

Alfred Baber Fonds

Correspondence

Illinois (Southern) University
Carbondale 1992-1996

QUEEN'S UNIVERSITY ARCHIVES	
LOCATOR	5095.5
BOX	5
FILE	24

PaineWebber

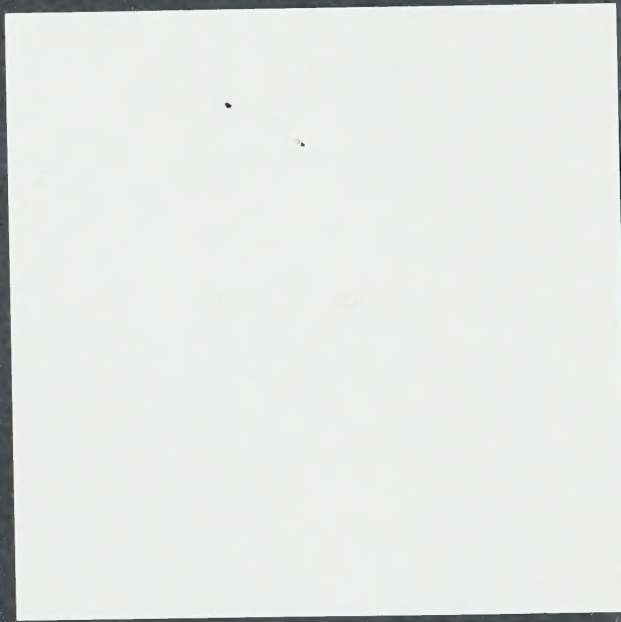
Invest With More Intelligence.

Bring up

May 23

unless paid?

early





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

Fax to 618-
692-3556

A Chemist Helping Chemists

To Prof. Virginia Bryan
Chemistry, SIUE

6 pm
19. IV 96

Dear Virginia:

2 pages

We arrived home safely.

Thank you for 3 great days!

Our travel expenses were

2 x 390 miles @ 30¢	234.-
tolls around Chicago	3.50
4 lunches (Tues. & Fri.)	<u>16.80</u>
	<u>254.30</u>

Copy of P.O. attached.

Best wishes

Alfred





Purchase Order
 Southern Illinois University at Edwardsville
 Edwardsville, Illinois 62026-1012
 (618) 692-3255

Mark all Invoices & Packages with these #'s:

P.O. #: 646148
 Requisition #: 4209-6-6154
 Buyer: 6
 Order Date: 04/12/96
 Delivery Date: 04/18/96

SHIP TO: 003-3
 Contractual Services

VENDOR:
 BADER ALFRED
 924 E JUNEAU AVE SUITE 622
 MILWAUKEE WI 53202

Ship From/Ship Via:

FOB Point:

Vendor FEIN Number:

Terms:

3982886640000102

Net 30

- INSTRUCTIONS:**
1. Packing list must accompany all shipments.
 2. No changes in this Purchase Order may be made except on instructions from the undersigned.
 3. Submit all invoices in TRIPLICATE to address at right.

Southern Illinois University at Edwardsville
 Disbursements Office, Box 1003
 Edwardsville, Illinois 62026-1003

Item No.	Description	Quantity	Unit	Unit Price	Total
	Provide payment for reimbursement of milage expense for speaker Alfred Bader, appearing in a program sponsored by the SIUE Chemistry Club April 16-18, 1996 at SIUE				200.00
	ESTIMATED TOTAL:				200.00
	780 miles a 30¢ of tolls meals				234.00 3.50 16.80 <hr/> 254.30
				<i>Qua Bader</i>	
				19 IV 96.	

APPROVED: BOARD OF TRUSTEES OF
 SOUTHERN ILLINOIS UNIVERSITY AT EDWARDSVILLE

BY: *Dm. Stahlheber*

For Director of Procurement
 Southern Illinois University at Edwardsville

Vendor Copy

* * * * *

TRANSACTION REPORT

FOR: ALFRED BADER FINE ARTS 4140770709

SEND

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RECEIVER

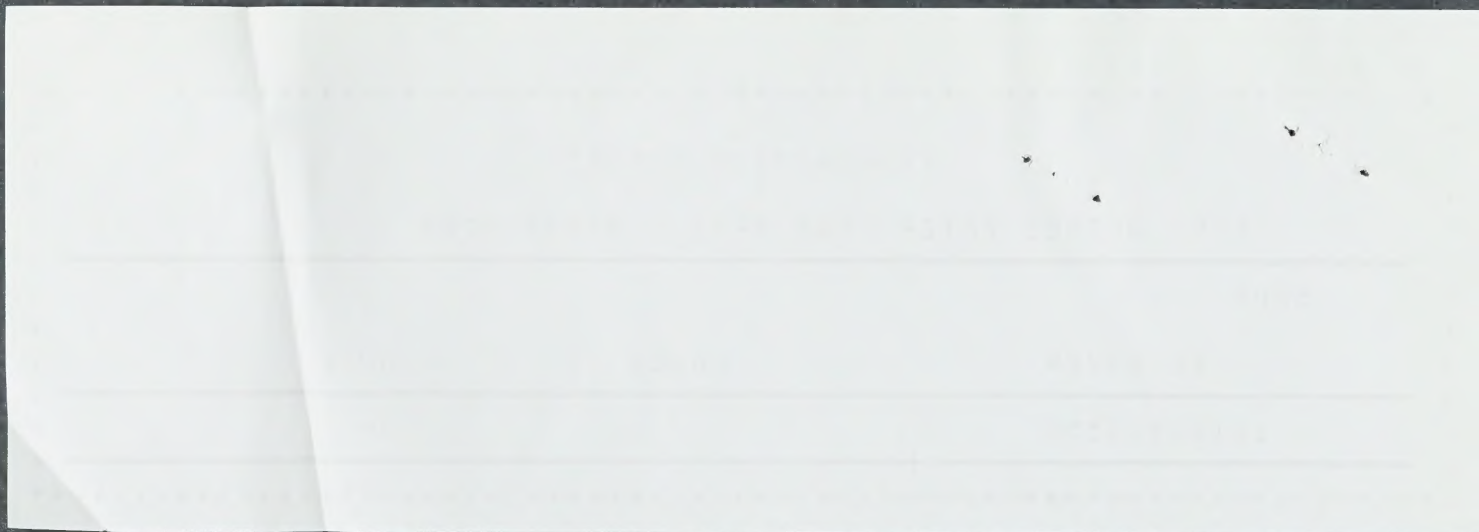
PAGES

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OK



The Department of Chemistry and the Chemistry Club
Announce the Twentieth Annual

WILLIAM I. PROBST MEMORIAL LECTURE

Dr. Alfred Bader

Founder, Aldrich Chemical Company

"Adventures of a Chemist Collector"

Wednesday, April 17, 1996

8:00 p.m., Science Building Room 3114

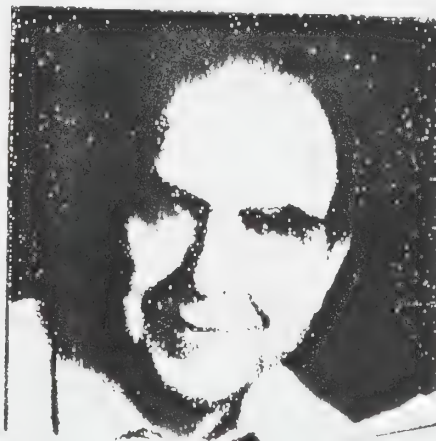
Additional Seminars by Dr. Bader:

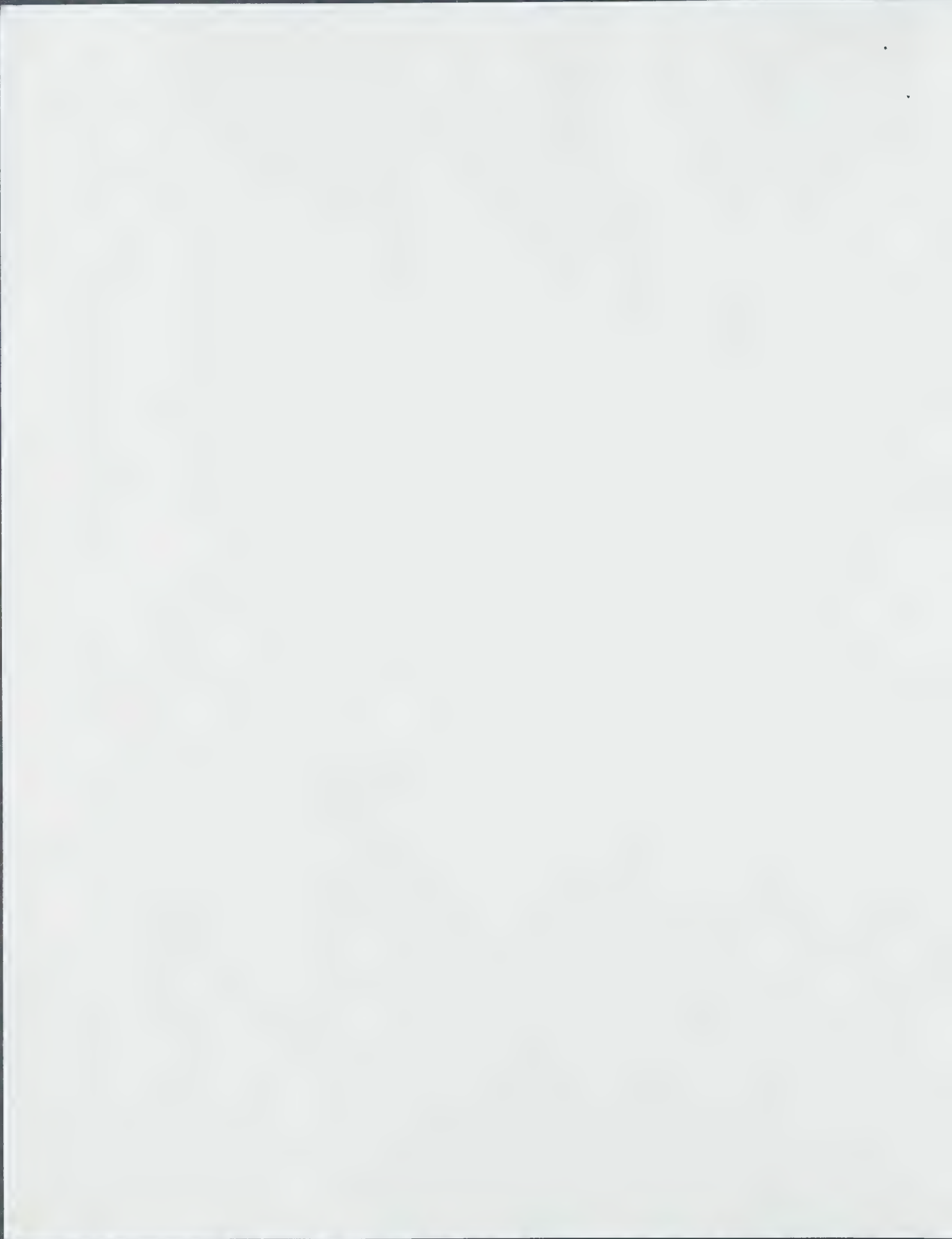
"The Rembrandt Research Project"

Tuesday, April 16, 7:30 p.m.
Lovejoy Library Auditorium

"History of Aldrich Chemical Co."

Wednesday, April 17, 3:30 p.m.
University Center, Maple-Dogwood Room





*The Faculty of Chemistry
cordially invite you to attend dinner
Tuesday, April 16, 1996
5:30 p.m.
The University Center Restaurant*

*Our distinguished guest of honor is
Dr. Alfred Bader
art entrepreneur, historian
and founder of Aldrich Chemical Company*

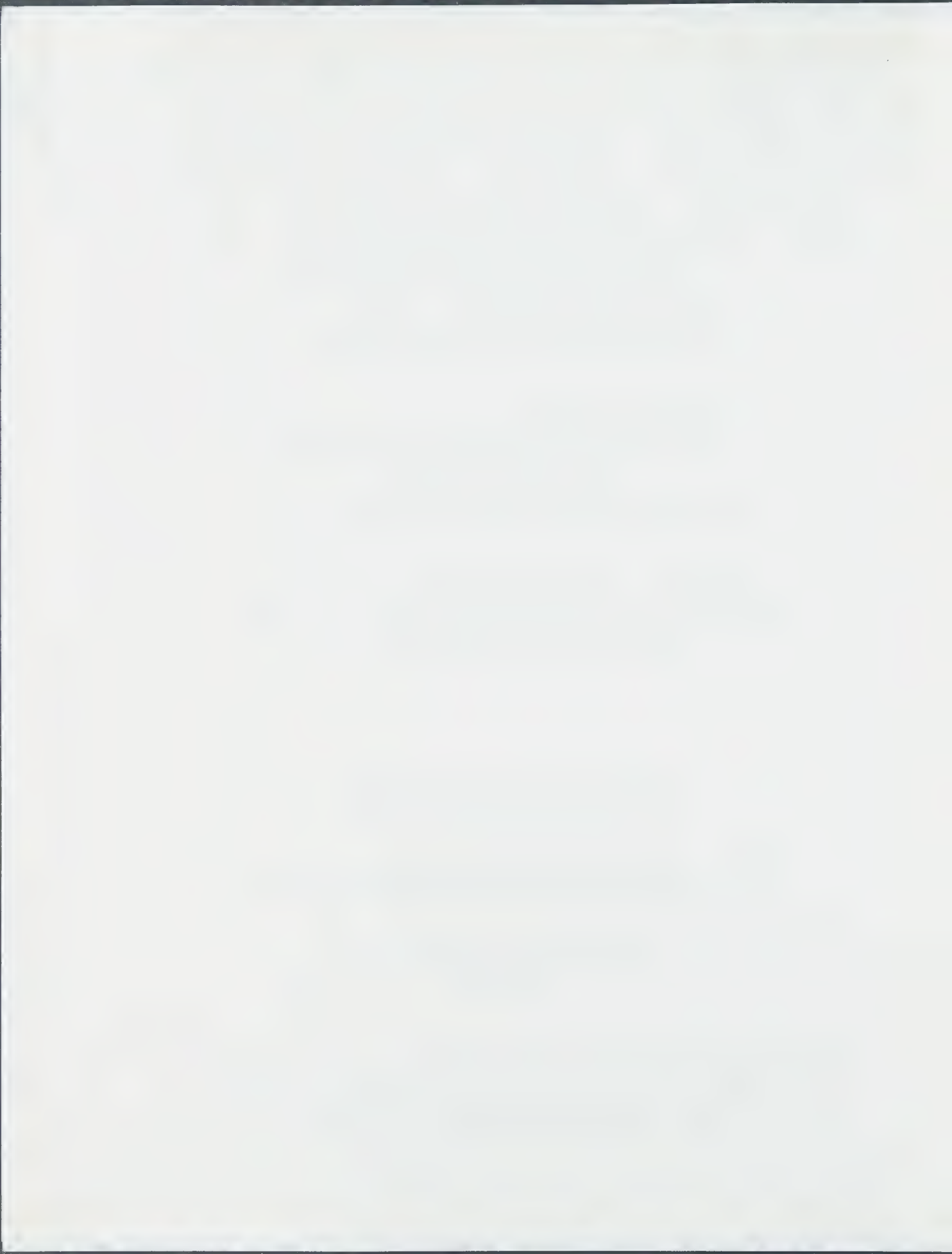
*R.S.V.P. by April 9, to Dottie (692-2042),
with choice of Shrimp and Vegetables Stir Fry or
Chicken and Vegetables Stir Fry.*

