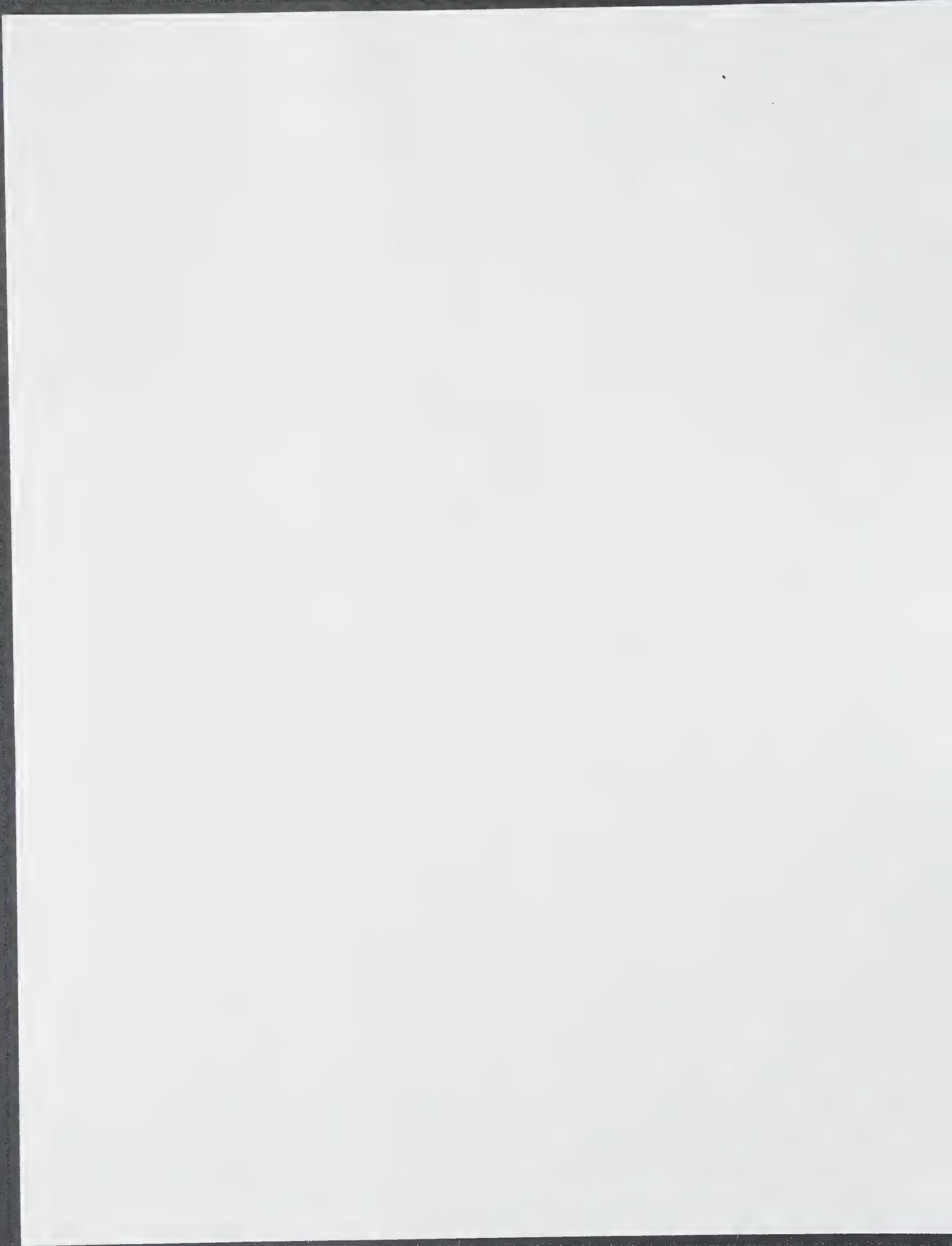
Dear Professor Williams:

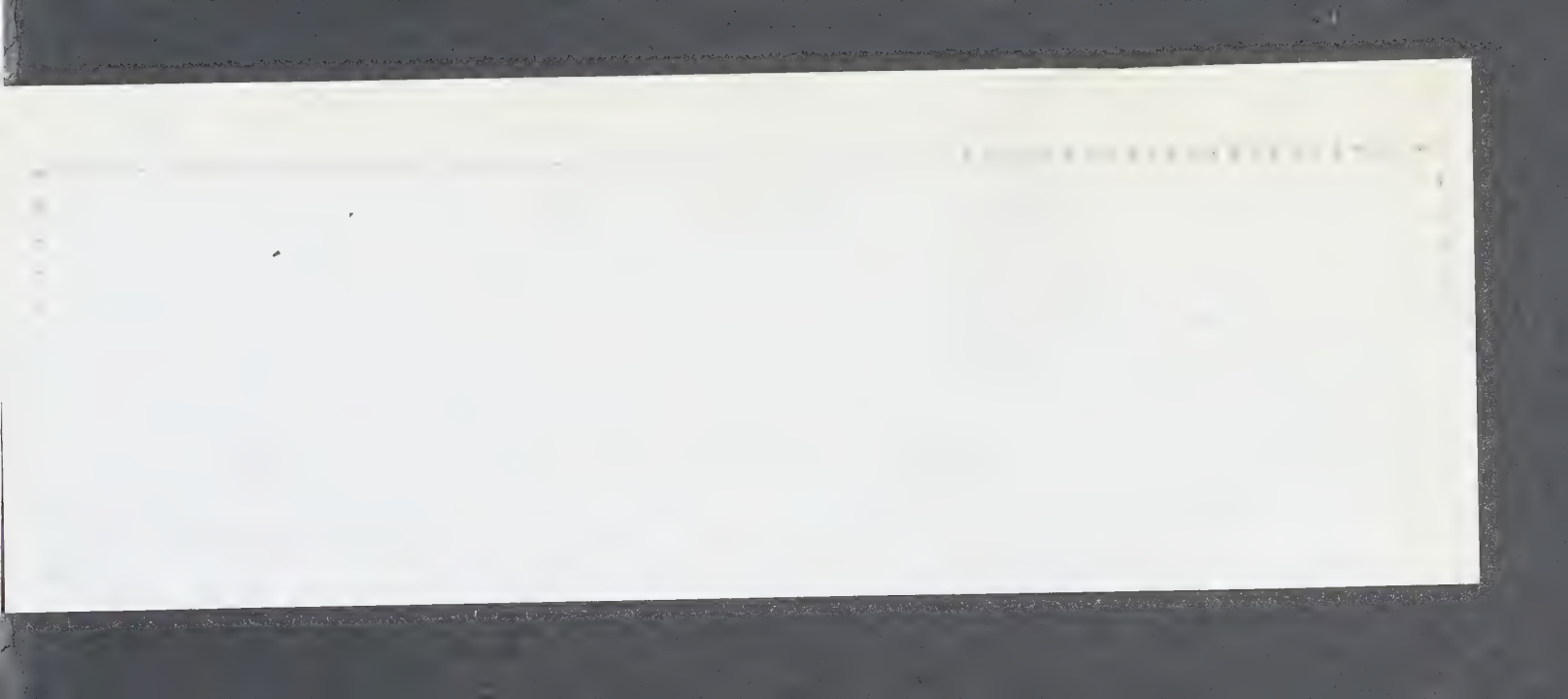
In response to your kind letter of March 12th, I am sorry to have to tell you that my calendar for this year is completely filled.

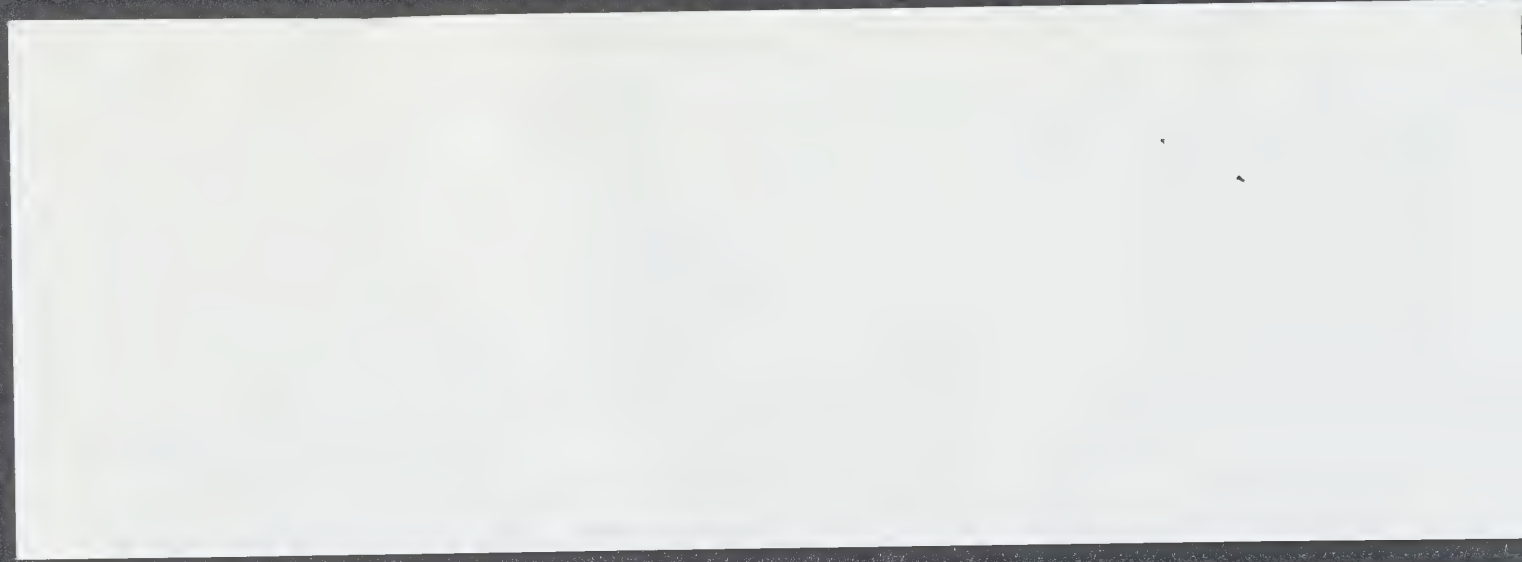
With best wishes, I remain,

Yours sincerely,

AB/cw









1 8 6 6
LINCOLN
University

Department of Natural Sciences and Mathematics

820 Chestnut St., Room 131 Founders Hall
Jefferson City, MO 65102-0029
Phone: (573) 681-5120
(573) 681-5121
FAX: (573) 681-5944

March 12, 1997

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

Dear Dr. Bader:

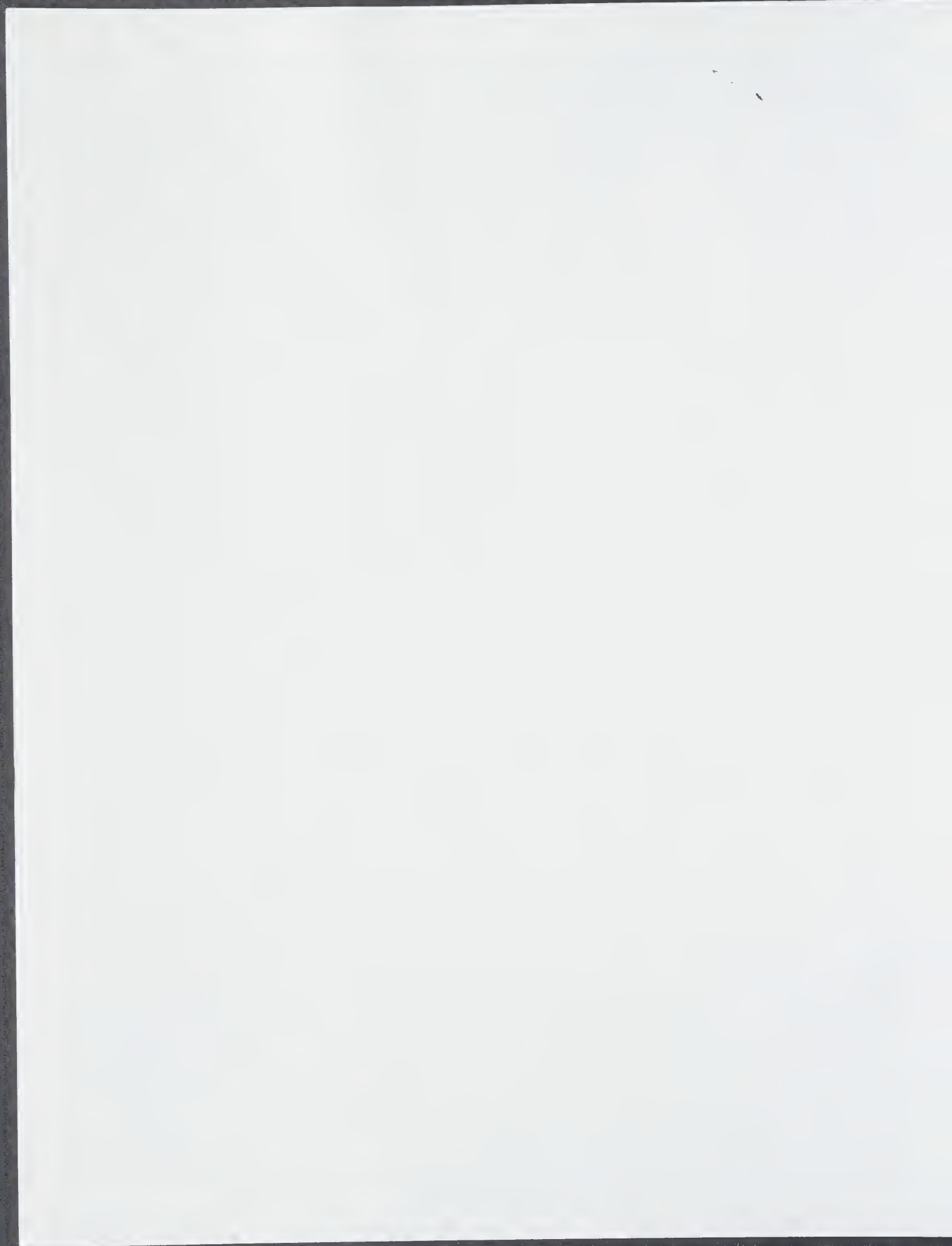
I am the chair-elect of the University of Missouri Local Section of the American Chemical Society. In that position, one of my responsibilities is to arrange for speakers. I am writing you to inquire about having you as the speaker for the section social meeting to be held in the evening of May 2, 1997 in Columbia, MO.