*Dinner will be followed by the
Dr. Bader's seminar*

"The Rembrandt Research Project"

*Lovejoy Library Auditorium
7:30 p.m.*

*Dr. Bader will have copies of his book available for sale
and will be available for questions and book signings
at the reception following the seminar.*



*The Faculty of Chemistry
cordially invite you to attend dinner
Wednesday, April 17, 1996
5:30 p.m.
Hickory Room - University Center*

*Our distinguished guest of honor is
Dr. Alfred Bader
founder of Aldrich Chemical Company,
art entrepreneur and historian.*

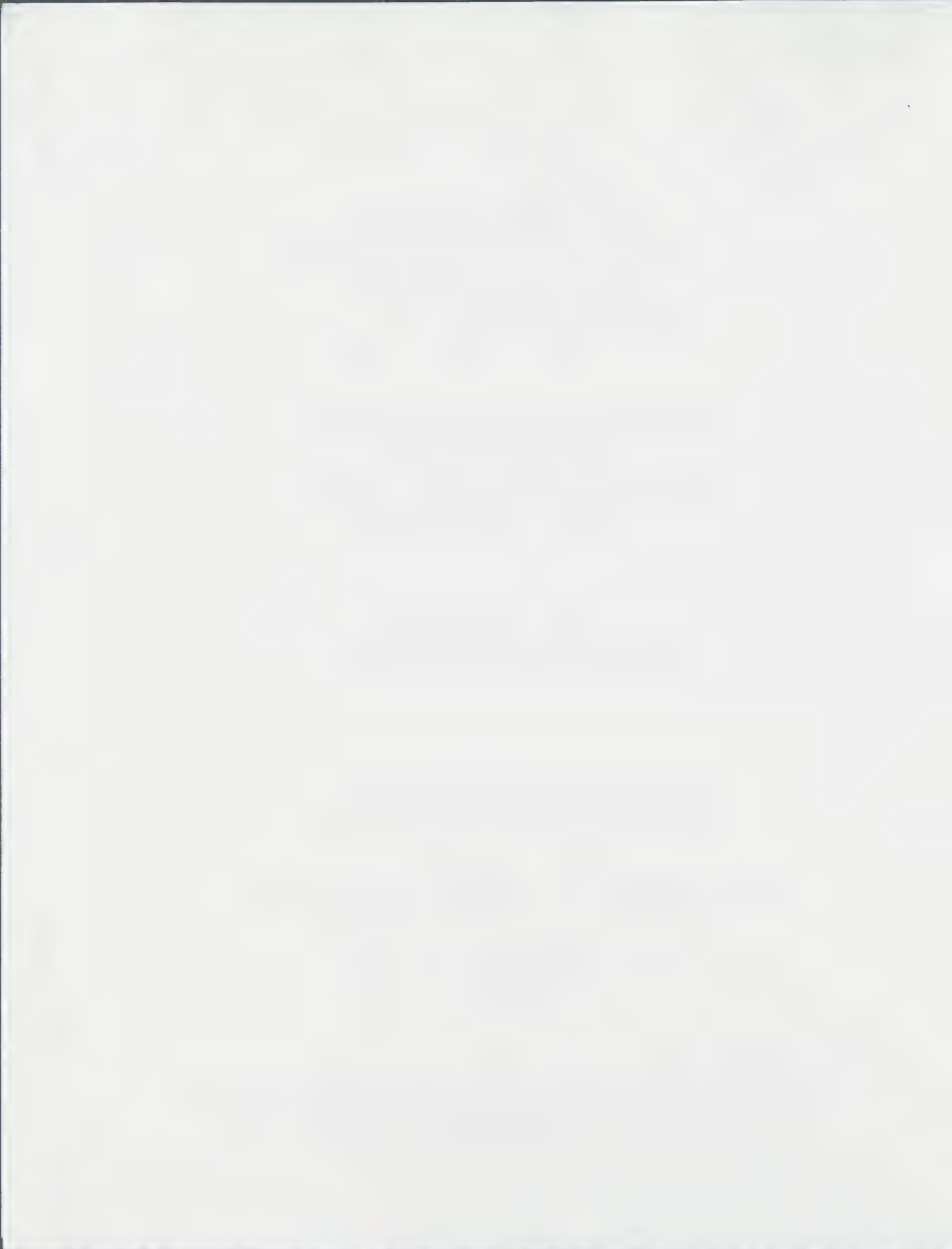
*R.S.V.P. by April 12, to Dottie (692-2042),
with choice of Prime Rib or
Mustard-Pepper Chicken Breast.*

*Dinner will be followed by the
20th Annual Probst Memorial Lecture,
given by Dr. Bader,*

“Adventures of a Chemist Collector”

*Science Building, Room 3114
8:00 p.m.*

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and will be available for questions and book signings
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*The Faculty of Chemistry
cordially invite you to attend dinner
Thursday, April 18, 1996
5:30 p.m.
The University Center Restaurant*

*Our distinguished guest of honor is
Dr. Alfred Bader
historian, art entrepreneur
and founder of Aldrich Chemical Company*

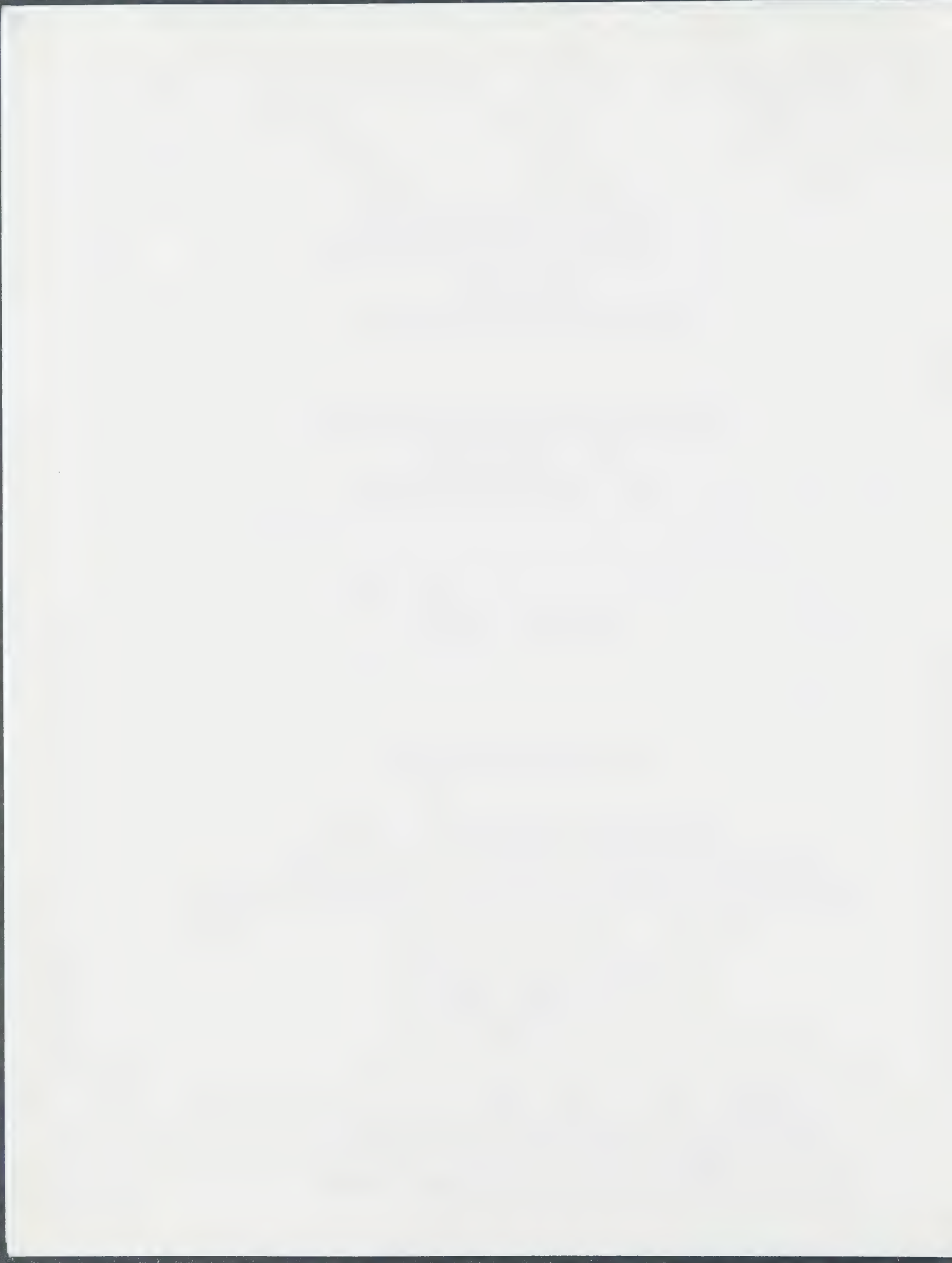
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***"A Chemist Detective at Work:
Richard Anschutz Discovers the Work of
Archibald Scott Couper and Josef Loschmidt"***

*Maple-Dogwood Room
University Center
7:30 p.m.*

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at the reception following the seminar.*





Southern Illinois University at Edwardsville

College of Science
Department of Chemistry

April 15, 1986

Dear Chemistry Alumni, Alums and Friends:

The Department of Chemistry and Chem Club are pleased to announce this year's Lecture Series, April 16-18, 1986. This is the Twentieth Year for the Lecture Series. We are pleased to have Dr. Alfred Bader as our honored guest for this celebration. He will present four seminars in addition to the plenary lecture. A brochure of a color and collector. We have enclosed a poster citing times, location, and titles for seminars.

Dr. Bader is a chemist, the founder of Sigma-Aldrich, a chemist, a historian and entrepreneur. His efforts in establishing Sigma-Aldrich as a specialty chemical supplier have taken him to many countries to attract universities and chemical companies as potential suppliers. His success in building Sigma-Aldrich is nurtured by his travels and interactions.

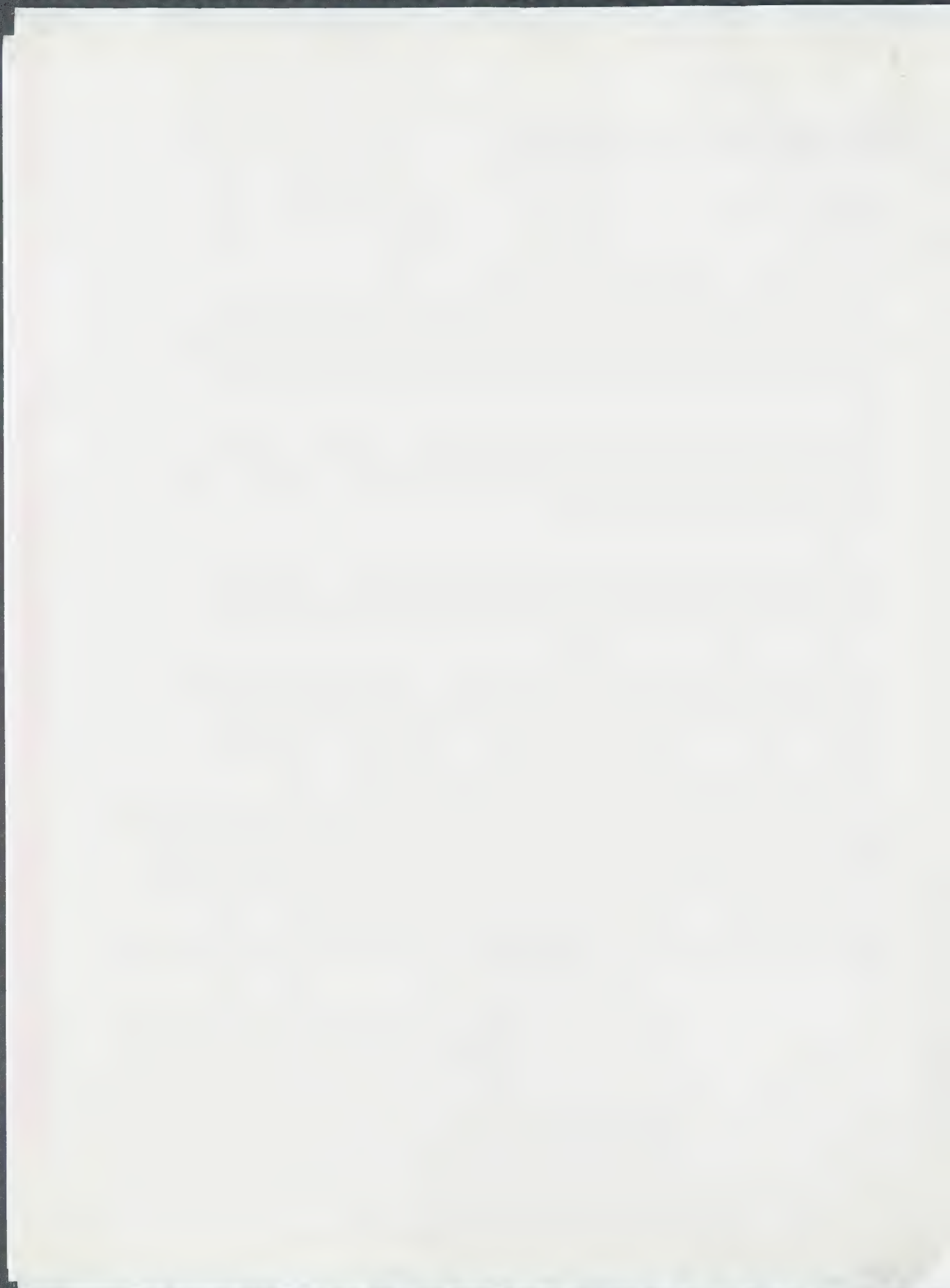
Dr. Bader has a special interest in paintings, with expertise in identifying and restoring them. He has had many paintings restored and is an expert to anyone needing advice. If you have a painting, Dr. Bader will be happy to advise you during the reception.