I was at a local section meeting in Atlanta several years ago when you gave a talk and was very much impressed. I found your talk informative and very enjoyable. As I have been planning for this year, I have remembered the talk and thought that you would be an excellent speaker for our social meeting. This meeting is designed for members and their spouses so the audience would be mixed.

Please let me know as soon as possible if you would be interested and available for that meeting. You may write to me at Department of Natural Sciences and Mathematics, Lincoln University, Jefferson City, MO 65102 or phone me at (573)681-5133 or 5120. You may also contact me via e-mail at williamr@lincolnu.edu. I look forward to hearing from you soon and would thank you for your consideration.

Sincerely,

Robert D. Williams, Chair-elect,
University of Missouri ACS Local Section





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

A Chemist Helping Chemists

February 5, 1997

Dr. Greg Wall
4044 Oleatha Avenue
St. Louis, MO 63116

Dear Greg:

Thank you so much for your fax of January 31st received while I was in the East.

Isabel and I have penciled in September 19th to 21st for talks in St. Louis.

I would be very surprised if Jim Burke, the director of the St. Louis Art Museum would allow me to speak there but of course I would be happy to do so.

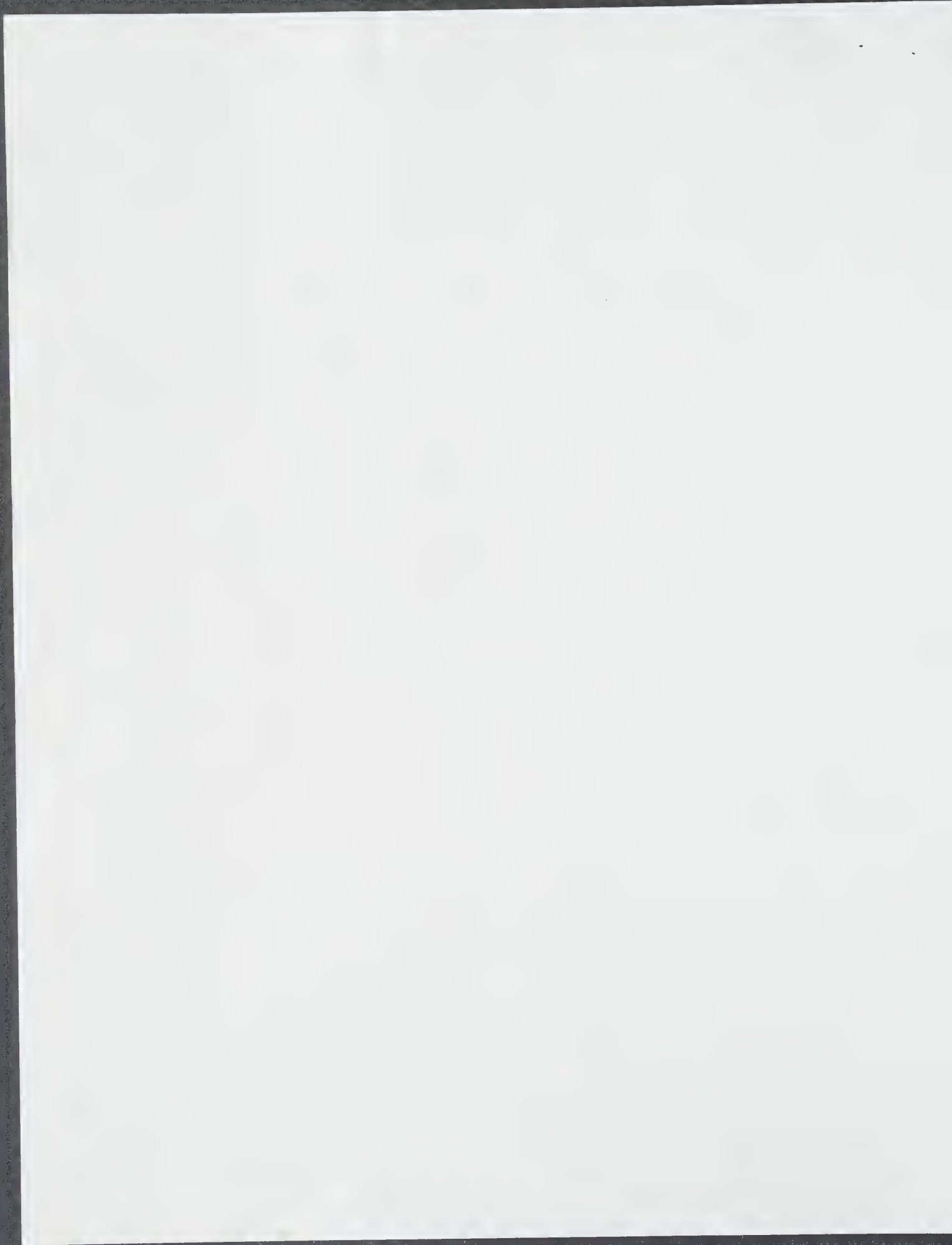
We are always most comfortable in a modest motel which has parking and isn't too far from the places where the talks will be held.

We really only have one very old Sigma friend in St. Louis, Walter Stern, who is now fully retired. I would appreciate you telling him of our visit.

With all good wishes, I remain,

Yours sincerely,

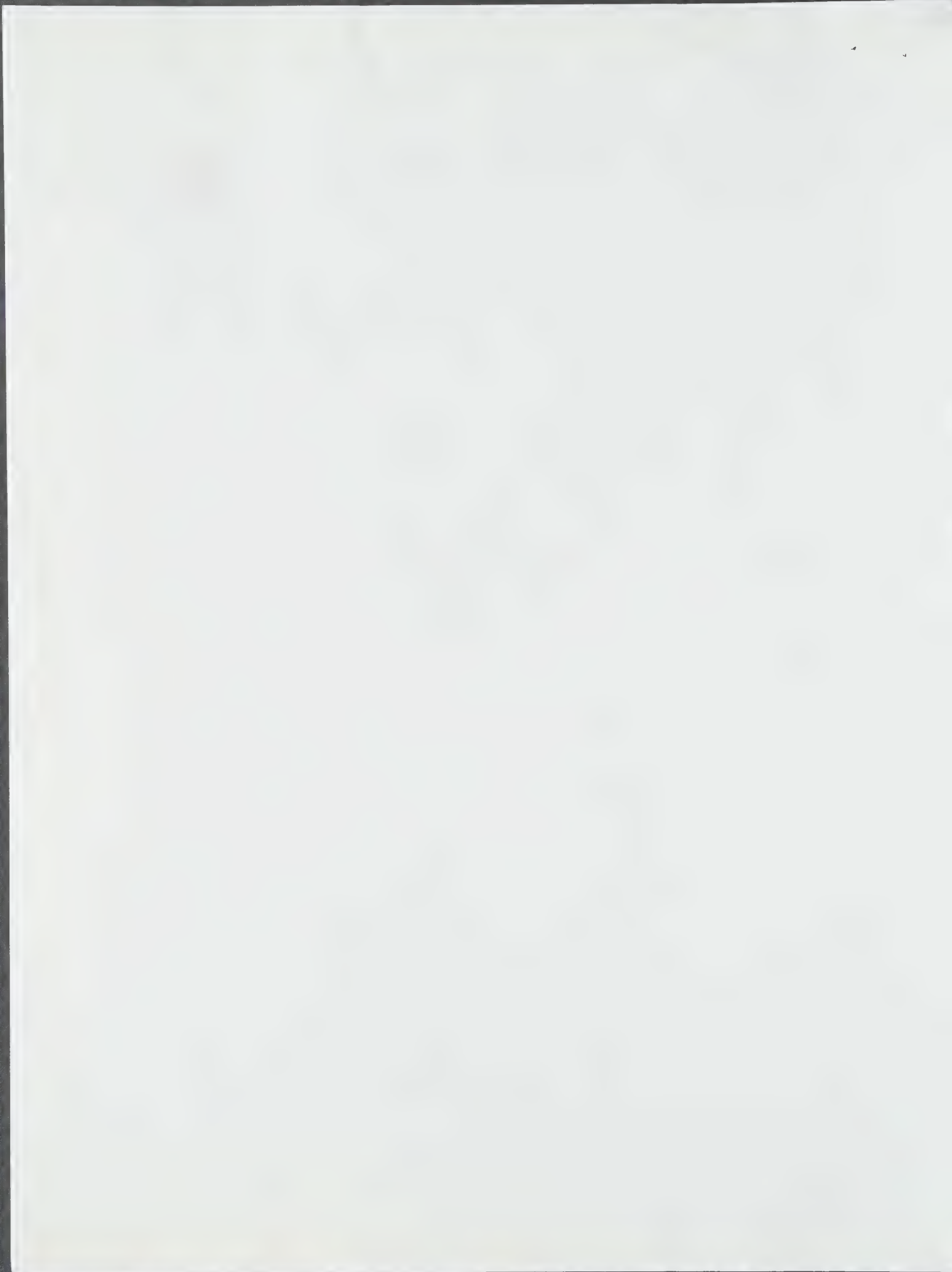
AB/nik



1911
American Chemical Society



1911





American Chemical Society

AWARDS PROGRAM

E. James Bradford, Ph.D.
Awards Administrator

1155 SIXTEENTH STREET, N.W.
WASHINGTON, D.C. 20036
Phone: (202) 872-6327

September 23, 1997

Dr. Herbert C. Brown
1014 Lincoln Trail
West Lafayette, IN 47906

Dear Dr. Brown:

At its executive session (closed meeting) on September 6, 1997, the American Chemical Society Board of Directors voted to name you as the first recipient of the Herbert C. Brown Award for Creative Work in Synthetic Methods, sponsored by Aldrich Chemical Company.

The Society will present the award to you at the General Meeting of the Society and Awards Ceremony on March 31, 1998, in Dallas. You and Mrs. Brown will be the guests of the Society for this formal event. We will also invite Dr. Clinton Lane and a guest to be present for the event. It may be that Aldrich will wish to have a number of people on hand for this and I will be happy to work with Dr. Lane on the arrangements.

Dr. Cynthia Maryanoff, 1997 chair of the Division of Organic Chemistry, will contact you regarding the presentation of your required award address.

In the Awards Office, we always say that the first recipient of an award sets the standard for the level of work to be recognized by the award in the future. This action by the Board of Directors certainly sets the bar high for this award in perpetuity. Please accept my congratulations on this well-deserved honor.

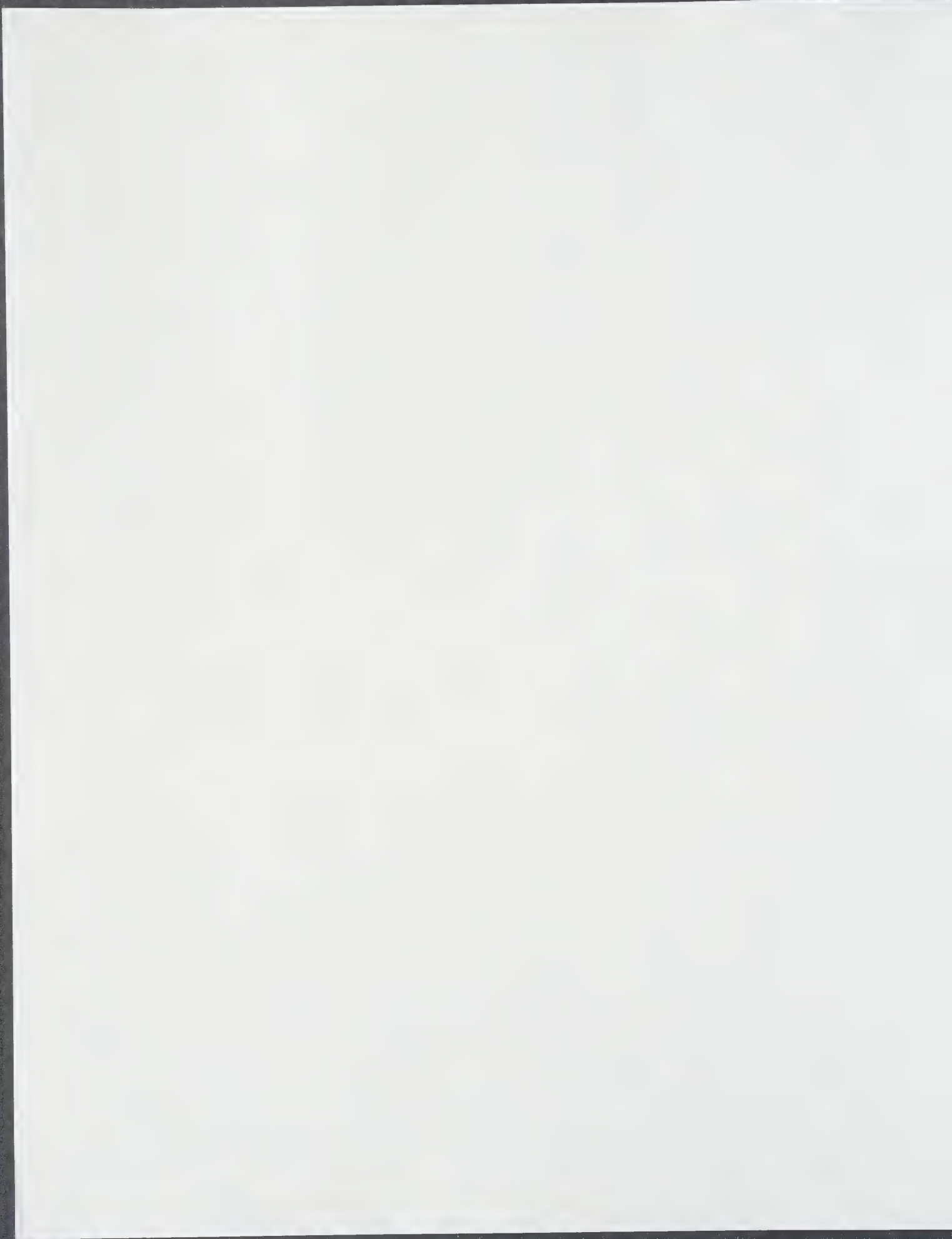
Sincerely,

E. James Bradford

EJB/lp

Copy:

✓ A. Bader, M. Bowen, S. Hall, C. Lane, C. Maryanoff, H. Merrell,
J. Shields, P. Walter, E. Willis





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

Dr. Greg Wall
4044 Oleatha Avenue
St. Louis, MO 63116

Dear Greg:

Thank you for your fax received today.

Isabel and I plan to drive, leaving Milwaukee on September 18th and then returning on September 22nd.

My first talk is at the Art Museum at 6:30 on Friday, and so we plan to leave sometime around Thursday noon and sleep in some simple motel on the way, planning to arrive in St. Louis around Friday noon.

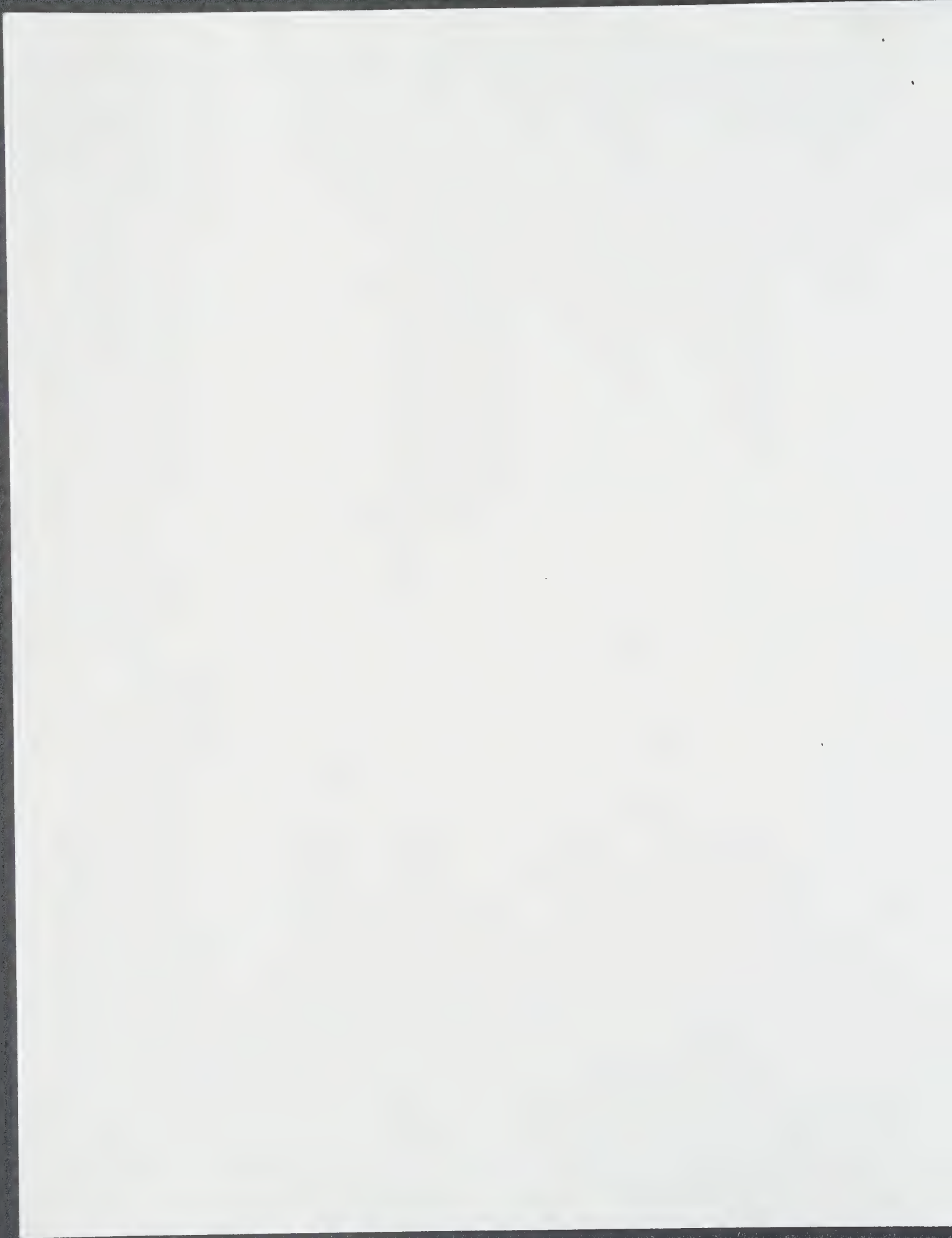
As my last talk will either be to the ACS on Sunday noon or to the Jewish Community Center on Sunday evening, we plan to stay in St. Louis overnight on Sunday and then drive back on Monday.

Hence, please find us a simple, centrally located motel in St. Louis for Friday night, September 19th, through Sunday night, the 21st. In the past, we have had good experiences with Ramada Inns and Comfort Inns, and they also give you a reasonable continental breakfast. Holiday Inns are too big and don't.

Don't push the Jewish Community Center; if they want me, fine; if not, fine also.

As we will be driving, we will have no difficulties taking an ample supply of books.

To turn now to your luncheon at the Botanical Gardens, the menu is fine except that we don't eat crabmeat or any shellfish or pork. We know nothing about wines and just as soon drink tap water. But others may well prefer wines. Isabel, who is listening to my dictation, just mentioned that we would be happy to join you in a glass of wine, but it is just not important.



Dr. Greg Wall
July 31, 1997
Page 2

As you know, it was Dan Broida who really built Sigma into a wonderful company, and as you will know from my autobiography, I had a surprisingly good rapport with him. In fact, it was old Aldrich directors - Marvin Klitsner, Ralph Emanuel, and I - who saved him from being thrown out of the company a year before he finally was.

As you will see from the correspondence with Roma, his widow and a great human being, she would like to invite us for dinner on one of the evenings, and, of course, we would like to accept.

We would also like to see as many old friends as possible, certainly Mr. and Mrs. Walter Stern and Dan Fagen.

I plan to bring along a great many reproductions of my paintings to be picked up by members, of course at no charge.

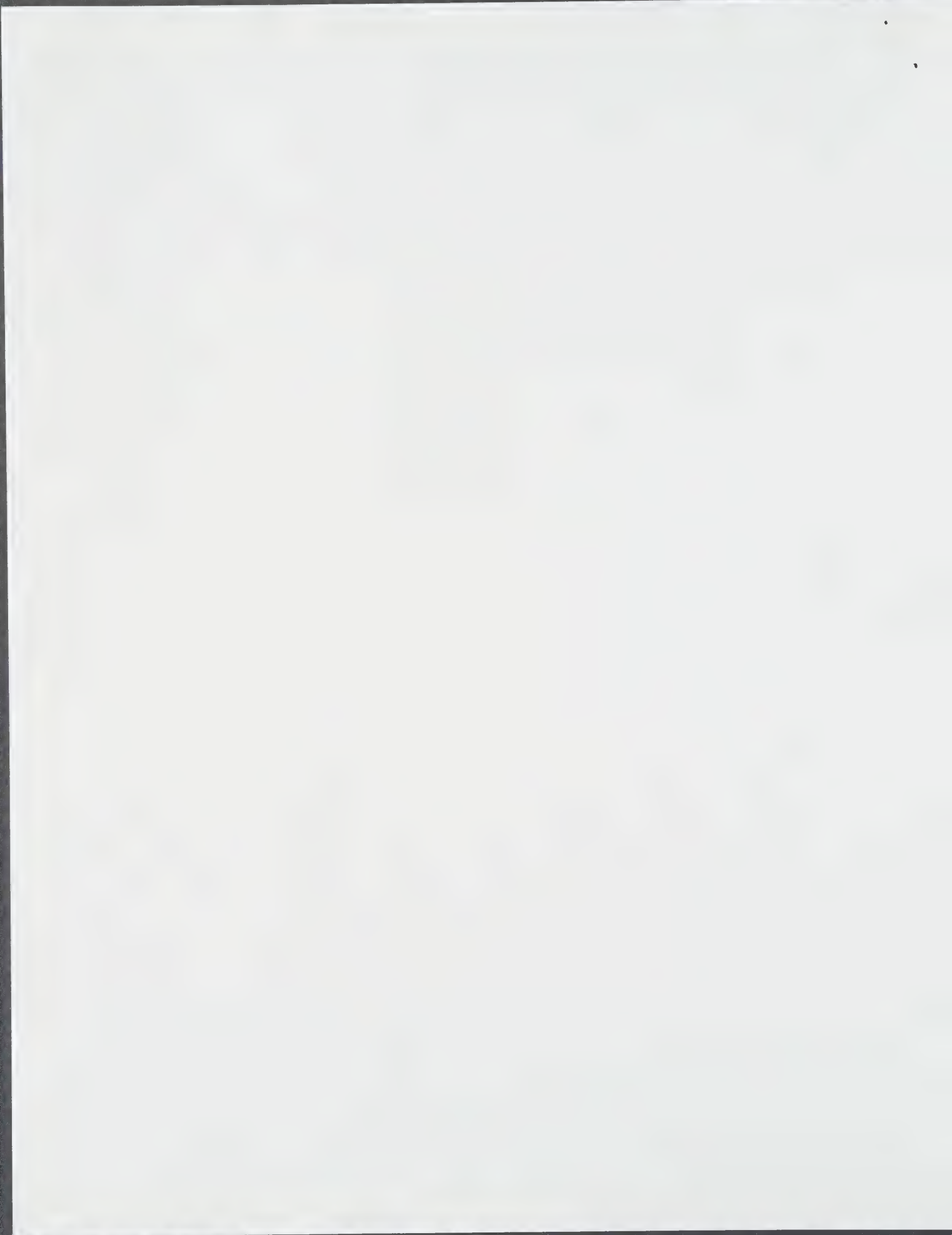
Isabel and I really look forward to being with you.

With all good wishes, I remain,

Yours sincerely,

AB/cw

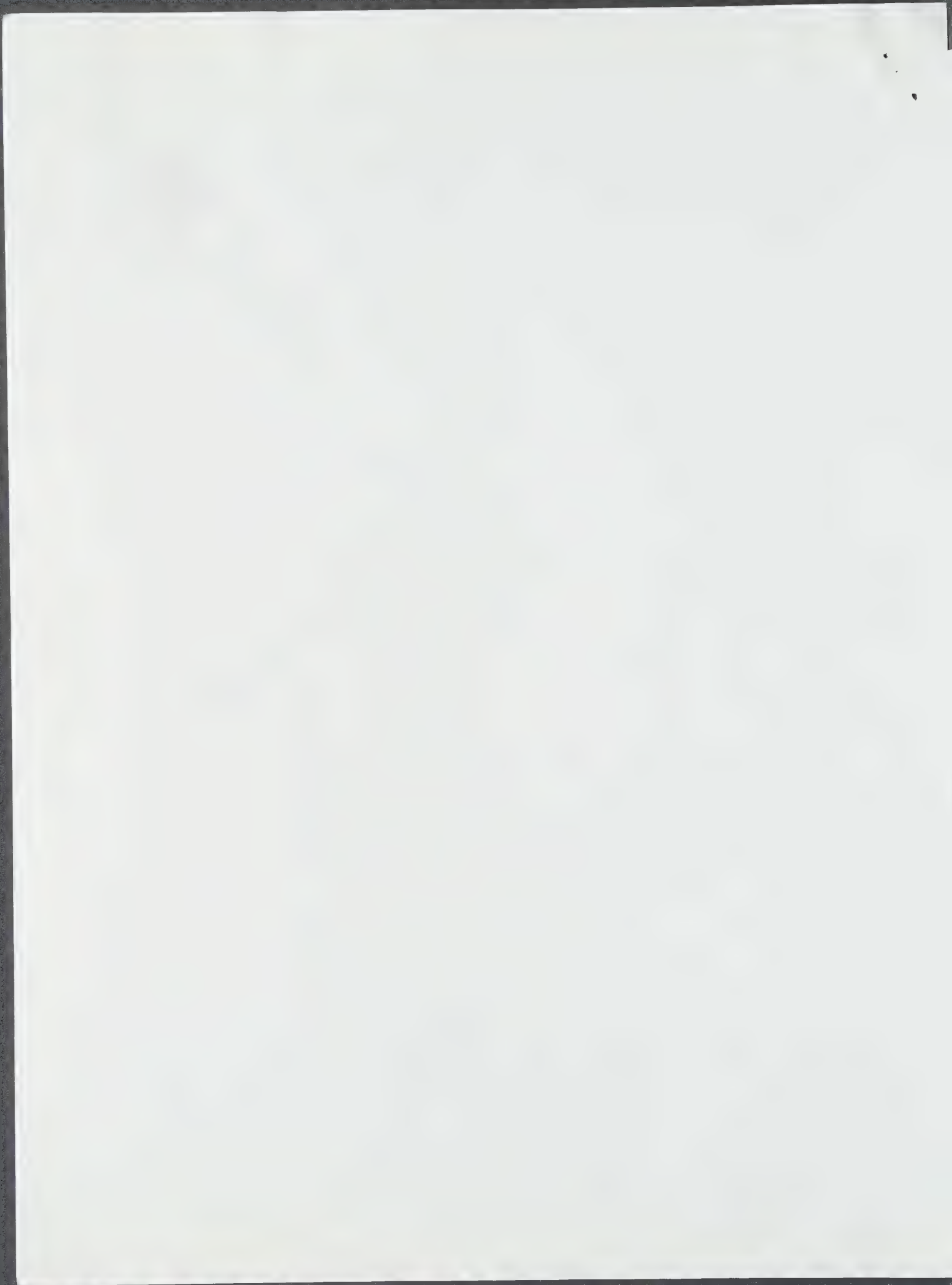
bc: Mrs. Raymond Wittcoff
Mr. and Mrs. Walter Stern



THE UNIVERSITY OF CHICAGO
LIBRARY



[Faint, illegible text, possibly bleed-through from the reverse side of the page]





American Chemical Society

Jennifer H. D'Elia
Director of Development

1155 SIXTEENTH STREET, N.W.
WASHINGTON, D.C. 20036
Phone (202) 872-4080

June 10, 1997

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

Dear Dr. Bader,

On behalf of the entire American Chemical Society, I thank you and your wife for your continued support of Project SEED through your recent generous contribution of \$5,000 for a SEED Scholarship.