Dr. Bader has written his autobiography, "A Jew's Journey: From Childhood in Austria torn apart by the Nazi regime to the hardships of being a displaced Jew and eventually becoming an organic chemist, Louis Fieser at Harvard, are a remarkable achievement. Sigma-Aldrich Chemical Company. His book will be available for purchase.

The Department is changing with retirements and new hires. Our focus to our programs. Bob Dixon, biochemistry, and others are interviewing for two positions, one in chemical education and chemistry. We continue improving our analytical equipment: HPLC, GC-MS, and FT-IR. This is our first year of a new science, a reorganization that complements the many areas.

Please come with us for any or all of our seminars and reception. We want to see you there for a reunion and enlightening seminar.

Enclosure: Please share it with your friends.





Southern Illinois University at Edwardsville

College of Science
Department of Chemistry

Tris file

FAX TRANSMITTAL

To: DIRECTOR, FAX 414-277-0000

From: TRIS DEPT FAX

Re:

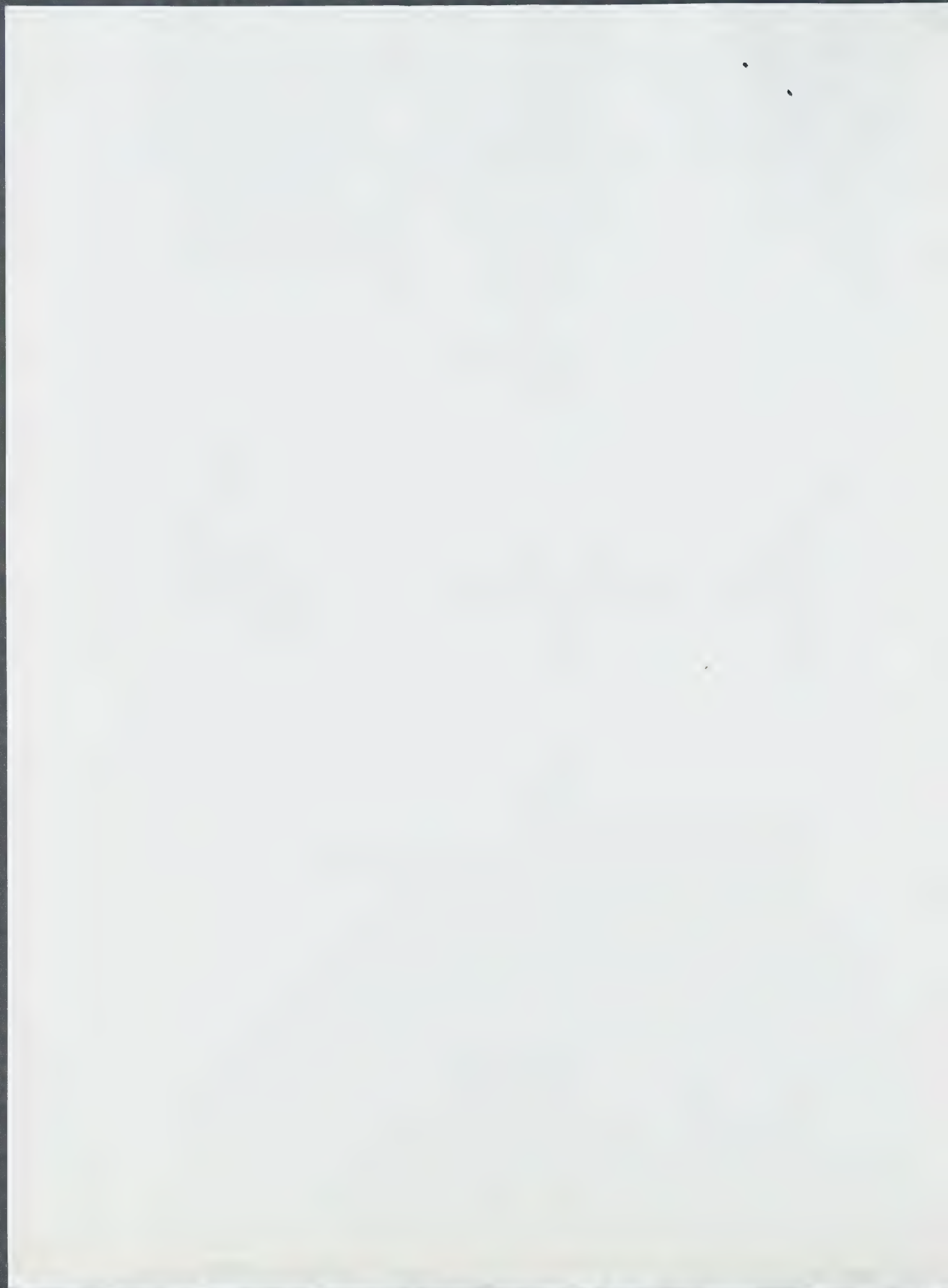
Date:

Attached are copies of invitations to the dinners with choices of meals and letters to alumnae and friends. As we could not reach you by phone, the letters were double checked and ads have been placed. In preparation for next week, please indicate your and Isabel's preferences for meals and an expected amount of time to be spent. Please let me know if you have questions or concerns for any of the items.

Look forward to your visit next week.

Tris, including this sheet.

If there is an error in transmittal, please call my office at 618-692-4555.



The Department of Chemistry and the Chemistry Club
Announce the Twentieth Annual

WILLIAM J. PROBST MEMORIAL LECTURE

Dr. Alfred Bader

Founder, Aldrich Chemical Company

"Adventures of a Chemist Collector"

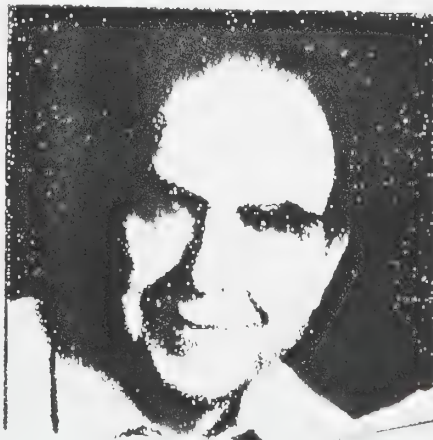
Wednesday, April 17, 1996

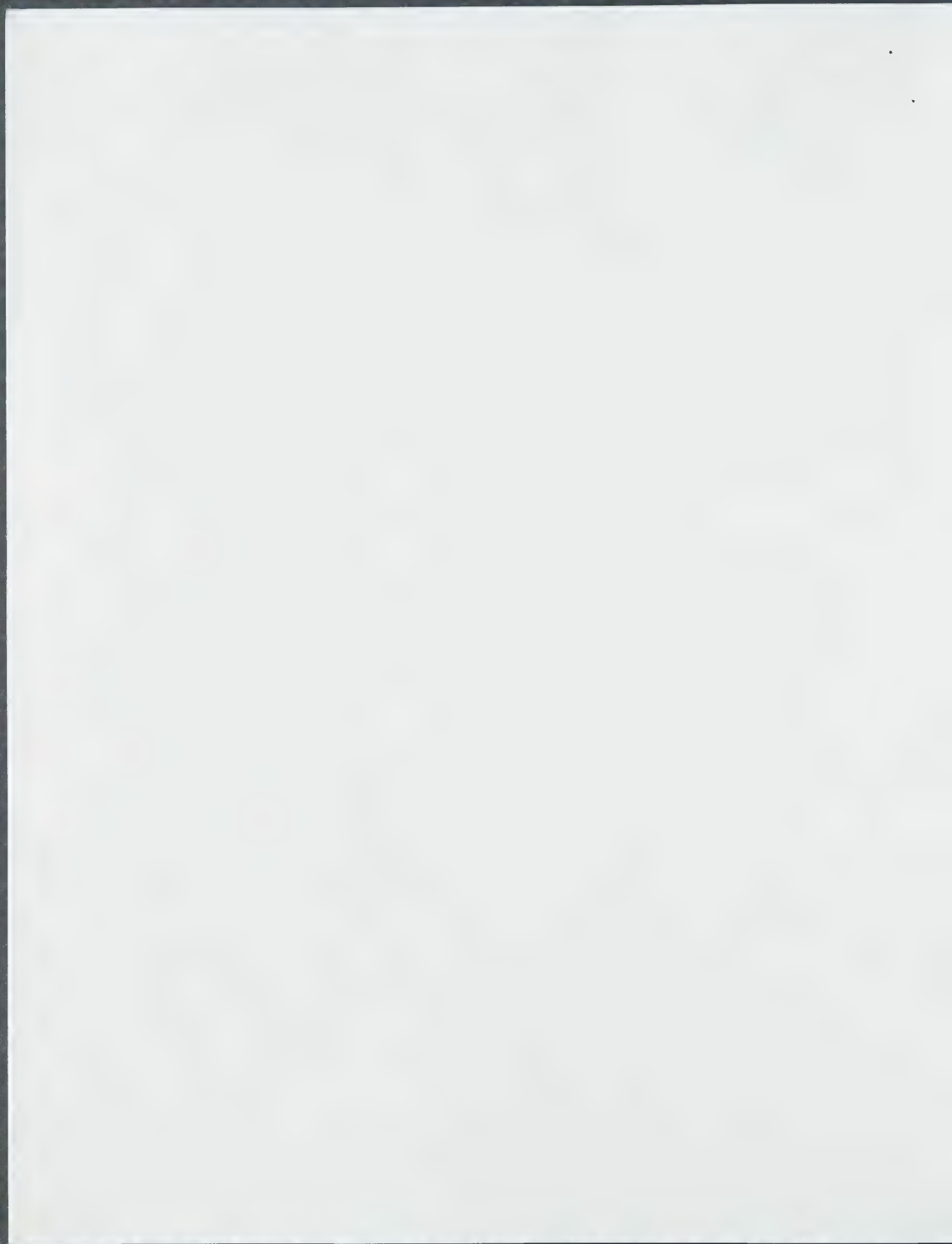
8:00 p.m., Science Building Room 3114

Additional Seminars by Dr. Bader:

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Tuesday, April 16, 7:30 p.m.
Lovejoy Library Auditorium

"History of Aldrich Chemical Co."
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cordially invite you to attend dinner
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5:30 p.m.
The University Center Restaurant*

*Our distinguished guest of honor is
Dr. Alfred Bader
art entrepreneur, historian
and founder of Aldrich Chemical Company*