As you know, your gift will be matched by ACS. Your gift and the match will enable two deserving SEED graduates to receive a Bader SEED Scholarship for their 1997-98 freshman college year. Christine Brennan will send you the names of the students as soon as they are notified and they confirm with Christine that they have been accepted by a college.

In addition, please know how grateful we are for your commitment to continuing support for SEED Scholarships in 1998 and beyond. The students who benefit may never have an opportunity to personally thank you. However, I hope that our appreciation in some small way lets you know how much this gift means not only to these individuals but to the future of chemistry and our country.

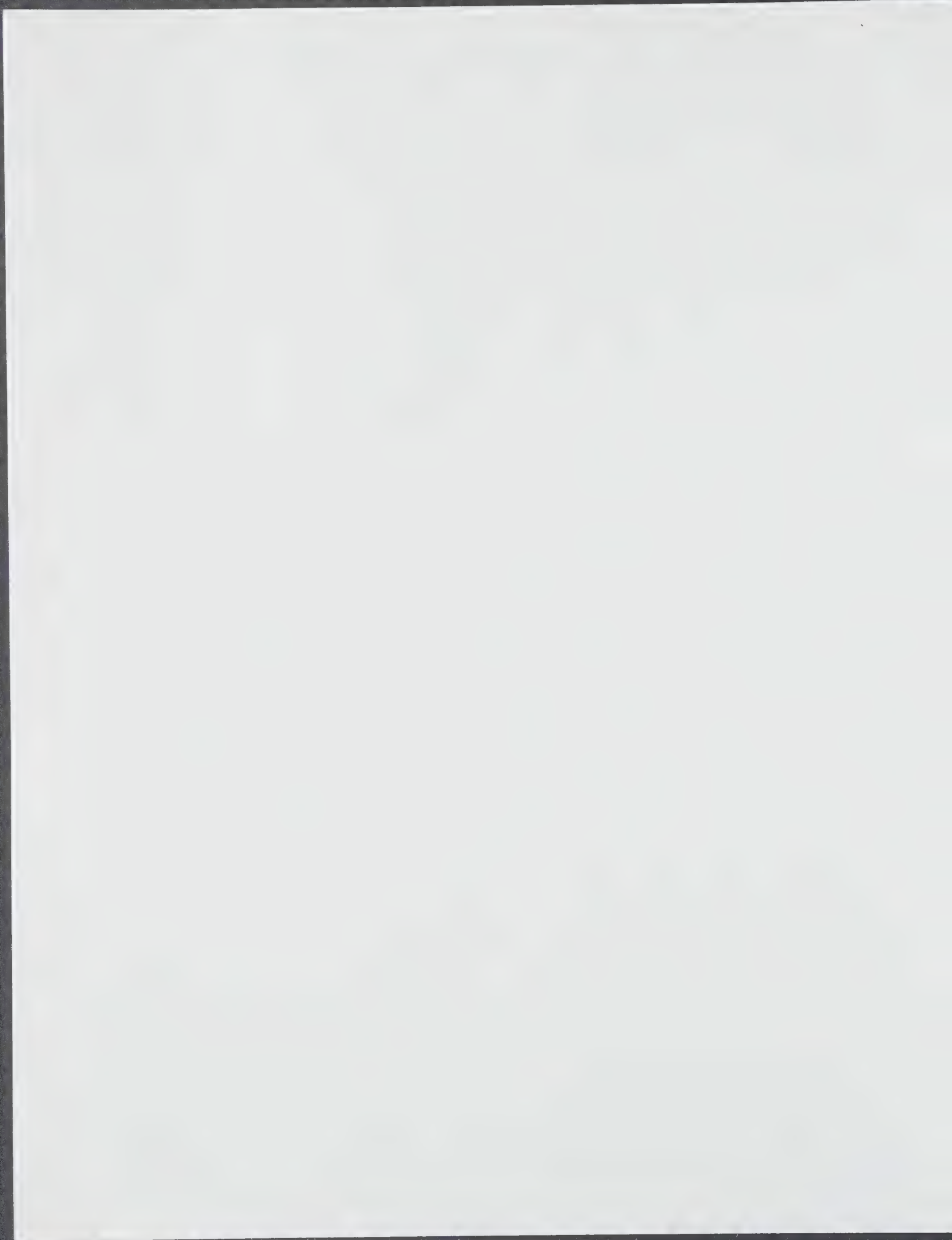
In response to you wish to support Dr. Nixon's proposal, I want you to know that I will be traveling until June 21st. However, upon my return, I will begin investigating if ACS can produce and distribute the tapes with the cautionary introduction which you propose. As you realize, this will partially depend on what it will actually cost as well as legal counsel's advice on potential liability for the Society.

Thank you once again for your commitment to ACS and our programs.

Most sincerely yours,

A handwritten signature in blue ink that reads "Jennifer".

cc: Christine B. Brennan
Pamela J. Ayre





American Chemical Society

Herbert B. Silber, *Chairman*

COMMITTEE ON PROJECT SEED
1155 16th Street, N.W., Washington, D.C. 20036
Staff Liaison (202) 872-4380

June 16, 1997

Dr. Alan C. Nixon, Chair
Senior Chemists Committee
California Local Section, ACS
511 Wells Fargo Building
2140 Shattuck Avenue
Berkeley, CA 94704-1210

Dear Dr. Nixon:

It was good to see you in San Francisco at the ACS national meeting. As Staff Liaison to the Committee on Project SEED, I appreciated your efforts to organize the symposium on Project SEED.

After seeing the episode of "Tempest in a Test Tube" at the symposium, I decided to convey my concern to you regarding your proposal for transferring the shows to video and distributing them.

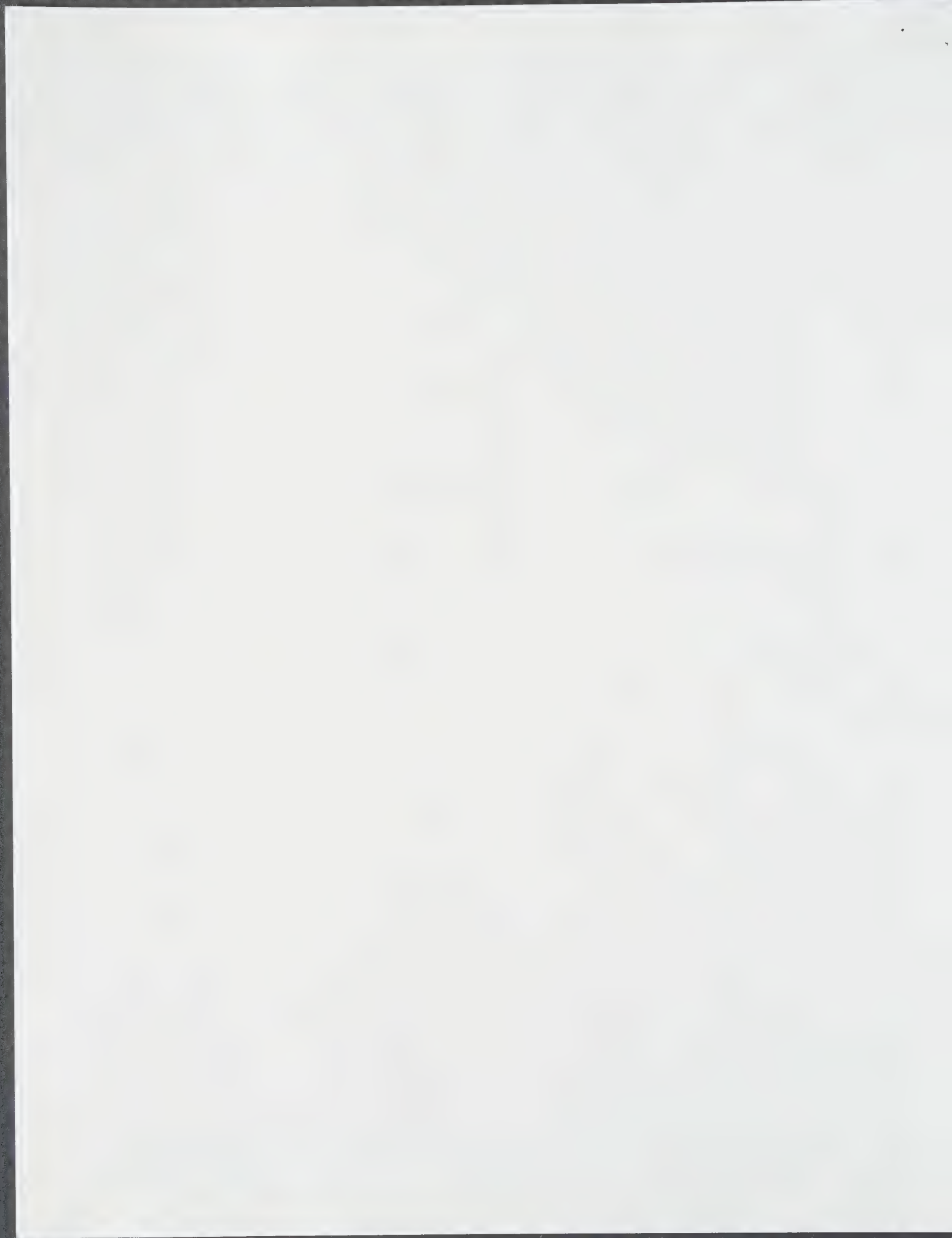
In the episode shown, Dr. Soello was not wearing safety equipment including goggles. In today's world, it is essential that presentations used in classrooms show chemists working safely. This requires wearing safety goggles, a lab coat or apron, and gloves especially when using items such as a bunsen burner and concentrated hydrochloric acid.

I am impressed with your dedication to reach schools to promote chemistry. Unfortunately, I think that the safety issues raised by "Tempest in a Test Tube" would pose a greater liability than benefit to the California Local Section and ultimately to the ACS. My recommendation is for you to consider redirecting your efforts to promote chemistry through a different project.

Sincerely,

Christine B. Brennan, Ph.D.
Staff Liaison, Committee on Project SEED

cc: Alfred Bader
Jennifer D'Elia
Martha Lester
Herb Silber
Mary Singleton
Michael Tinneland





American Chemical Society

Jennifer H. D'Elia
Director of Development

1155 SIXTEENTH STREET, N.W.
WASHINGTON, D.C. 20036
Phone (202) 872-4080

April 2, 1997

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

Dear Dr. Bader:

Learning that you will be in San Francisco on Sunday, the Executive Office asked me to extend an invitation to you and Mrs. Bader to a special chemical industry dinner to be held Sunday evening as part of the Presidential Event. In addition, there will be an Industry Forum Breakfast, open to all registrants, the following morning which may be of interest to you. Should you wish to attend either one, please either call or fax me so I may finalize arrangements.

Sarah Nash asked that I confirm that your book signing will be at Booth 911 in the Moscone Convention Center on Monday April 14th. She will be at the booth at 11:00 a.m. to ensure that everything is set up. Your book signing is scheduled from 12:00 noon-2:00 p.m.—the busiest time for the exhibit hall during meetings. Instead of including an ad in C&EN, a special mailing was sent to approximately 1,000 ACS leaders and governance. In this way, we can be sure that at least one representative from every area of ACS meeting knows about your book signing.

On another topic, as you requested, I forwarded the information regarding Dr. Nixon's proposal to Christine Brennan, the Manager of Project SEED. She in turn shared the information with several other education staff, including Sylvia Ware, Director, Education Division, and with Dr. Herbert Silber, Chair of the Project SEED Committee.