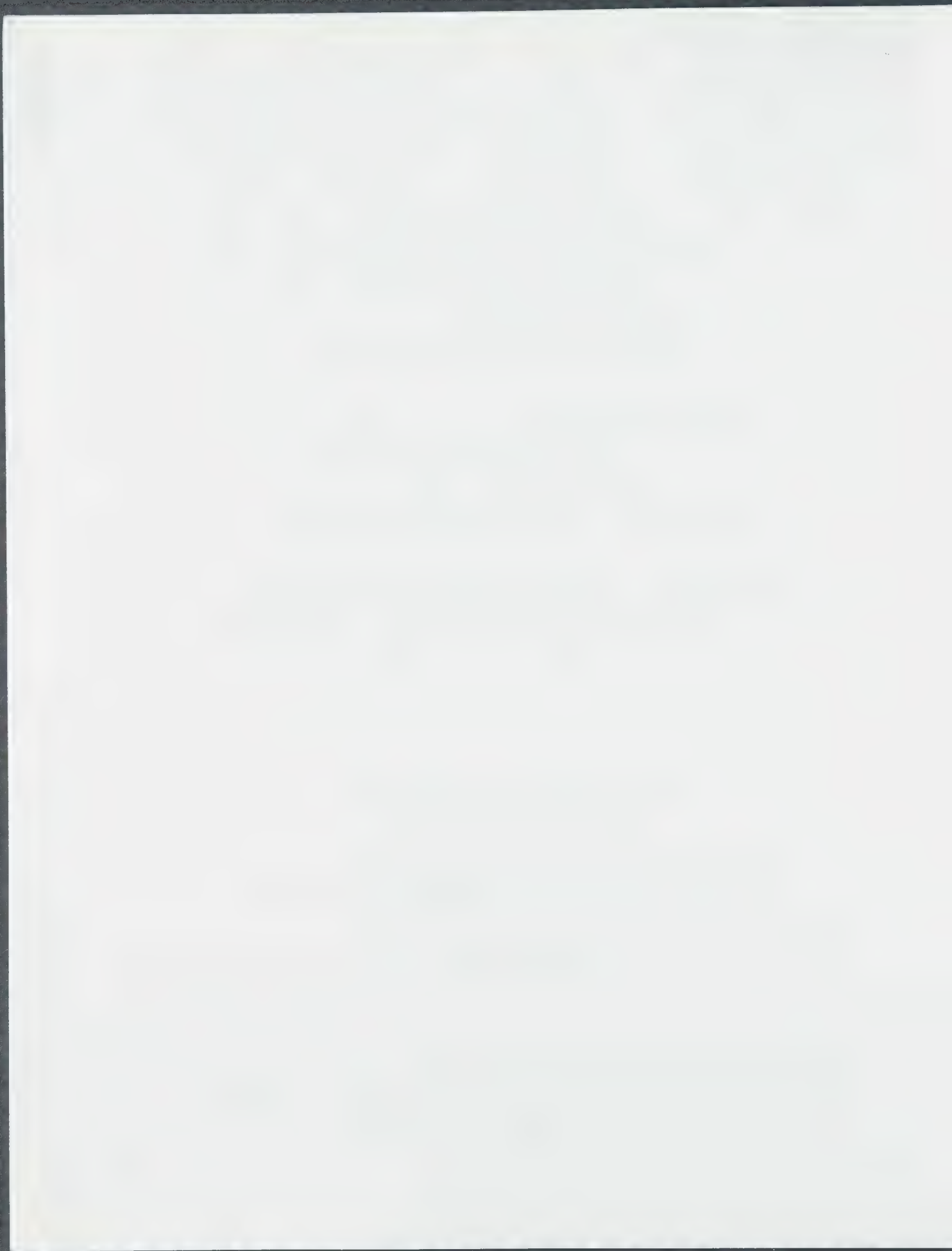
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"The Rembrandt Research Project"

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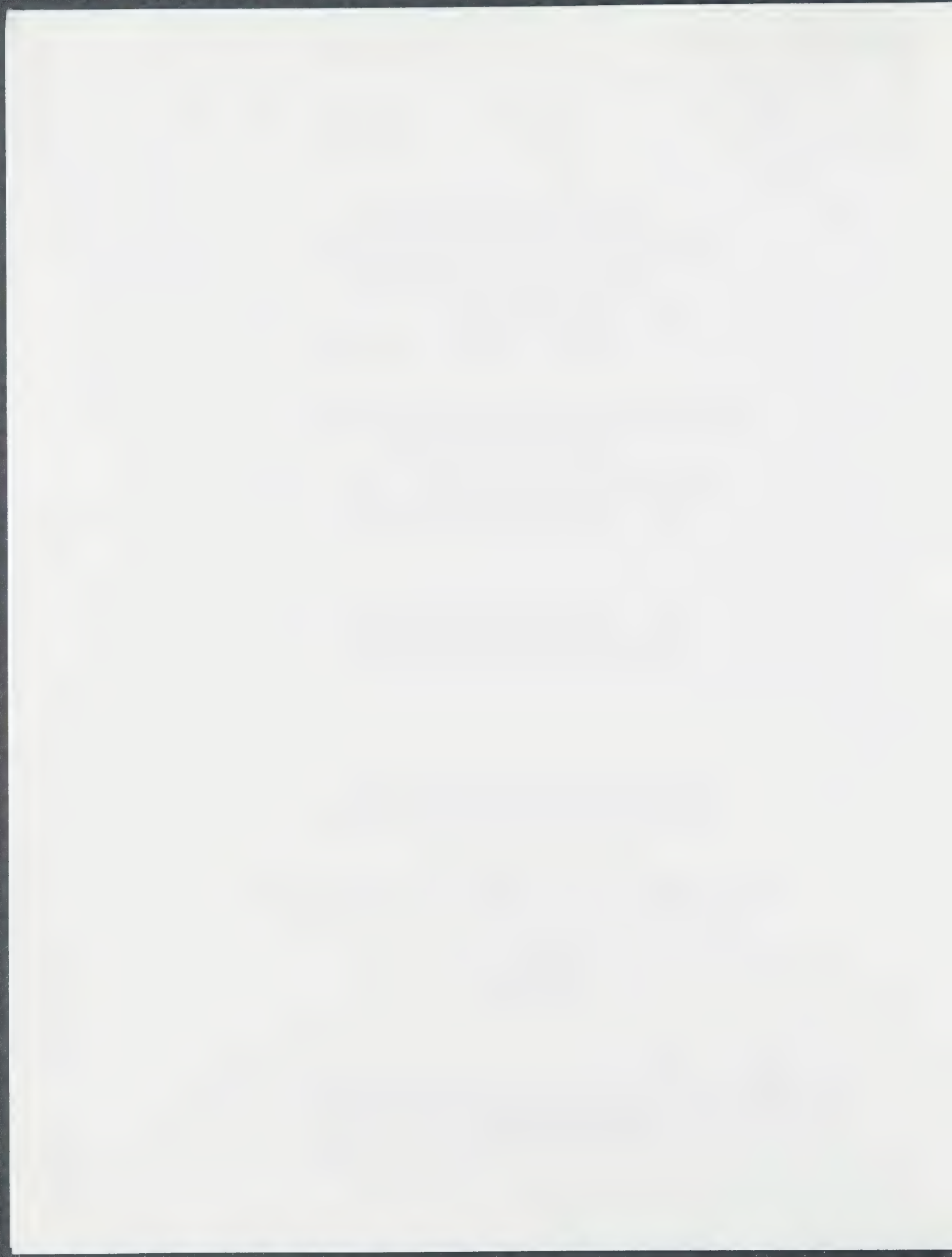
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*Dinner will be followed by the
20th Annual Probst Memorial Lecture,
given by Dr. Bader,*

“Adventures of a Chemist Collector”

*Science Building, Room 3114
8:00 p.m.*

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at the reception following the seminar.*



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cordially invite you to attend dinner
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5:30 p.m.
The University Center Restaurant*

*Our distinguished guest of honor is
Dr. Alfred Bader
historian, art entrepreneur
and founder of Aldrich Chemical Company*

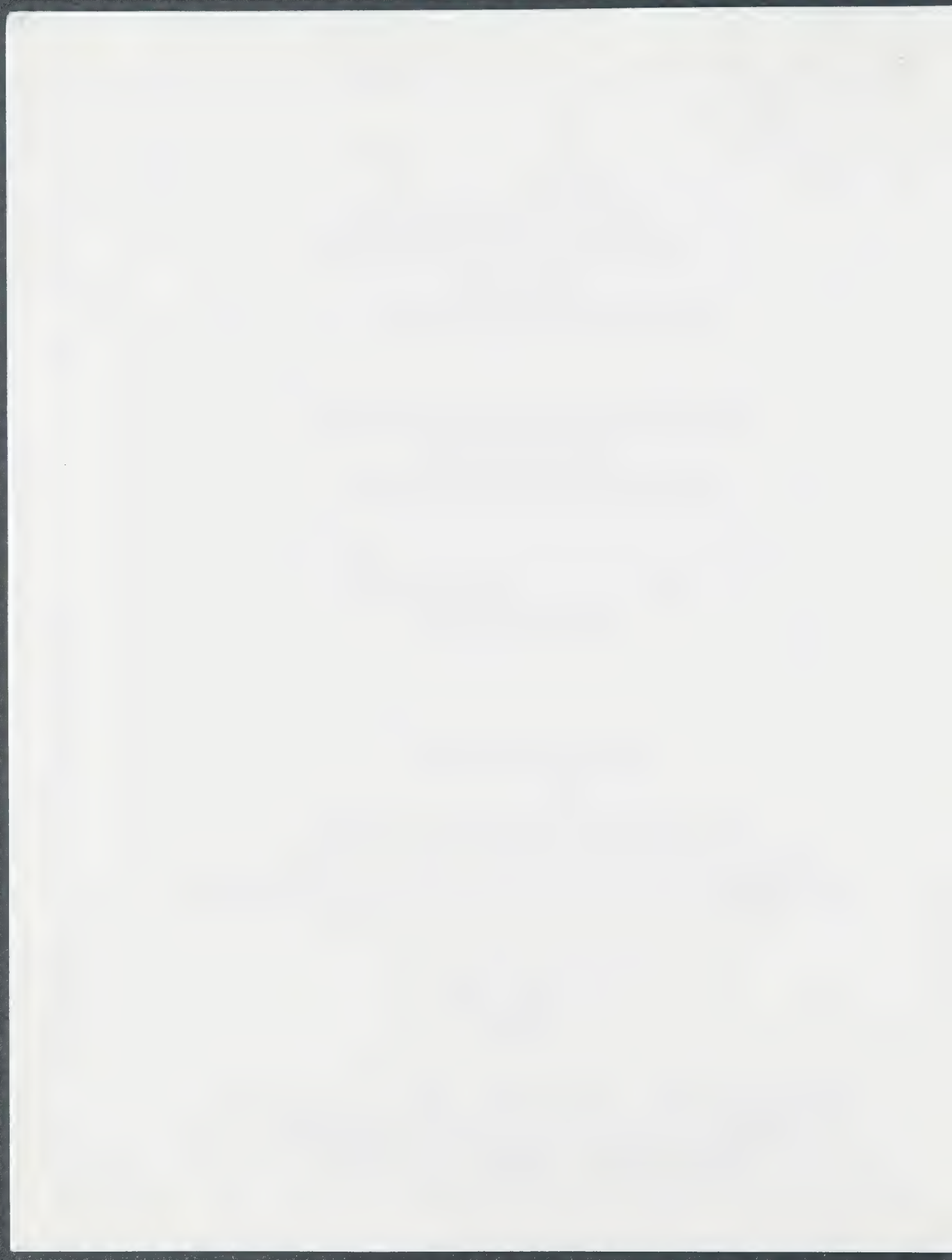
*R.S.V.P. by April 9, to Dottie (692-2042),
with choice of Beef Stroganoff or
Blackened Catfish.*

*Dinner will be followed by the
Dr. Bader's seminar*

***“A Chemist Detective at Work:
Richard Anschutz Discovers the Work of
Archibald Scott Couper and Josef Loschmidt”***

*Maple-Dogwood Room
University Center
7:30 p.m.*

*Dr. Bader will have copies of his book available for sale
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at the reception following the seminar.*





Southern Illinois University at Edwardsville

College of Arts and Sciences
 Department of Chemistry

APR 1996

Dear Chemistry Alumna/Alumnus and Friend:

The Department of Chemistry and Chem Club are pleased to announce this year's Probst Lecture Series, April 16-18, 1996. This is the Twentieth Year for the Probst Lecture Series. We are pleased to have Dr. Alfred Bader as our honored guest for this celebration. Dr. Bader will present four seminars in addition to the plenary lecture, "Adventures of a Chemist Collector." We have enclosed a poster citing times, locations, and titles for seminar.

Dr. Bader is a chemist, the founder of Sigma-Aldrich Chemical Company, and a historian and entrepreneur. His efforts in establishing Aldrich as a major supplier of specialty chemical supplier have taken him to many countries to interact with chemists and chemical companies as potential suppliers. His interests in collecting art were nurtured by his travels and interaction.

Dr. Bader has a special interest in paintings, with expertise in the northern artists. He has had many paintings restored and has expressed a willingness to offer expertise to anyone needing advice. If you have a painting which you wish to have restored, Dr. Bader will be happy to advise you during the reception following the Probst Lecture.

Dr. Bader has written his autobiography, *Adventures of a Chemist Collector*, telling of a childhood in Austria torn apart by the Nazi regime. His adventures in overcoming the hardships of being a displaced Jew and eventually achieving his PhD with the organic chemist, Louis Fieser, at Harvard, are as remarkable as the growth of Sigma-Aldrich Chemical Company. His book will be available for purchase and signing at the reception.

The Department is changing, with retirements and new faculty bringing new interests and focus to our programs. Bob Dixon, biochemistry, joined the faculty last fall. We currently are interviewing for two positions, one in chemical education and the other in analytical chemistry. We continue improving our analytical equipment with additions of FTIR, HPLC, GC/MS, and ICP-AES. We are also planning a reorganization of our chemistry department, a reorganization that complements the many interests of our Probst Lecture Series.

Please join us for any or all of our seminars and reception. We would be delighted to see you there for a reunion and enlightening seminars. Share with us your latest news.

Enclosure: Please share this invitation.





FAX FROM

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

April 9, 1996

TO: Professor Virginia Bryan
Department of Chemistry, Southern Illinois University
Fax: 618/692-3174

Dear Professor Bryan:

Thank you so much for your 6-page fax of today.

We much look forward to being with you, arriving by car mid-afternoon Tuesday, April 16th.

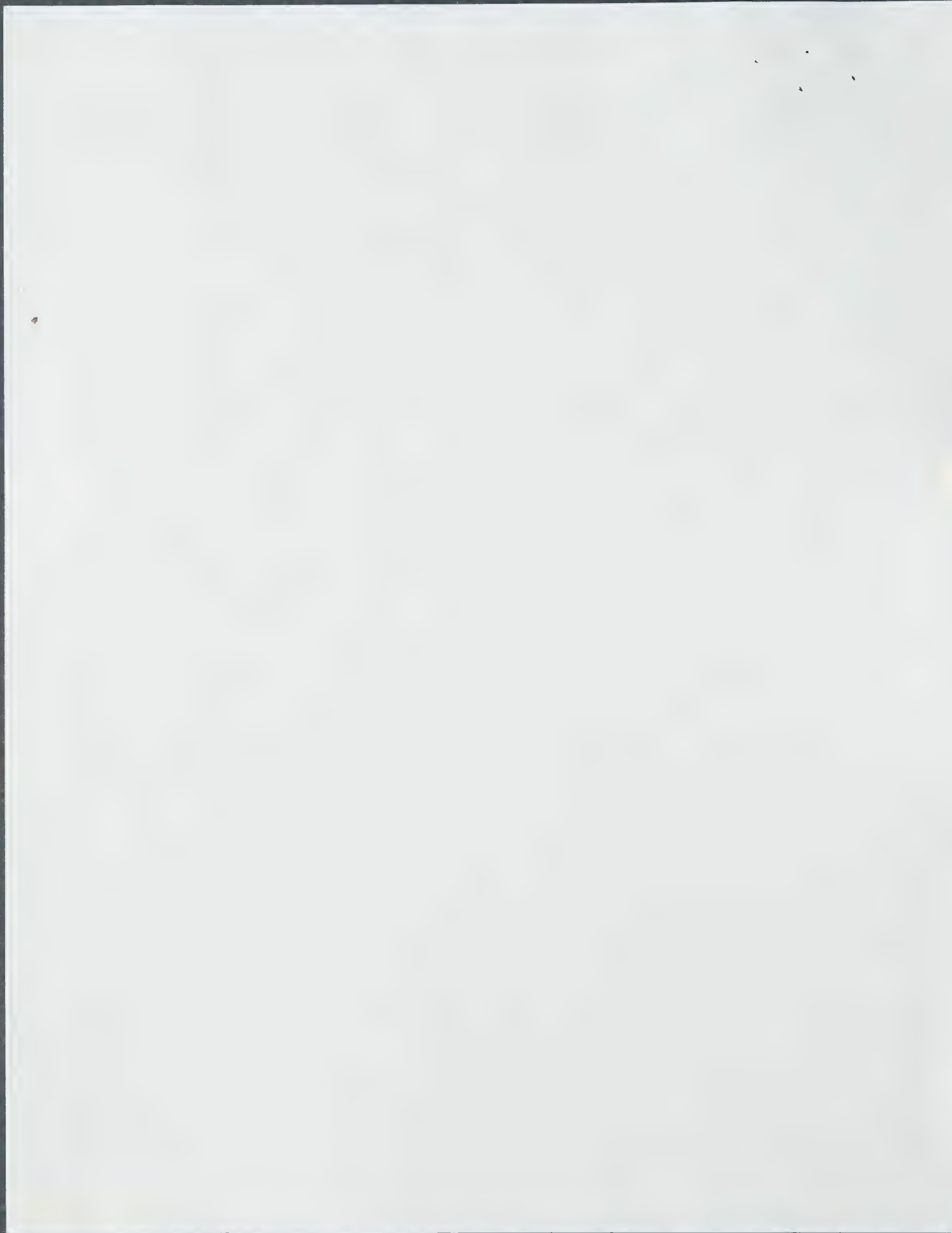
On Tuesday evening, Isabel and I would both like the chicken. On Wednesday evening, we would like one prime rib and one chicken. And on Thursday, we would like one beef stroganoff and one blackened catfish. Generally, Isabel and I like to share our dishes, but neither of us eats pork or shrimp.

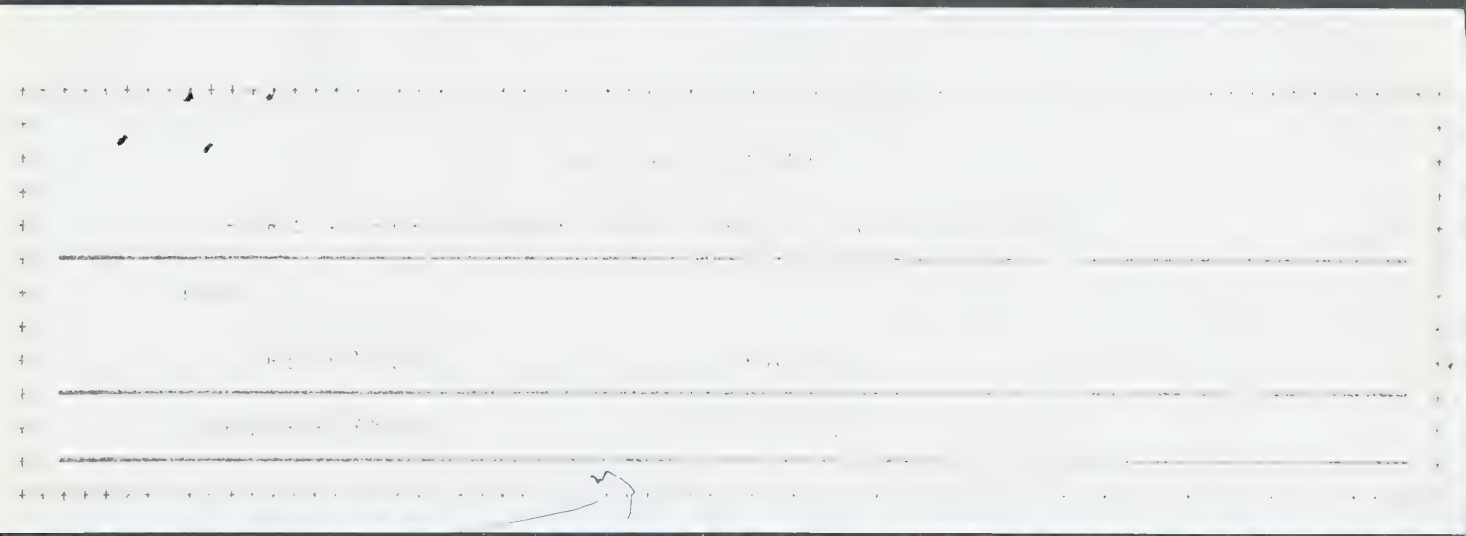
Isabel and I very much hope that you will be satisfied with the presentations.

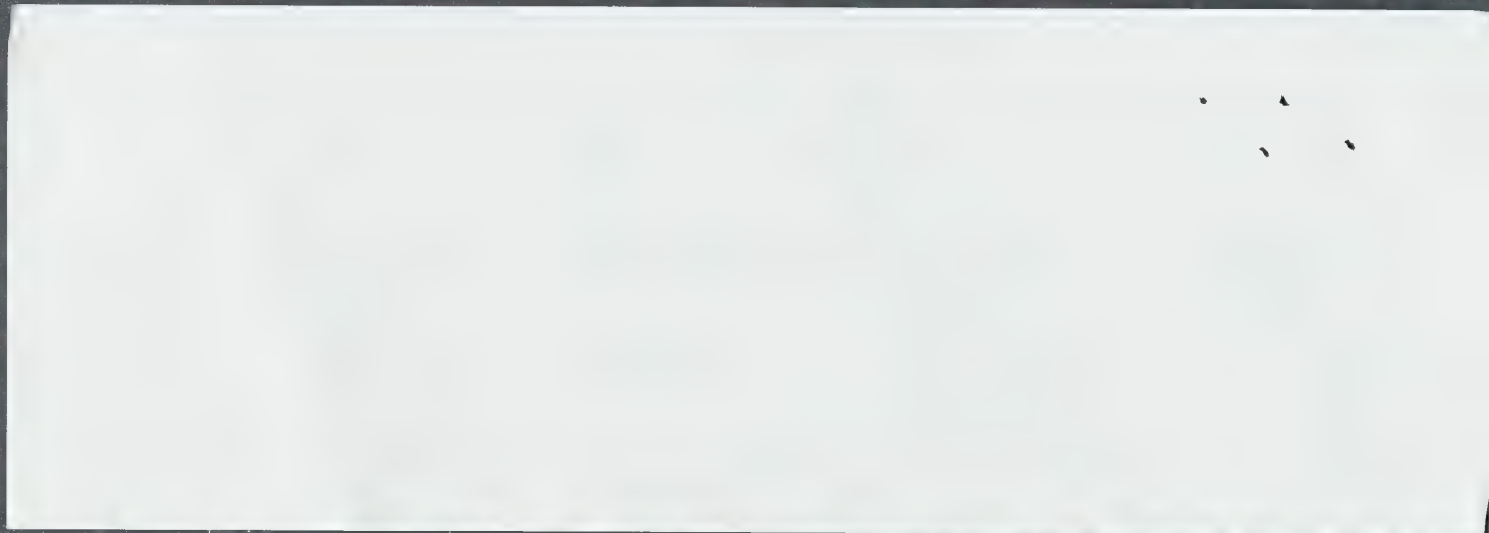
With all good wishes, I remain,

Yours sincerely,

AB/cw









ALFRED BADER FINE ARTS

DR. ALFRED BADER

ESTABLISHED 1961

March 28, 1996

Ms. Lisa Pillsbury
Assistant Director, Campus Life
Southern Illinois University
University Center
Edwardsville, IL 62026-1168

Dear Ms. Pillsbury:

Pursuant to our telephone conversation earlier this week, enclosed please find all of Dr. Bader's signed paperwork for his visit to SIUE next month.

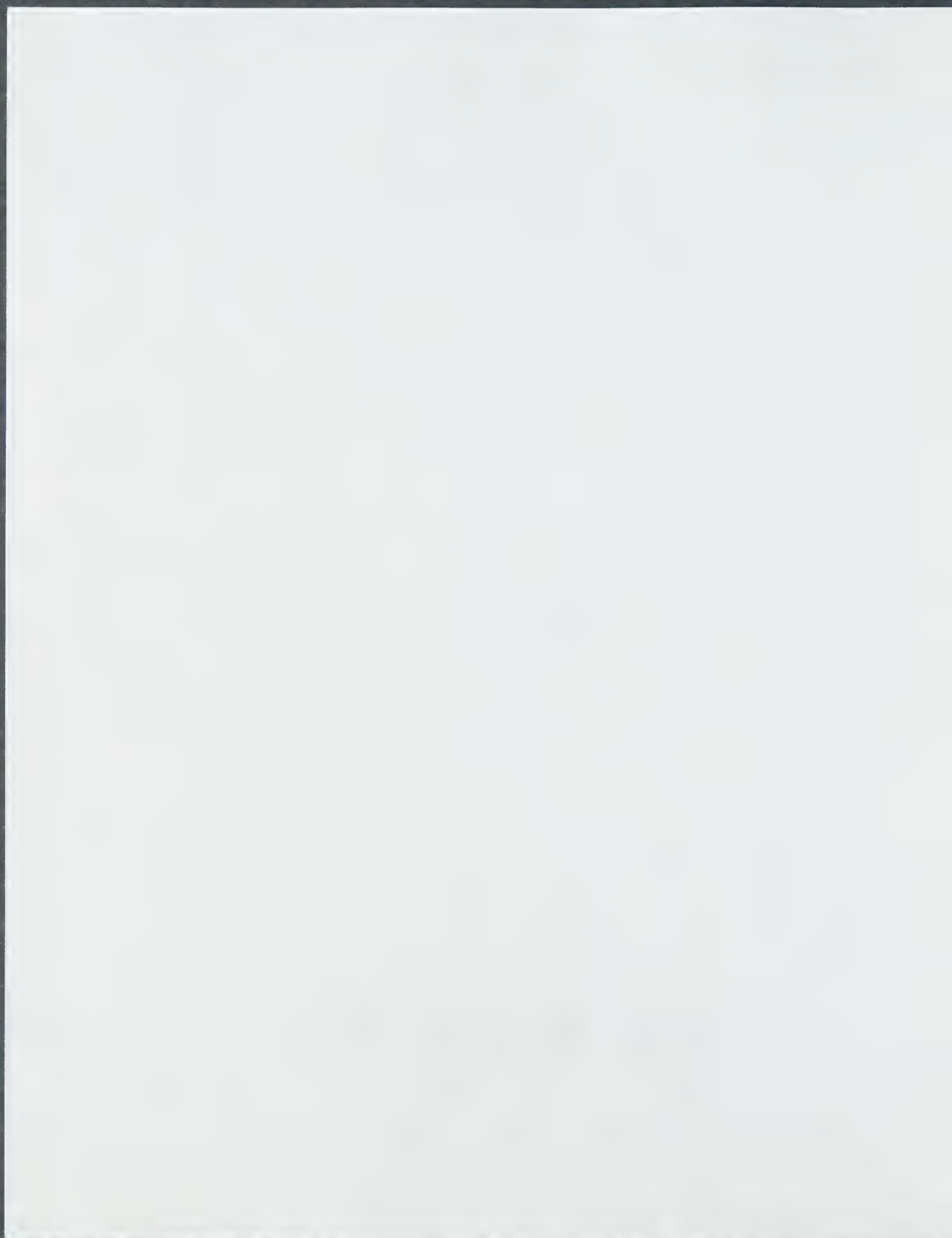
Should you need any additional information, please don't hesitate to contact us.

Best wishes,

Cheryl Weiss
Office Manager

Enclosures

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





Southern Illinois University at Edwardsville

Kimmel Leadership Center

March 12, 1996

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

Dear Dr. Bader:

Enclosed are two contracts for your appearance at Southern Illinois University at Edwardsville on Tuesday, April 16 through Thursday, April 18, 1996. Sponsored by the SIUE Chemistry Club.

Please review and sign both copies of the contract on the line provided in the right hand signature block, marked by a red "X". Return both copies of the contract as well as the Vendor's Federal Taxpayer Identification form and the Ethnic Status Report form. You will receive a fully executed copy of the contract once I have obtained appropriate University signatures.

University purchasing regulations require that they receive the contracts 10 (ten) days before the date of the event. Therefore, I strongly encourage you to return the signed contracts so that I receive them by Tuesday, April 2, 1996.

If you have questions, please contact me at (618) 692-2330.