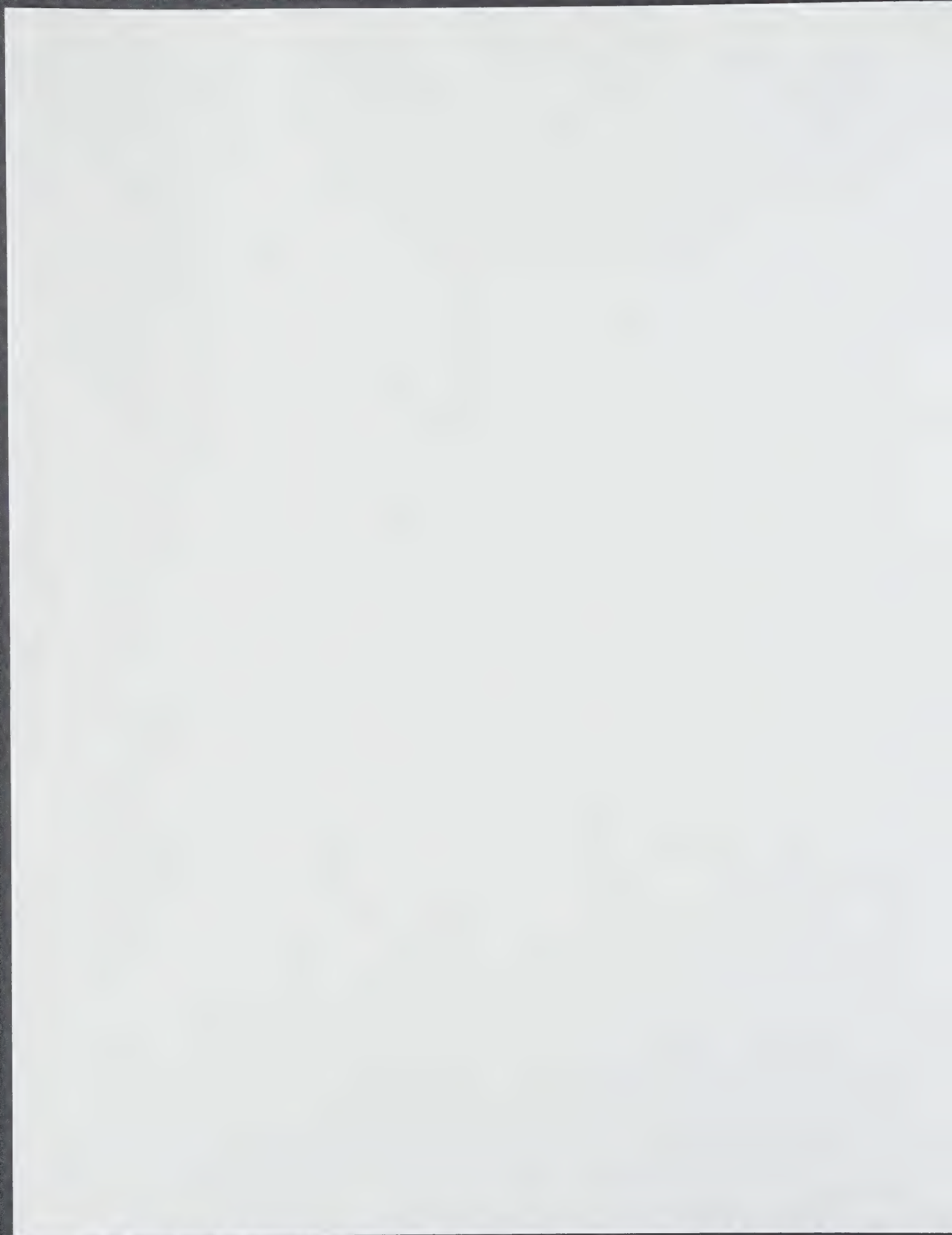
No one is familiar with *Tempest in a Test Tube* or Dr. Nixon's proposal. You should be aware that there is no plan by the ACS Education Division or the SEED Committee to expand Project SEED to the middle or elementary school level. Regrettably, no one I've contacted can shed any light on Dr. Nixon's proposal. However, Christine and Sylvia will be in San Francisco and would welcome an opportunity to talk with you about Project SEED.

Hopefully, you and Mrs. Bader will be able to attend the chemical industry dinner on Sunday evening. We look forward to seeing you in San Francisco.

Sincerely,

A handwritten signature in blue ink that reads "Jennifer".

Enclosures





FAX FROM

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

A Chemist Helping Chemists

January 13, 1997

Page 1 of 4

To: Dr. Jorge L. Colon
Fax: 787 756 7717

Dear Dr. Colon:

I just cannot understand the ACS Speaker Service - they must be terribly overworked!

Enclosed is a copy of my fax from England, of December 5, pointing out to Ms. Sarah Nash that we would not go to Puerto Rico. I also enclose a copy of my fax to Ms. Nash of January 9.

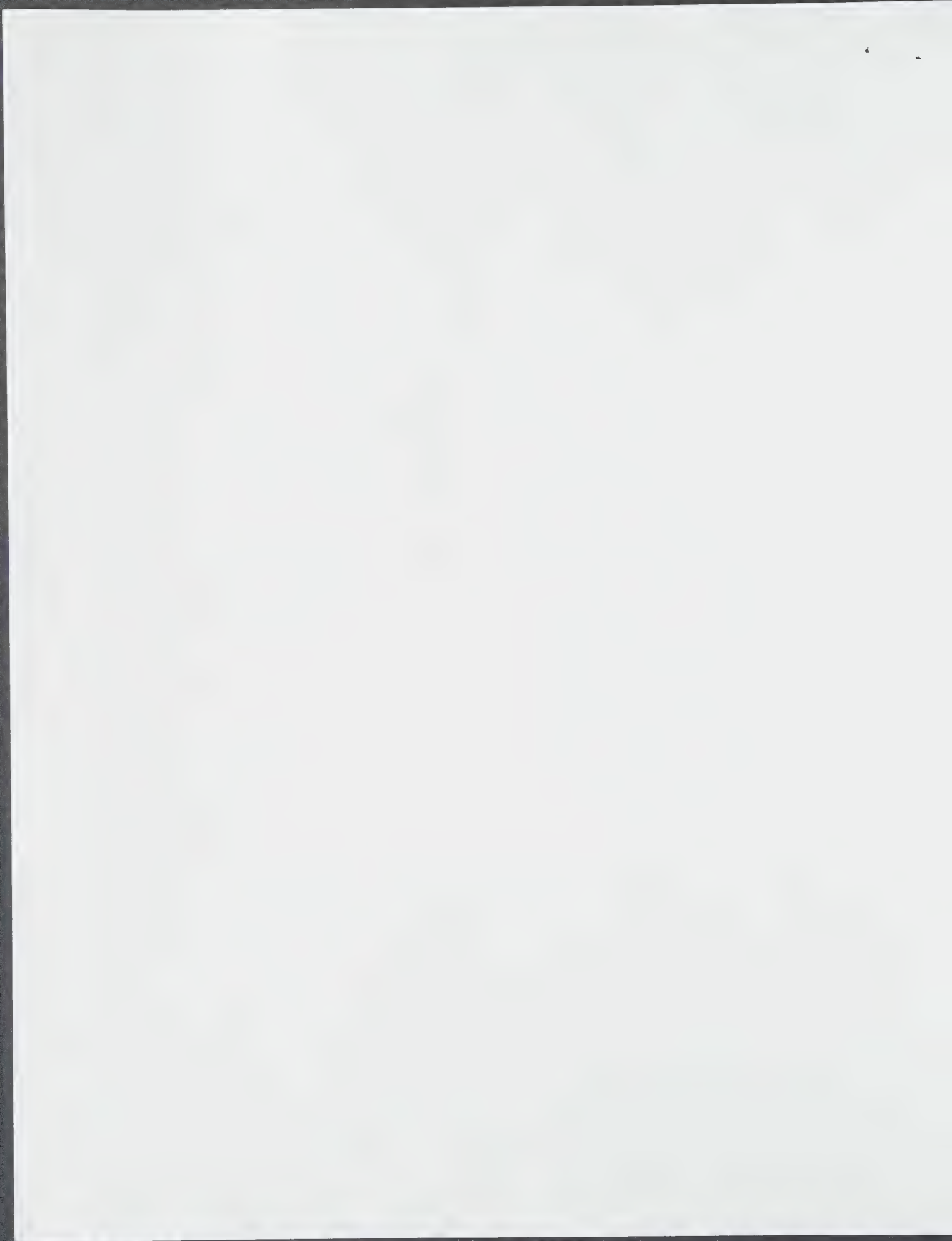
Isabel told me of your phone call and she was so impressed by your kindness. And of course she would love to come to Puerto Rico because she loves Spanish. But next month is impossible.

Please consider the following: Invite us to Puerto Rico for February 1998 but allow us to give 5-6 talks over a few days. For the ACS, talk #1 or #3 of the enclosed menu; for the Ponce Museum, talk #5 or #7; for an industry group, #5; for a church or synagogue, #4. Of course the various organizations should share expenses; I expect no honorarium.

Best wishes,


AB/nik

cc: Ms. Sarah Nash





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

A Chemist Helping Chemists

August 1, 1997

Dr. Alan C. Nixon
Wells Fargo Building
2140 Shattuck Avenue, Suite 511
Berkeley, CA 94704

Dear Alan:

I am sorry that the production of these delightful tapes presents such problems.

Do you plan to be at the Las Vegas ACS meeting?

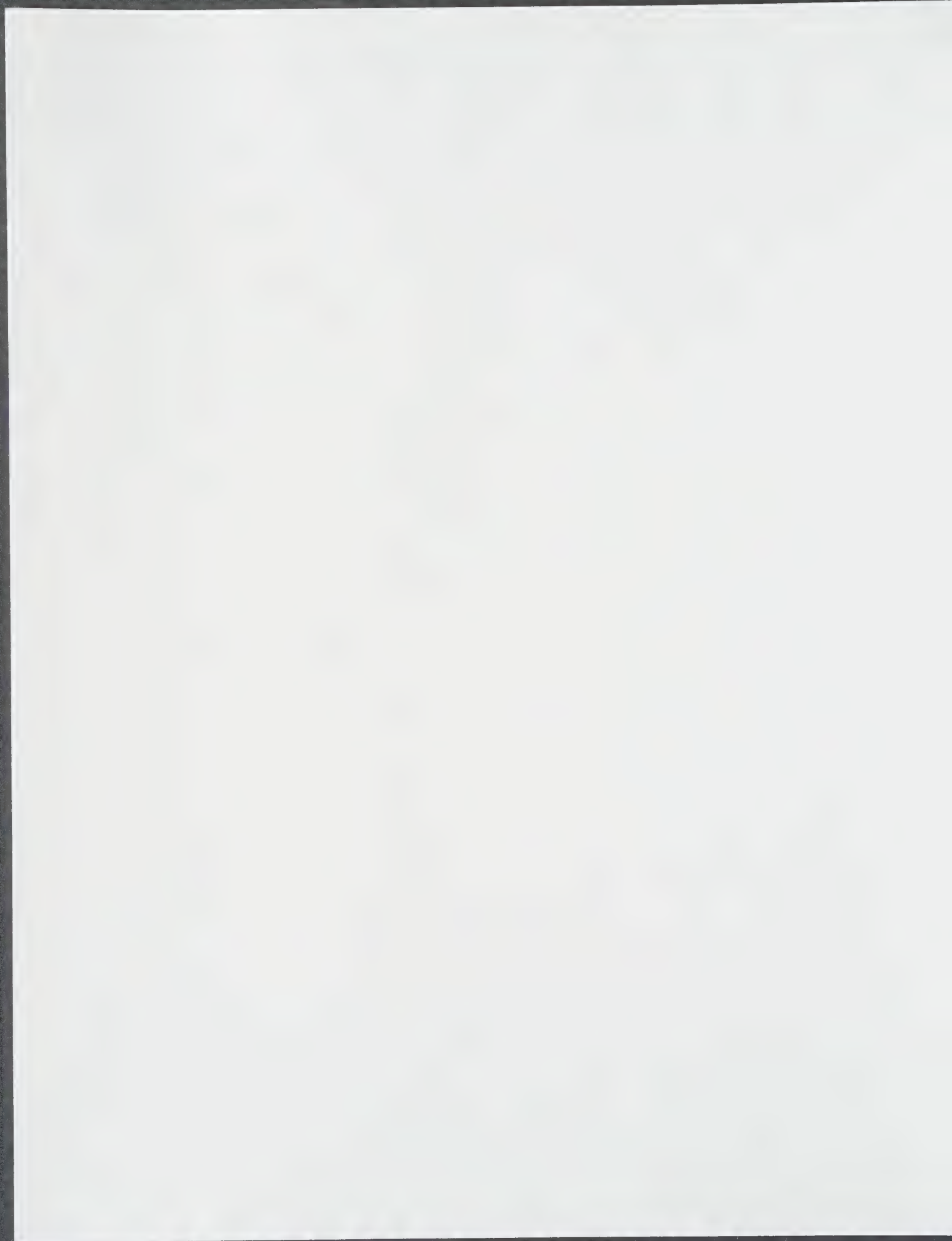
Las Vegas is the last place in the world I would want to visit, but the AIC is giving me a gold medal on Friday evening, September 5th, and I have such a big ego that I couldn't resist accepting, particularly as I am also to give a talk. You know how much I enjoy that.

We will be in Las Vegas only from Thursday evening until early Sunday morning, September 7th, staying at the Crown Plaza Hotel, where all the AIC events are taking place.

Might we be able to get together on the Saturday?

With best wishes, as always,

AB/cw





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

A Chemist Helping Chemists

April 28, 1997

Dr. Alan C. Nixon
Wells Fargo Building
2140 Shattuck Avenue, Suite 511
Berkeley, CA 94704

Dear Alan:

Isabel and I so enjoyed the San Francisco meeting. The only problem we faced was that there were so many interesting papers that overlapped. How does one choose between a paper on the beginning of Project SEED and one on Lise Meitner?