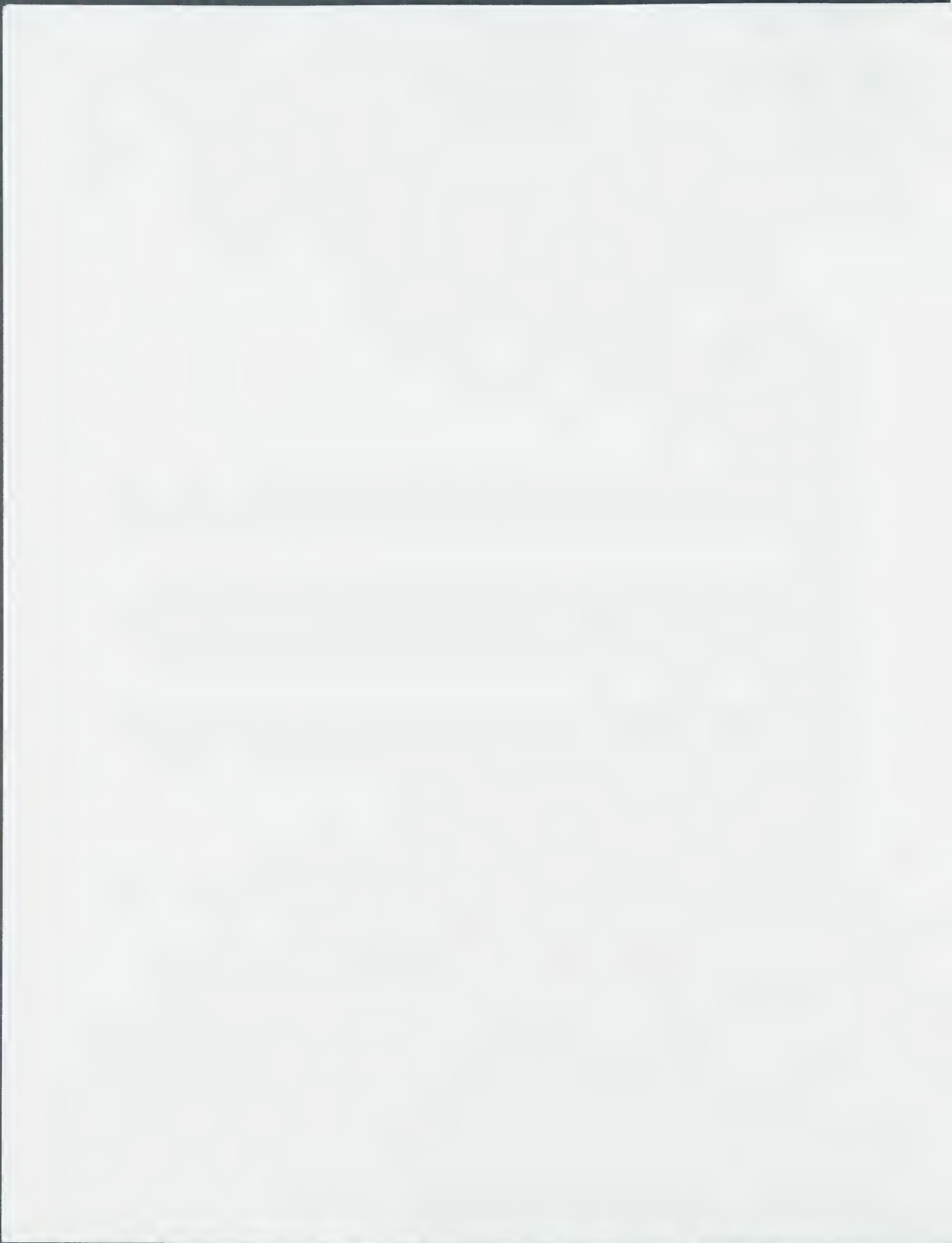
Sincerely,

Lisa Pillsbury
Assistant Director, Campus Life

700x 618 692-3514

Enclosures

LP:bc





FAX FROM

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

March 19, 1996

Page 1 of 2

TO: Ms. Lisa Pillsbury
Assistant Director, Campus Life
Fax: 618/692-3514

Dear Ms. Pillsbury:

Thank you for your letter of March 12th.

I am 71, and over the years, I have given thousands of talks at many hundreds of universities and companies. Yet I have never seen a contract like the four-page contract which you sent me.

I presume that the State of Illinois requires the signature of that contract, but I don't really feel like employing an attorney to ascertain that I can sign this safely.

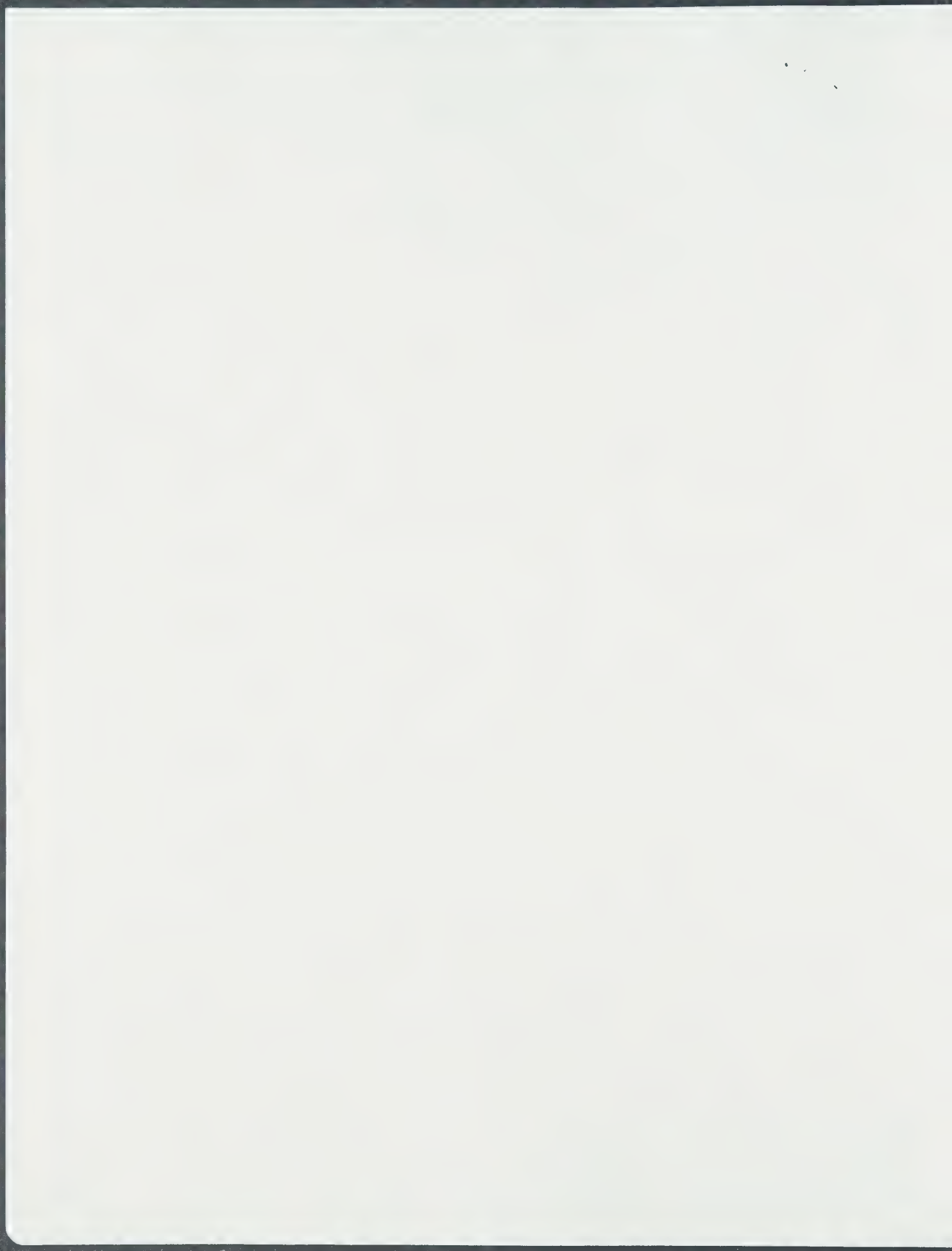
Hence, here is my understanding of the agreement arranged with Professor Virginia Bryan. If this accords completely with your understanding, please let me know by fax, and I will sign and return that cumbersome contract.

- (1) I am to be at SIUE from late afternoon Tuesday, April 16th until Friday morning, April 19th.

During that period, I am to give five lectures, as described in Professor Bryan's fax of February 27th. These lectures will last about an hour, and of course, I will be happy to answer any and all questions. Also, my wife and I will be glad to come to the poster session and spend as much time with the students as possible.

- (2) In her fax of January 23rd, Professor Bryan has agreed that I would be paid an honorarium of \$4,000 and that the University would cover travel and accommodation expenses. The least expensive way of coming from Milwaukee to Edwardsville is by car, and so my wife and I plan to drive and would like to be reimbursed at the customary 30¢ per mile. Naturally, we will keep all our travel expenses as low as we possibly can.

*\$200 travel
@ \$0.30/mile OK*



Ms. Lisa Pillsbury

March 19, 1996

Page 2 of 2

- (3) Referring to paragraph 5 of the contract, we have informed Professor Bryan of our requirements for overhead and slide projectors.
- (4) Referring to paragraph 6 of the contract, I have no objections whatever to the University making recordings of my talks. Also, I would be happy to give radio interviews.
- (5) Referring to paragraph 7 of your contract, I have agreed to bring copies of my autobiography, *Adventures of a Chemist Collector*. This retails for \$25, and I will be happy to sign as many books as might be required. The University can sell these books at \$25 or give discounts to students, and I require only reimbursement of \$12.50 per copy sold.

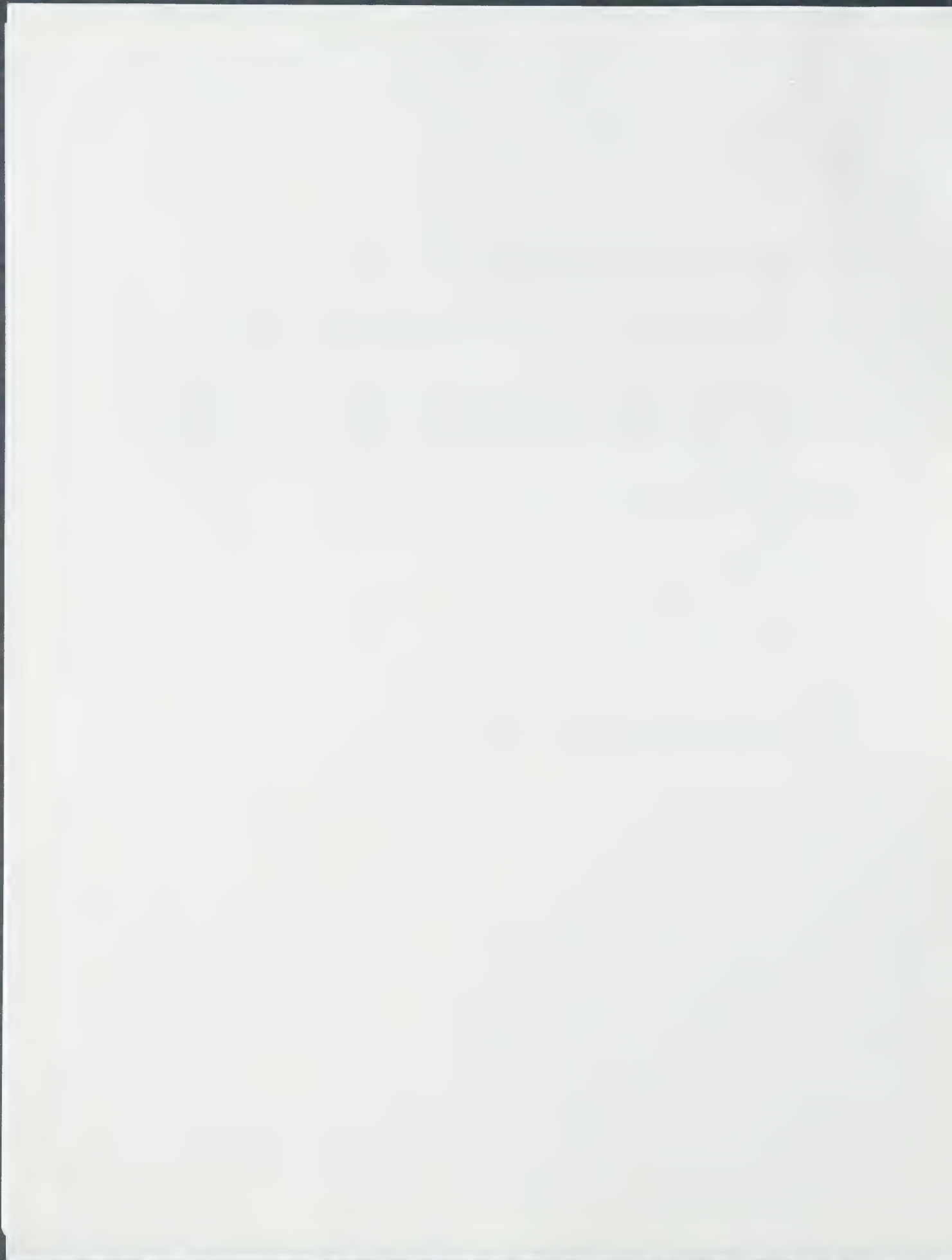
I look forward to hearing from you, and remain, with best regards,

Yours sincerely,



AB/cw

cc: Professor Virginia Bryan (fax: 618/692-3174)



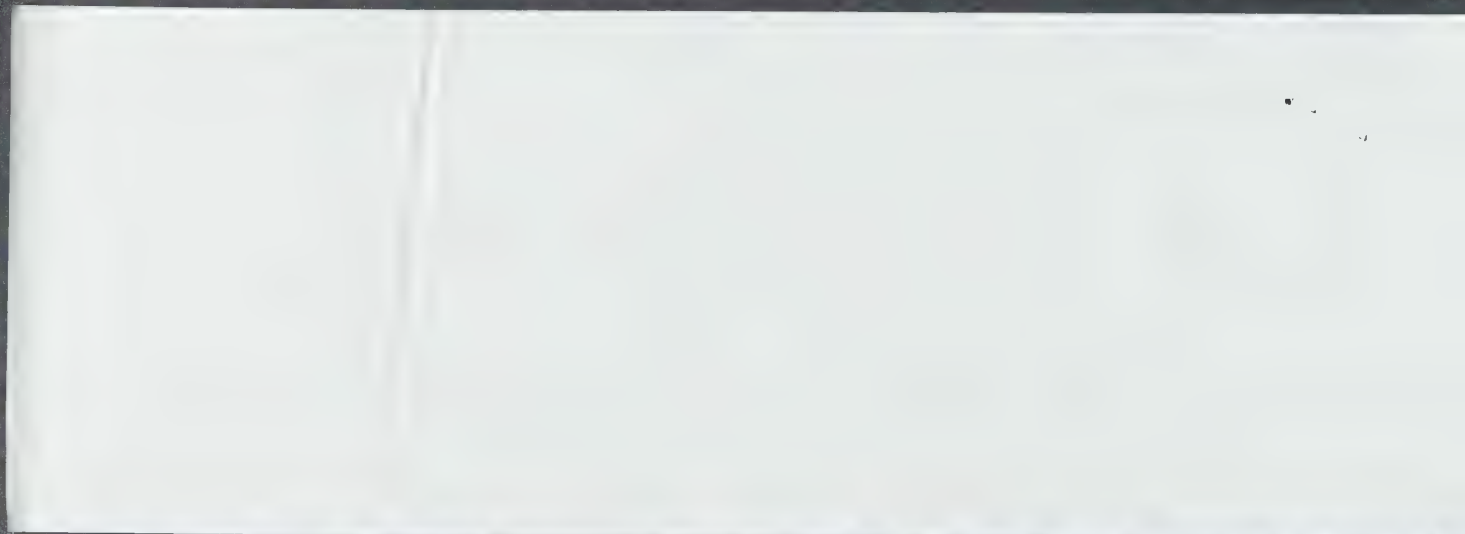
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UNITED STATES DEPARTMENT OF JUSTICE

OFFICE

OF THE ATTORNEY GENERAL

WASHINGTON, D. C.



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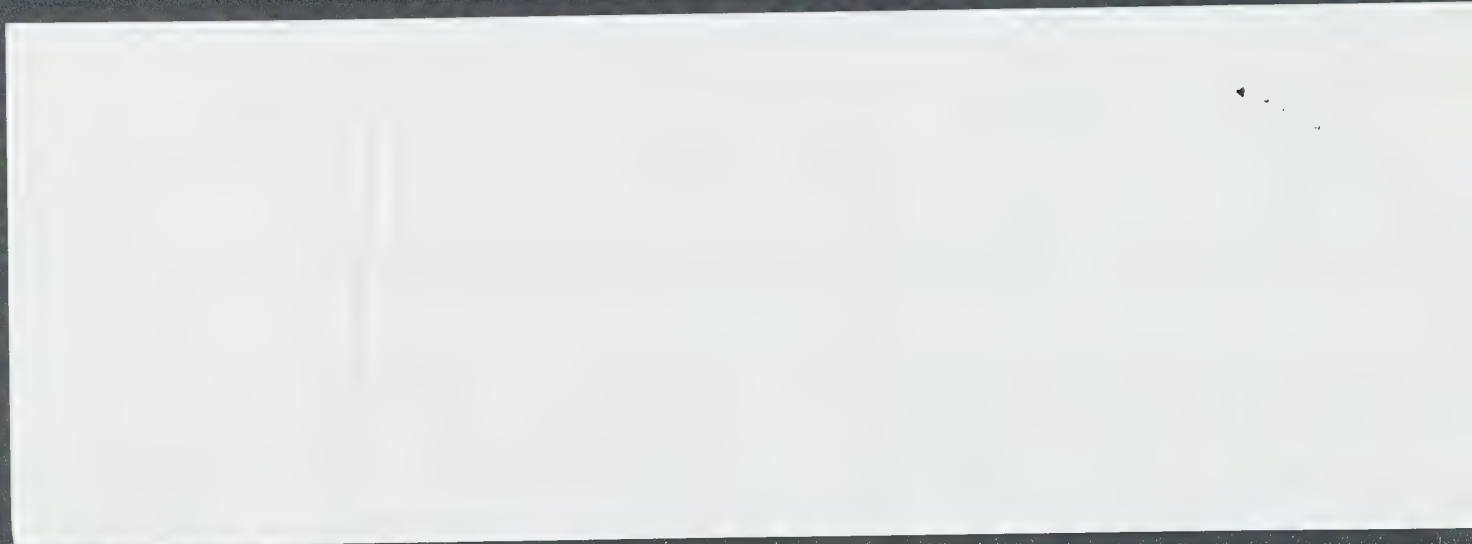
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SIUE

Southern Illinois University at Edwardsville

College of Arts and Sciences
Office of Science and Mathematics Education

FAX TRANSMITTAL

To: _____ Alfred Bader FAX 414 _____

From: _____ Virginia Bryan FAX 618 692-3526

Date: _____ 2/27/90

It is now time to begin to fill in the details for your visit and lectures for the Probst Lecture Series. The many details may require a few letters and/or fax communications. In meeting with my committee, we have questions about special requests you may have. For instance how fully may we book your day. Your afternoons and evenings will be filled with lectures, receptions with book signings, dinners, and evening lectures. I hope you will meet with students for lunch and schedule morning small group for individual meetings with students and faculty.

Please let me know of any special scheduling arrangements you prefer. I'm inclined to leave breakfast on your own and time before each lecture to collect your notes and thoughts. Please let me know if you wish additional breaks in the activities.

To begin paperwork for the book return, we will need your social security number for the memorandum.

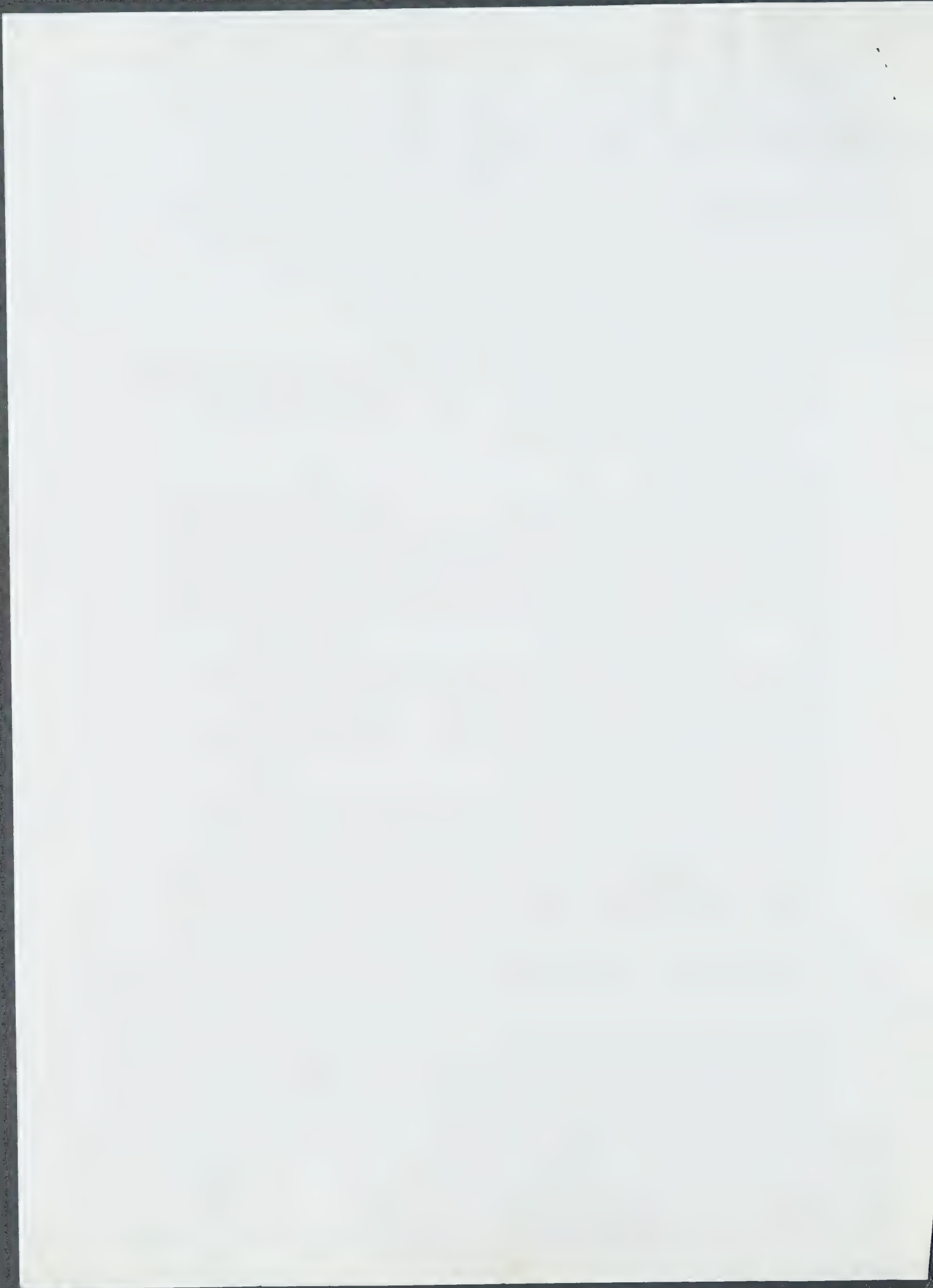
If you wish to invite friends from this area to the lectures or dinners, please send their names to be included on our guest lists.

We plan to have dinner groups on campus Tuesday night with faculty from the arts Wednesday is for chemistry faculty, graduate students, and retired faculty and Thursday with some of the history faculty. There will be receptions following both the afternoon and evening lectures and Chem Club members will help with arrangements for selling and autographing of your book.

Thank you for the copy. It has been a special treat to become better acquainted with you before your visit.

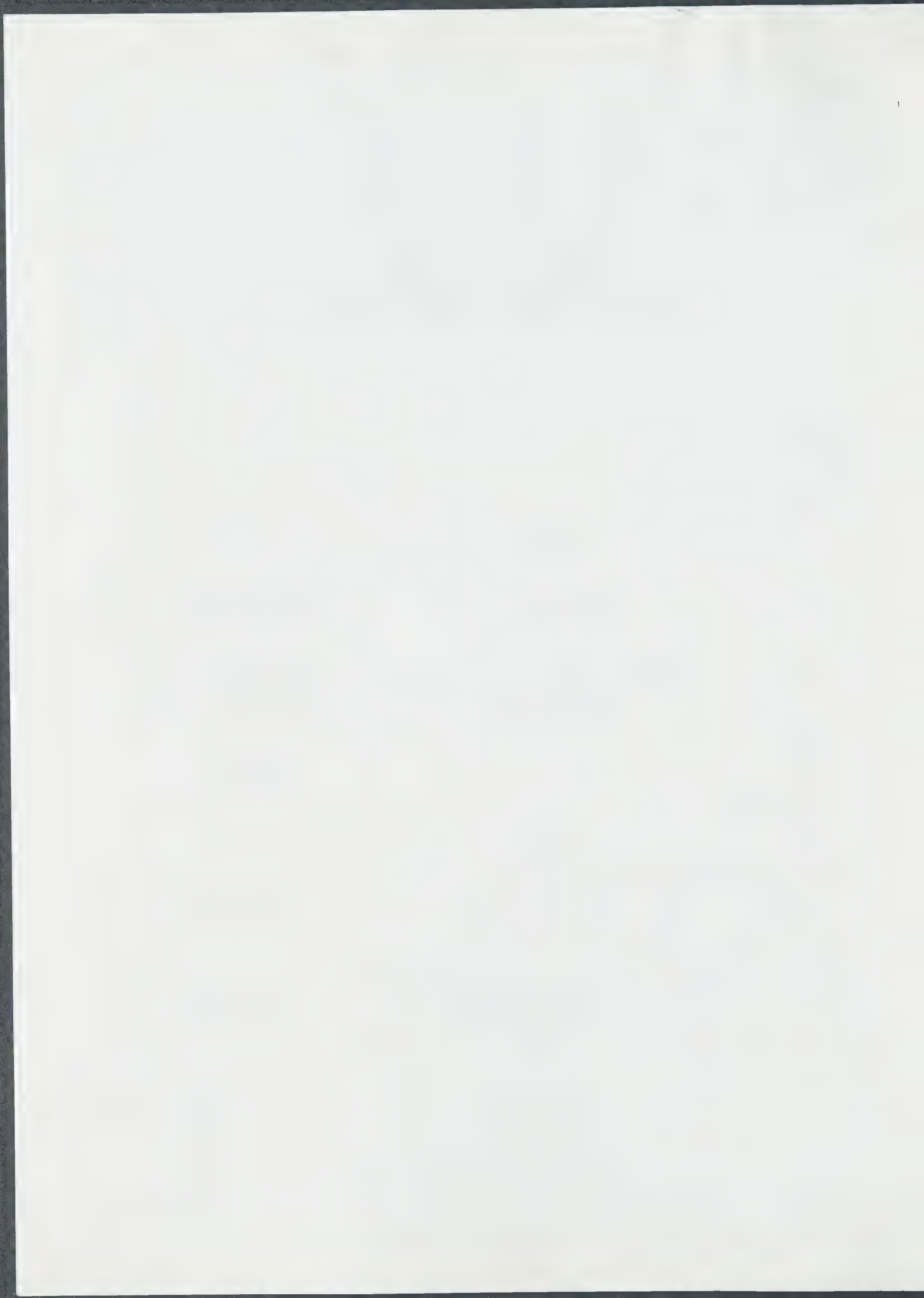
No. of Pages including this sheet: 2

If there is an error in transmittal, please call my office at 618 _____



Probst Lecture Series
April 16 - 18, 1996
Dr. Alfred Bader - Guest Lecturer

Date/Time	Title	Location
4/16 7:30 p.m.	"The Rembrandt Research Project and the 'Collectors'"	Maple-Dogwood University Center
4/17 1:00-3:30pm	Senior Assignment Poster Session	Maple-Dogwood University Center
4/17 3:30 p.m.	"The History of Aldrich and Sigma Aldrich Chemical Company"	Maple-Dogwood University Center
4/17 5:30 p.m.	Dinner	Maple-Dogwood University Center
4/17 8:00 p.m.	The Adventures of a Chemist's Assistant	Maple-Dogwood University Center
4/18 2:00 p.m.	"The Bible through Dutch Eyes"	Maple-Dogwood University Center
4/18 7:30 p.m.	"Early Chemists - Richard Anschutz, Archibald Scott Couper and Josef Loschmidt"	Maple-Dogwood University Center





FAX FROM

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

February 28, 1996

TO: Professor Virginia Bryan
Department of Chemistry, Southern Illinois University
Fax: 618/692-3174

Dear Professor Bryan:

Thank you so much for your fax of today.