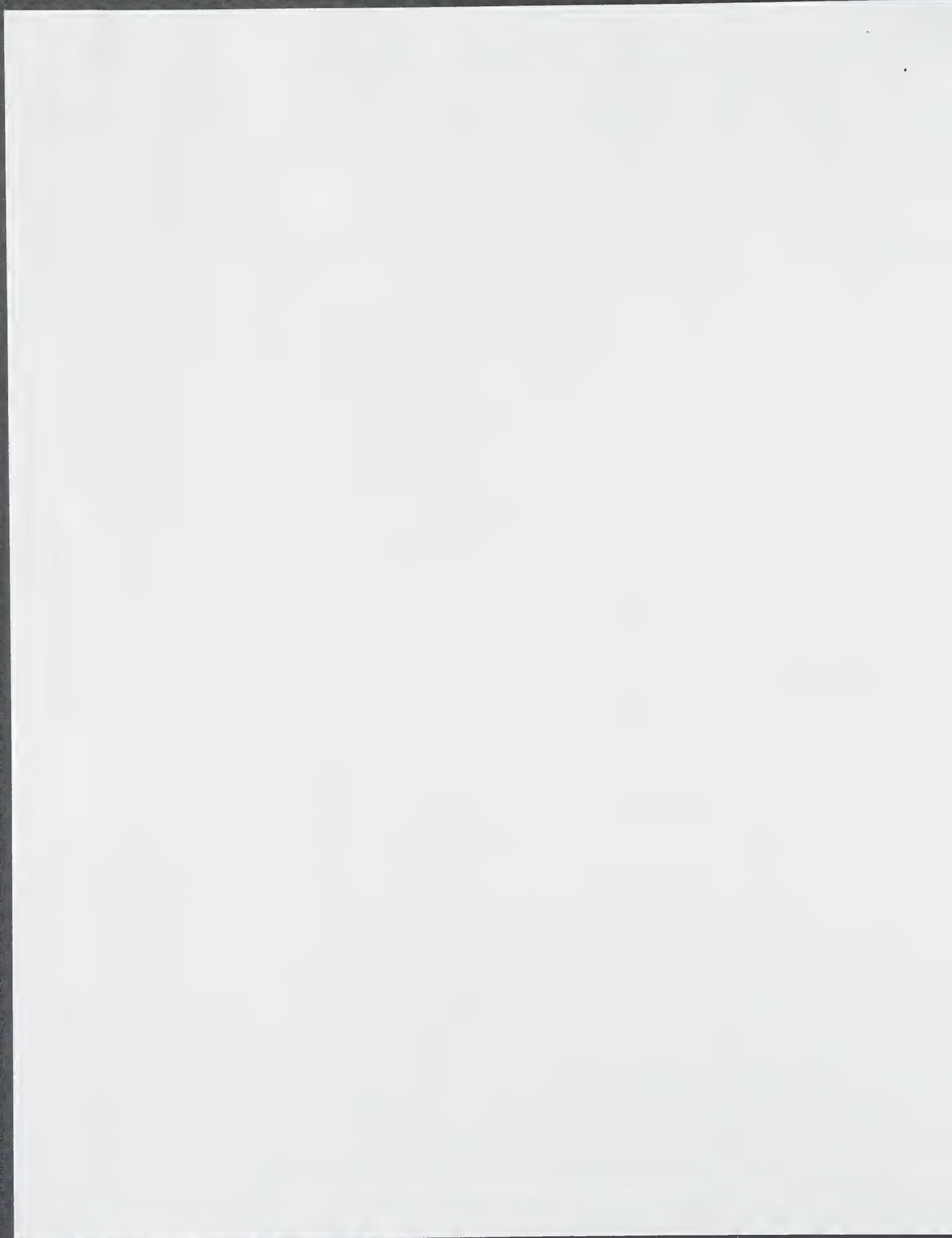
Luckily, we did not miss hearing about the great work your section and Elaine Yamaguchi are doing with Project SEED nor that wonderful selection from the 23 episodes of *Tempest in a Test tube* - mirabile dictu - explained by the very man who guided the work in 1955.

I do believe that several sets of tapes should be made: one master for the ACS archives, one of the Beckman Center in Philadelphia and others for use by the local sections, our History of Chemistry Division and others.

However, I do not believe that you could just hand the tapes to high schools and allow them to show the tapes to students.

You know what life is like today: All it takes for a lawsuit is \$30 and an unemployed lawyer. What if a student went home after seeing the tapes, tried to repeat some of the work and had an accident? A peroxide heated with an open flame, no safety glasses - exactly as I worked for my Ph.D., but not acceptable today.

Wouldn't it be great if you could make a videotape of the same man, still vigorous, only now white-haired, cautioning the viewers not to repeat the work of 1955 - and thus, making certain that each program is shown with that cautionary tape?



Dr. Alan C. Nixon
April 28, 1997
Page 2

Who owns the tapes? KQED's letter to you, written by Mary Bitterman on October 19, 1995, states that "the programs are in the possession of San Francisco State University ...". If you now made copies, can you be certain that these could be freely used without any payments to anyone?

When I read your first letter, I worried that high school students would be turned off by tapes of 1955. Kids today are so used to the latest technology. My fears were unfounded: these tapes are really exciting and it is only concern for safety that makes me question the wisdom of showing them without a strong caution.

Of course, Isabel and I would like to help. If you can:

- (1) Prepare a cautionary videotape of Jonathan Rice to accompany the tapes;
- (2) Assure that copies of the tapes can be used without charge; and
- (3) Make a number of copies of the tapes (some for the ACS, some for a variety of audiences, and one for the Beckman Center)

then we will be happy to send the ACS our check for \$5,000 "for educational purposes".

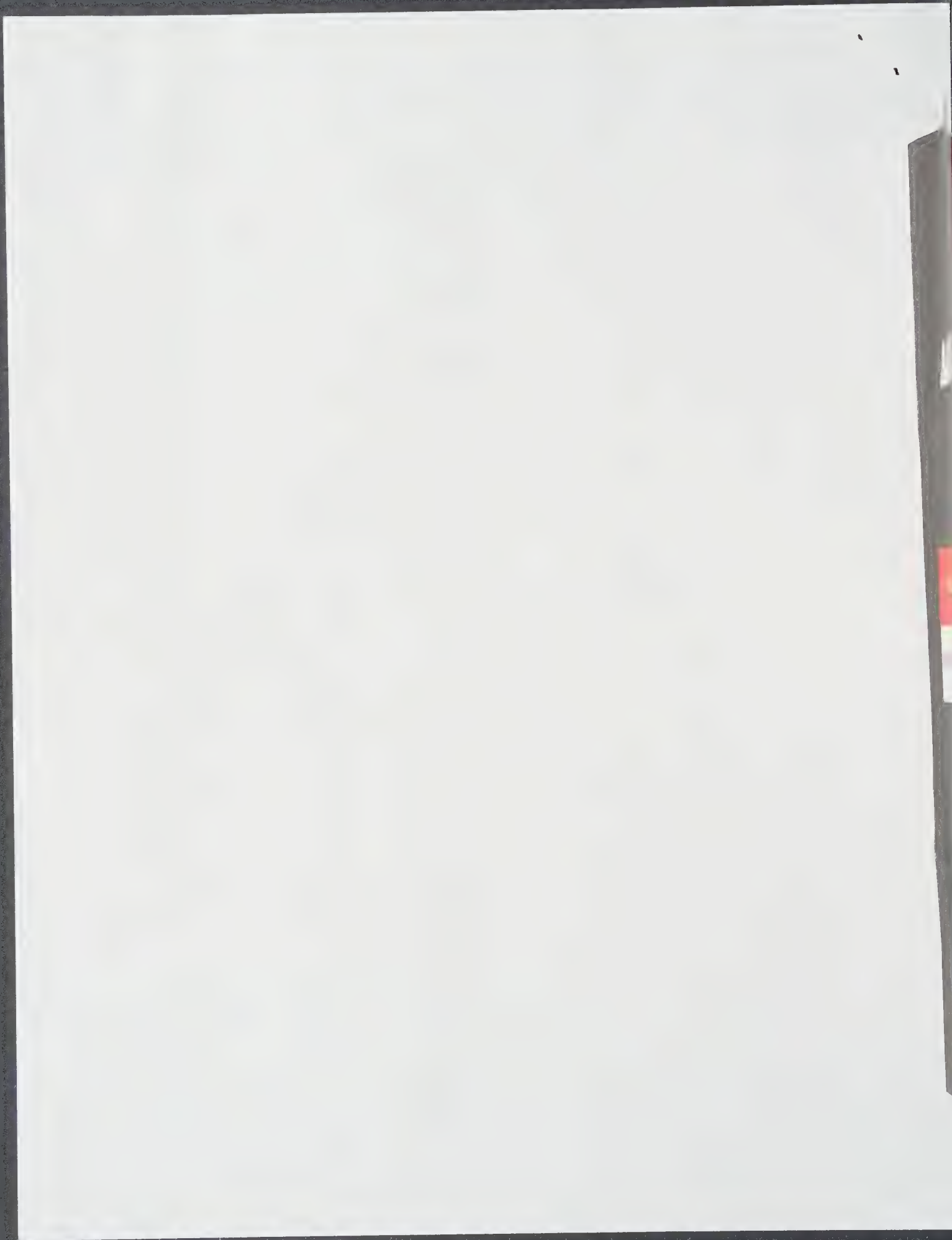
Alan, you must know that I meant it when I said in San Francisco that I wish you could be cloned.

With all good wishes, I remain,

Yours sincerely,

AB/cw

cc: Ms. Jennifer D'Elia
Dr. Arnold Thackray (w/enclosures)



AICHE

Making Money

from Emerging Technologies

DSChB



AICHE

Making Money

from Emerging Technologies

DSCHIB



**AICHE &
DSCbB**

SYMPOSIUM

Businesses based on chemical technology have provided many of the products and services associated with our modern lifestyle in the Western hemisphere. However, in a business world that is rapidly and fundamentally changing, you need to manage technology innovation and its integration into the economic mainstream in order to stay competitive.

Join us at the AICHE/DSCbB (ACS) day-long symposium, "*Making Money from Emerging Technologies*," to hear the latest thinking from business leaders and research scientists on key issues such as market identification, technology research and development and product commercialization.

SYMPOSIUM

SCHEDULE

**Wednesday
August 23, 1995**

At the
University Club
76 East Monroe
Chicago

CATALYSIS
9:00 a.m. - 10:15 a.m.

BIOTECHNOLOGY
10:30 a.m. - 11:45 a.m.

LUNCHEON
Noon to 1:30 p.m.

Keynote Address:
Dr. Alfred R. Bader
Co-Founder of Sigma-Aldrich
Winner of the
*Division of
Small Chemical Businesses
Distinguished Fellow Award*

ADVANCED SEPARATIONS
1:45 p.m. - 3:00 p.m.

**TECHNOLOGY TRANSFER &
MANAGEMENT**
3:15 p.m. - 4:30 p.m.

KEYNOTE ADDRESS &
DISTINGUISHED FELLOW AWARD

Dr. Alfred Robert Bader

Co-Founder of Sigma-Aldrich Chemical Company

Address: The Founding of Sigma-Aldrich

The award of **Distinguished Fellow** is given for meritorious service to the Division, to ACS, and to the chemical industry.

Dr. Bader was born in Vienna, Dr. Bader fled to England at the age of fourteen, ten months before the outbreak of World War II. He was then interned in 1940 and sent to a prisoner-of-war camp in Canada.

Released in 1941, he earned degrees in engineering chemistry from Queen's University in Kingston, Ontario and a fellowship in organic chemistry at Harvard. This was followed by an assignment in Milwaukee as a research chemist for PPG (Pittsburgh Plate Glass Company) and his later cofounding of Aldrich (today, Sigma-Aldrich). Sigma-Aldrich is now the world's largest supplier of research chemicals.

He also translated his love of art into collecting and owning an art gallery in Milwaukee.

His new book, *Adventures of a Chemist Collector*, has been published by Weidenfeld & Nicolson and is marketed through the American Chemical Society.

His work at Aldrich represents a unique example of technology transfer. The exchange of ideas between the university setting and Dr. Bader provided for a dynamic and vital link between academic departments and commercial success.

Introduction

Katherine E. Doolin, AIChE
Ada C. Nielsen, DSChB

The Next Step in Manufacturing Technologies

Modern catalysis is being used to reduce costs and prevent pollution from manufacturing fine chemicals and from burning natural gas combustion in gas turbines. R&D is also defining new areas of opportunity for future businesses relating broadly to the chemical process industries.

W. Robert Epperly
President, Catalytica Advanced Technologies

Niching in the Fluid Catalytic Cracking Area

Beginning with the CO Oxidation promoter catalyst used in the refinery's FCC unit, a small company has expanded its offer through licensing and proprietary development of additional additives to become a global supplier. This required constructing an additive manufacturing plant as well as its expansion.

G. Andrew Smith
Assistant Director of Sales, North America
INTERCAT

New Markets for Specialty Catalysts

Japan is the leading market for initial application of new environmental control catalysts, particularly in the consumer sector. Many highly innovative products are first introduced in Japan and then adapted abroad. By watching and learning from the Japanese environmental catalyst markets, one can exploit similar opportunities across the globe.

Patty E. Summers
Manager, Commercial Development
UOP

The Technology Development Bridge: A Unique Paradigm for Technology Transfer

After reviewing the markets for biotechnology investment in the United States, there will be a discussion of CoreTechs, which has developed and is implementing a Technology Development Bridge in Illinois. The program drives economic development by combining proactive interaction with potential inventors, high-level "switch-hitting" management, and a revolving fund for use in the generation of value adding data.

Nelson L. Levy, Ph.D., M.D.

President, CoreTechs

The Application of Biotechnology to "Green" Chemicals & Pollution Prevention: Partnering by Government & Industry

The widespread application of biotechnology to industrial and environmental processes will require linkages of many technologies and disciplines. New applications in biotechnology will benefit from government/industry partnerships.

James R. Frank, Ph.D.

*Manager, Waste Management & Bioengineering Section,
Argonne National Laboratory*

Building a Gene Therapy Business Through Partnerships

Gene therapy is an industry in its infancy. This presentation will address the challenges of building this business within a large corporation as well as discussing Baxter's strategy. It will contemplate the strategic issues of investment, risk management, and partnership.

Cynthia Collins

*Vice President Business Development
Gene Therapy Division, Baxter International*

Choosing the Level of Agricultural Biotech You Need to Generate Profits

Biotech in the real world can range between selected breeding and gene insertion; breeding assistance uses biotech as well. Choosing the least expensive way to produce enhanced crops can speed your products to market and reduce excessive costs. This means you must know precisely what you want biotech to do.

Frances R. Katz

*Vice President, Research
American Maize Products Company*

Osmonics' Approach to New Product Development

Osmonics has developed many new applications and products using membranes and other filter media (in reverse osmosis and ultrafiltration). There will be a review and a discussion regarding the Osmonics approach to finding new products and developing a product-oriented growth strategy.

D. Dean Spatz

Chairman & CEO, Osmonics

Chromatographic Resolution: the Quickest Way to Obtain Pure Enantiomers from a Racemic Mixture

Recent advances in HPLC process technology, chiral stationary phases, and equipment have established this separation/purification technique as a viable process option for pilot and production scale operations, capable of metric ton production.

Thomas B. Lewis, Ph.D.

*President & CEO
Chiral Technologies, Inc.*

Application of Empore™ Solid Phase Extraction Membrane Systems to Advanced Separation Problems

The application of these membrane systems has been extended from sample preparation devices to solve complex separation problems for larger scale remediation projects. The separation capability of particle loaded membrane systems will be explored in the context of commercialization of new technologies and new platforms for growth at 3M.

David A. Sanders, Ph.D.

*Department Manager, 3M New Products Department
Industrial and Consumer Sector, Research and Development*

Catalytic Asymmetric Oxidations: From the Academic Laboratory to the Manufacturing Plant

Increasing use of chirality in the development of new drug candidates requires cost-effective technologies to manufacture chiral compounds in single-enantiomer form. This presentation will describe the process development and scale-up of two important technologies using catalytic asymmetric oxidation: Sharples dihydroxylation and Jacobsen epoxidation.

Paul van Eikeren, Ph.D.

*Vice President, Research and Development
SeptraChem Inc.*

A Small Business Perspective of Technology Transfer & Commercialization

Significant attention has been garnered by those promoting technology transfer from universities and government laboratories, but much less focus has been placed on what occurs as a result of technology transfer. This presentation will explore the differences between technology transfer and commercialization from a small business perspective.

Scott Wallace

President, Eichrom Industries, Inc.

Identifying & Commercializing Innovative Technologies from Scientific Research

ARCH Development Corporation was conceived as a unique mechanism to commercialize publicly funded research. The speaker will discuss how innovative technologies are brought into the economic mainstream.

Thomas L. Churchwell

President & CEO, ARCH Development Corporation

Getting Noticed: What Venture Capitalists Want to See in Your Business Plan

Venture capitalists may have to review hundreds of business plans for every one in which they invest. You can stand out in the crowd by understanding what venture capitalists are looking for and how to present your business plan so that your message gets across.

Thomas E. Parkinson

Executive Director, Evanston Business Investment Corporation,

The Role of the Small Custom Chemical House in Assisting Companies Bring New Technology to Market

Small custom chemical companies can reduce the effort, time, and high expense for new technology process development by providing knowledgeable people and multipurpose equipment. This reduces the new technology owner's need for in-house capital and labor resources.

Robert A. Dollinger

*Business Development Manager, Pressure Chemical Co.
Chairman, Division of Small Chemical Businesses*

SYMPOSIUM**ABSTRACTS**

All attendees of the Symposium will receive a copy of the titles and abstracts of the talks and the biographies of the speakers.

**Abstracts
Available**

If you are interested in receiving a copy but will not be attending the Symposium, you may order the Abstracts from the registration form. They will be mailed out shortly after August 23.

All registration forms must include a check made out to AIChE for the full amount. No refunds will be made after August 8, although a substitute may attend after that date.

Organizers

For any other questions, please contact

Kit Doolin (708) 961-9882
AIChE

or

Ada C. Nielsen (708) 234-3466
DSCbB

SYMPOSIUM**REGISTRATION**

COMPLETE
THIS FORM
AND RETURN TO:

DSCChB
(American Chemical Society)
Post Office Box # 31
Lake Forest, IL 60045

Abstracts

- Please register me for the one-day symposium, *Making Money from Emerging Technologies*, August 23, 1995, in Chicago, Illinois.
- I am a member of AIChE. Enclosed is payment of **\$150** before August 8.
- I am a member of AIChE. Enclosed is payment of **\$175** after August 8.
- I am a member of DSCChB. Enclosed is payment of **\$150** before August 8.
- I am a member of DSCChB. Enclosed is payment of **\$175** after August 8.
- I am not a member of either organization. Enclosed is payment of **\$175** before August 8.
- I am not a member of either organization. Enclosed is payment of **\$200** after August 8.
- I cannot attend the Symposium, but would like to receive a copy of the Abstracts.
- I am a member of either AIChE or DSCChB. Enclosed is payment of **\$100** for a copy of the Abstracts, to be mailed after August 23.
- I am not a member of either organization. Enclosed is payment of **\$125** for a copy of the Abstracts, to be mailed after August 23.

FIRST NAME LAST NAME

JOB TITLE

COMPANY/AFFILIATION

ADDRESS

CITY

STATE

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CHECK ENCLOSED IN THE AMOUNT OF \$

**Checks payable to
"AIChE, Chicago Section"**

Organizers:
Kit Doolin, AIChE,
(708) 961-9882; (708) 961-9863 fax

Ada Nielsen, DSCChB,
(708) 234-3466; (708) 234-4134 fax

No refunds after August 8, 1995

American Institute of Chemical Engineers &
Division of Small Chemical Businesses

American Chemical Society
Post Office Box Box 31
Lake Forest, Illinois 60045

Making Money

from Emerging Technologies

REGISTRATION INFORMATION ENCLOSED

*Register by
August 8
to ensure a
place.
Reservations
are
limited!*

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

February 22, 1994

Mr. Michael Heylin, Editor
C & E News
American Chemical Society
1155 - 16th Street, N.W.
Washington, D.C. 20036

Dear Michael:

This letter is not for publication, just a query and perhaps a suggestion.

Did C&E News report that Fisher Scientific purchased Janssen Chimica (formerly known as Aldrich-Europe) in Belgium and also the research chemicals division of Eastman? I believe both purchases were made last December.

From 1919 to the mid-fifties, Eastman had a near monopoly in the research chemicals field. Hence, its demise might be worth a feature article in C&E News, of interest to many older chemists.

Best wishes, also to Ernie Carpenter.

Sincerely,





FAX TRANSMITTAL SHEET

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

July 13, 1994

TO: Mr. Ernie Carpenter
American Chemical Society
FAX: 202/872-6337

Dear Ernie:

Could I ask you for your help with the following: I have seldom seen a sillier letter to *C&E News* than that of Jay Sonenthal on page 5 of your March 20th issue. *

Could you please tell me whether the writer is a man or a woman, a member of the American Chemical Society and whatever other information you can give me without breaking any confidentiality.

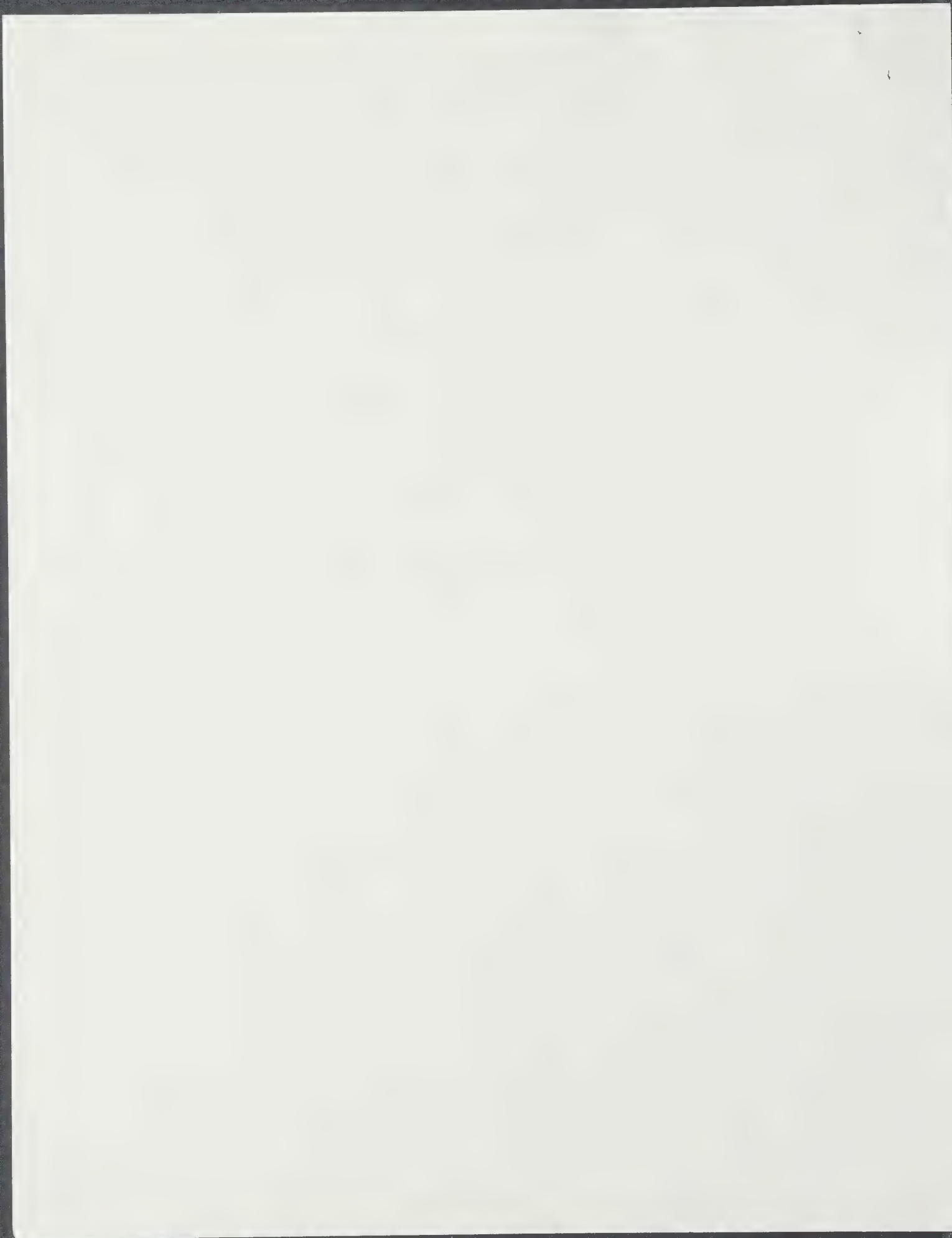
Will I see you at the ACS meeting in Anaheim? If so, it will be a pleasure to show you the first copy of my book, which the ACS has now decided to market.

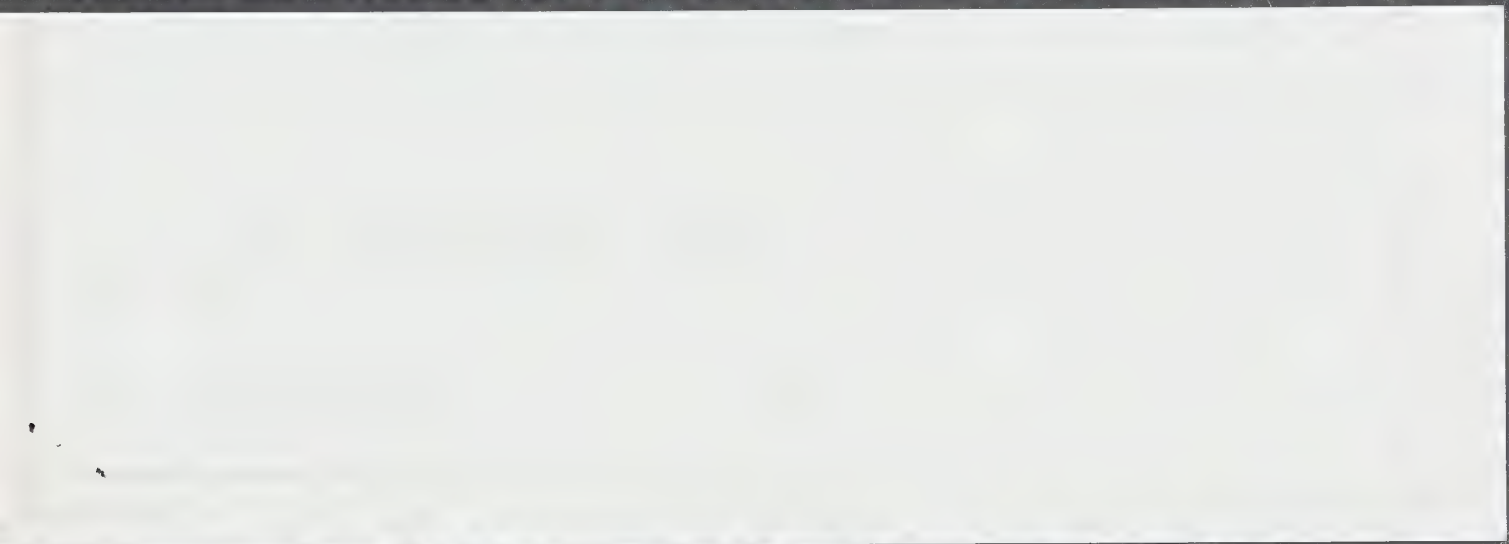
With all good wishes, I remain,

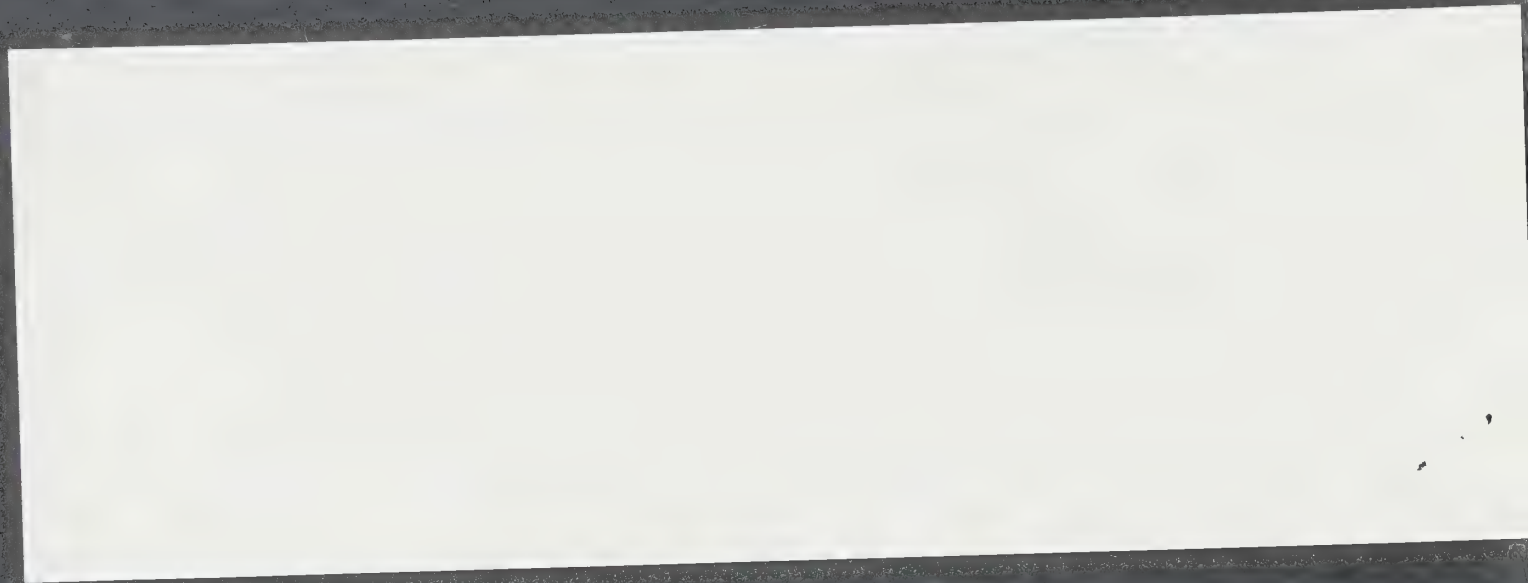
Yours sincerely,

AB/cw

* I would like to
write a letter to
the editor.







FAX FROM



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

A Chemist Helping Chemists

November 1, 1995

TO: Mr. Ernest L. Carpenter
Assistant Managing Editor, *C&E News*
FAX: 202/872-6337

Dear Ernie:

You probably know what authors are like: Always looking forward to book reviews.

Do you know when *C&E News* will be printing your review?

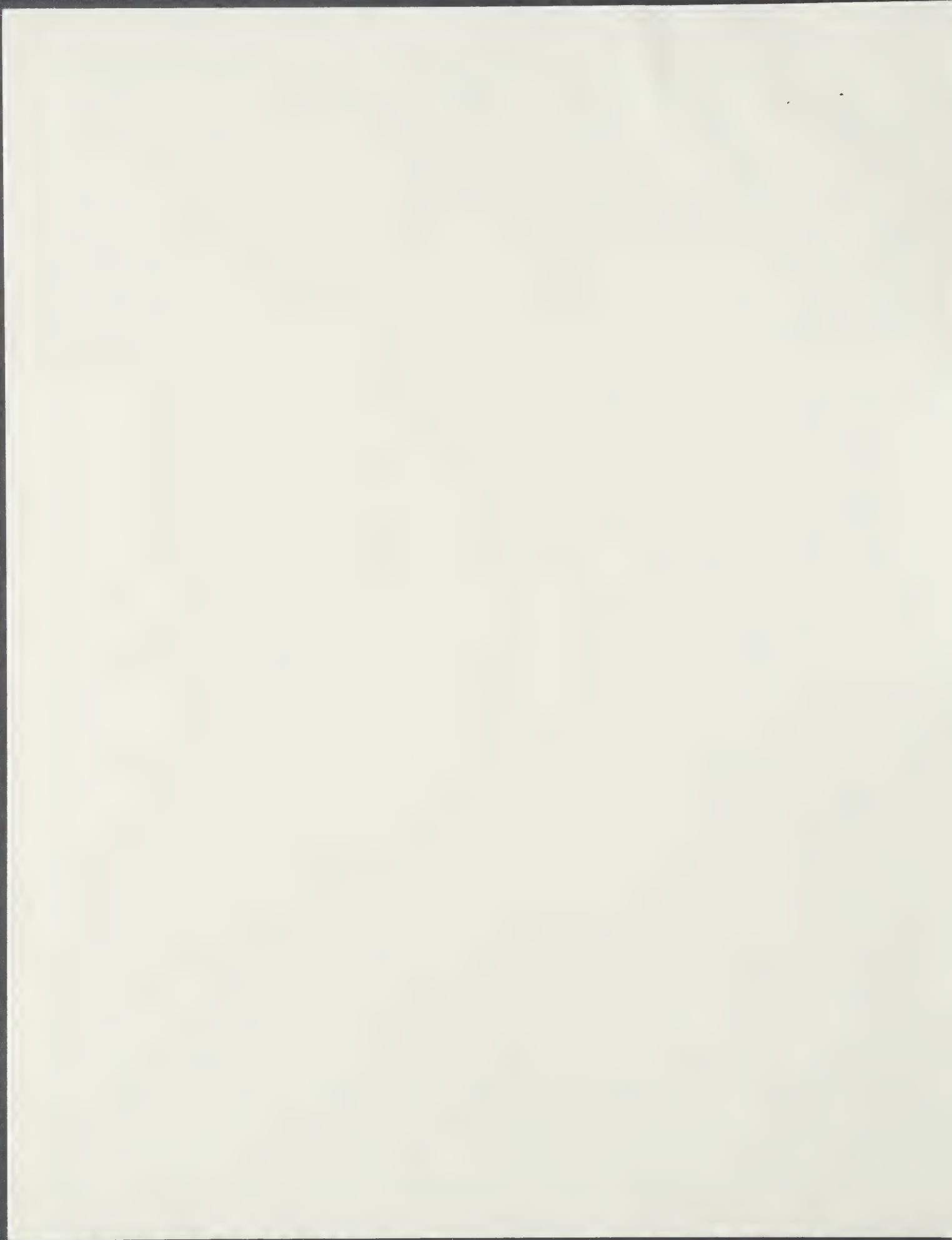
Isabel and I plan to fly to England on November 13th and return on December 24th. I plan to give all sorts of lectures at English chemistry departments and, of course, don't want to miss seeing your review.

I know that you will understand.

With all good wishes, I remain,

Yours sincerely,

AB/cw



TRANSMISSION REPORT

FROM: HENRY D BAKER FINE ART 4140 10000

SENT

RECEIVER

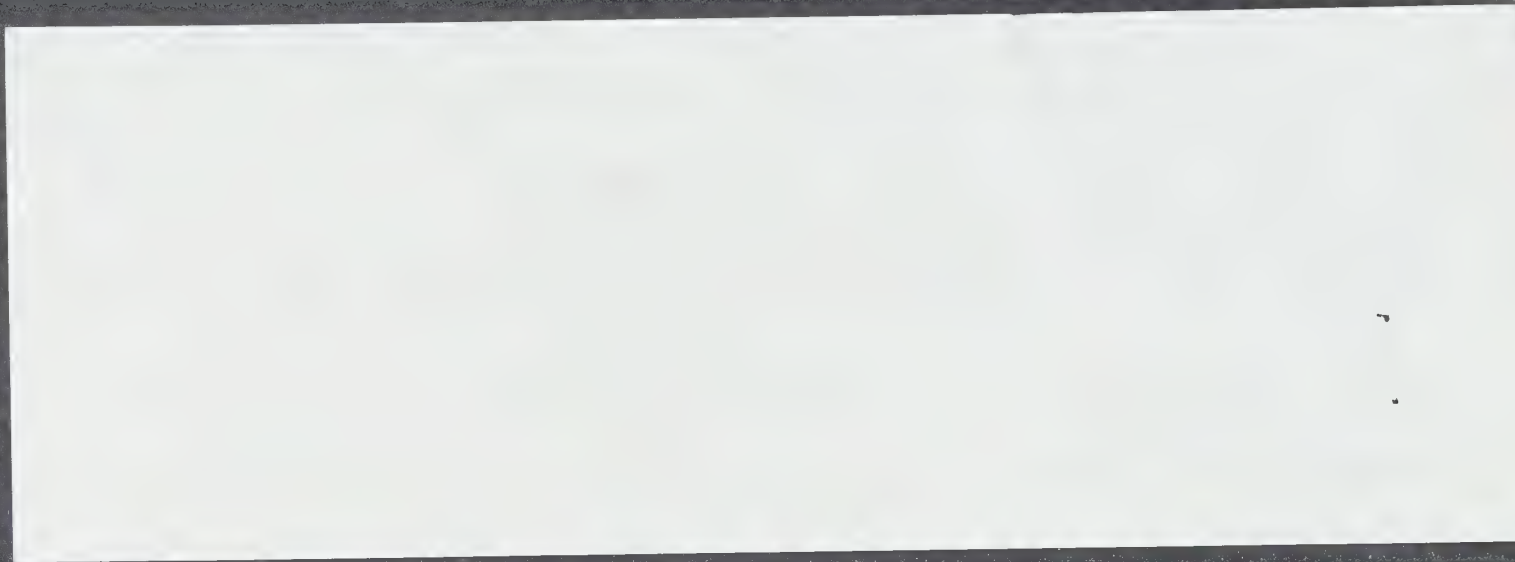
PAGES

NOTE

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OF



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

A Chemist Helping Chemists

April 21, 1994

C&E News
1155 - 16th Street, N.W.
Washington, D.C. 20036

Dear Sir or Madam:

As you will be able to imagine, I enjoy reading *C&E News*, from cover to cover.

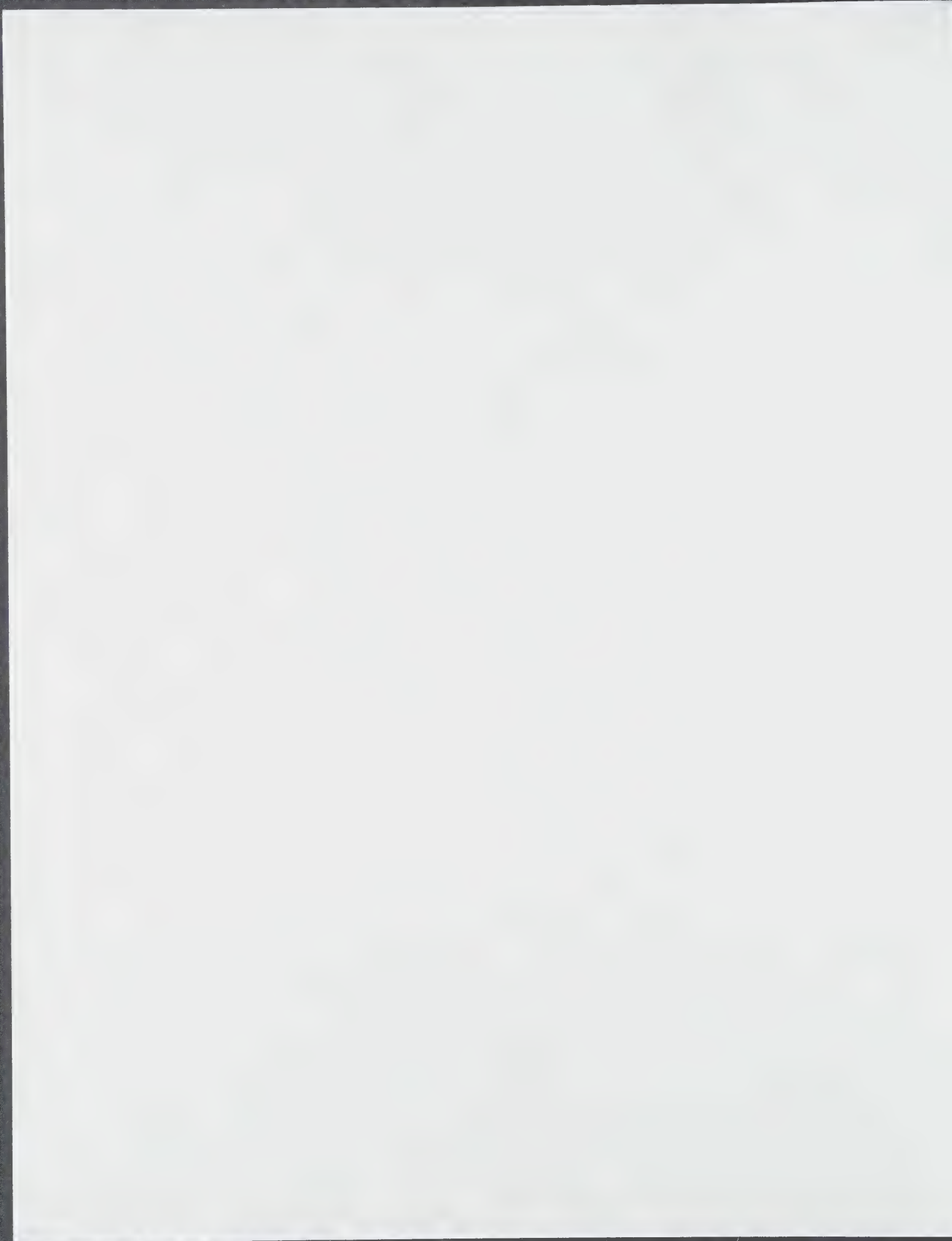
I received your August 14th and August 28th issues, but not that of August 21st. It probably got stuck in the morass in the Chicago post office.

Would you please send me an August 21st replacement?

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

Yours sincerely,

AB/cw



FAX TRANSMITTAL SHEET

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

April 17, 1995

TO: Mr. Ernie Carpenter
American Chemical Society
FAX: 202/872-6337

Dear Ernie:

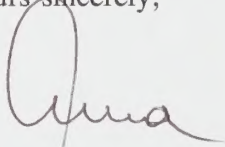
I am afraid that our many travels and the burden of completing the book have made me careless of details.

In the Parsons Award address, there were at least two serious errors, one in the title and the other in the spelling of Humphry Davy's name.

One would think that a fellow as interested in the history of chemistry as I am would not misspell so badly!

With all good wishes, I remain,

Yours sincerely,



AB/cw



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