Isabel and I much look forward to being with you in April, and the schedule which you have drawn up looks fine.

By all means, fill up our days, though I would appreciate having about half an hour each afternoon just to lean back for a few minutes and close my eyes.

The talk on April 17th, *Adventures of a Chemist Collector*, deals with paintings before and after restoration. You might like to invite owners of paintings in your area that would like some advice regarding restoration of their paintings to bring these to the talk. I will then be happy to advise them.

May I suggest that you change the title of the talk scheduled for the evening of April 18th to "*A Chemist Detective at Work: Richard Anschütz Discovers the Work of Archibald Scott Couper and Josef Loschmidt*"? That material is covered in Chapter 16 of my autobiography.

As we will be driving, it will be easy to bring copies of my autobiography along. How many do you think we should bring?

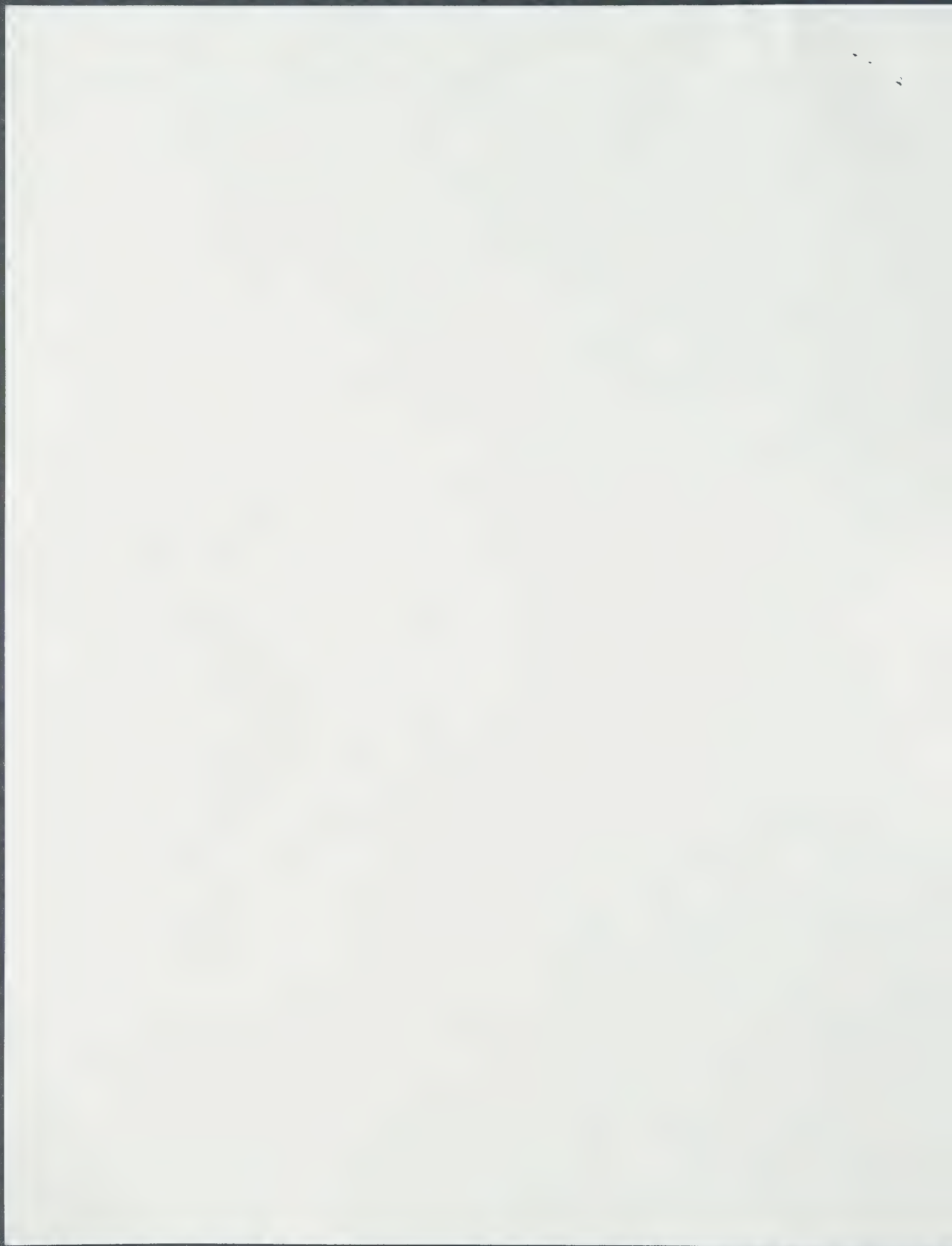
While I have good friends in St. Louis and Urbana, I am afraid that I have none at your campus, and so will not be able to invite anyone.

██████████ r ██████████.

Much looking forward to meeting you, I remain,

Yours sincerely,

AB/cw



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THE UNIVERSITY OF CHICAGO

DEPARTMENT OF CHEMISTRY

530 SOUTH EAST ASH AVENUE

CHICAGO, ILLINOIS 60607

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RECEIVED

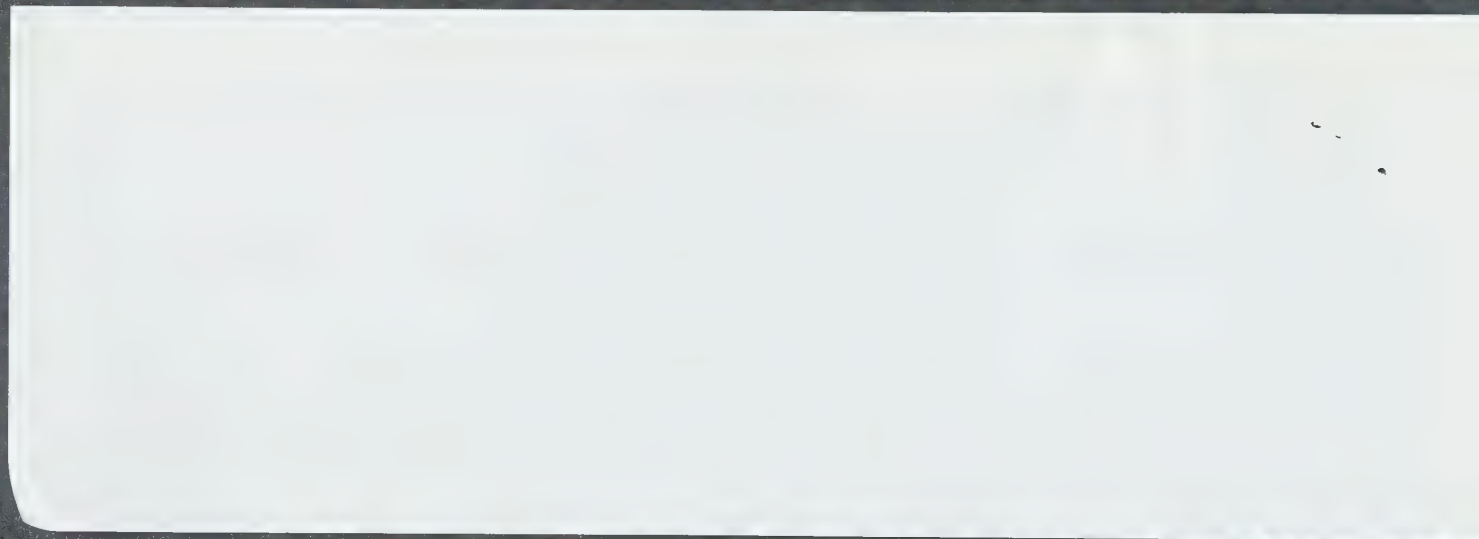
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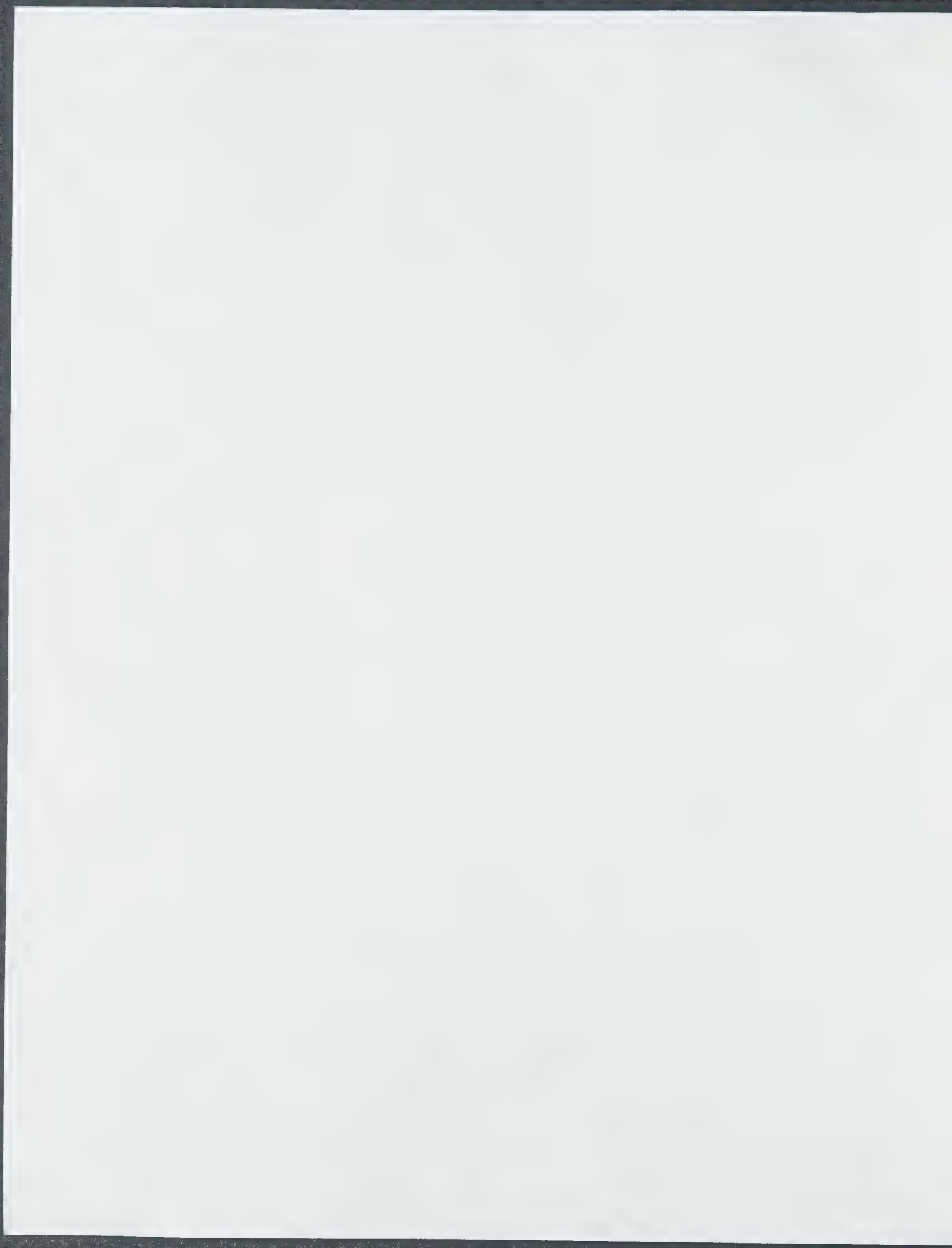
LIBRARY

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Probst Lecture Series
April 16 - 18, 1996
Dr. Alfred Bader - Guest Lecturer

Date/Time	Title	Location
4/16 7:30 p.m.	"The Rembrandt Research Project and the Collector"	Library Auditorium
4/17 1:00-3:30pm	Senior Assignment Poster Session	Maple-Dogwood University Center
4/17 3:30 p.m.	"The History of Aldrich and Sigma Aldrich Chemical Company"	Maple-Dogwood University Center
4/17 5:30 p.m.	Dinner	Redbud Room University Center
4/17 8:00 p.m.	"The Adventures of a Chemist Collector"	SL3114
4/18 2:00 p.m.	"The Bible through Dutch Eyes"	Maple-Dogwood University Center
4/18 7:30 p.m.	"Early Chemists -Richard Anschutz, Archibald Scott Couper and Josef Loschmidt "	Maple-Dogwood University Center





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

January 23, 1996

TO: Professor Virginia Bryan
Department of Chemistry
Southern Illinois University
Fax: 618/692-3174

Page 1 of 2

Dear Professor Bryan:

Thank you so much for your 5-page fax of today with the very satisfactory schedule of my talks.

I am glad to know that your University is so close to Highways 55 and 70, which will make coming to Edwardsville and then back to Milwaukee very straightforward.

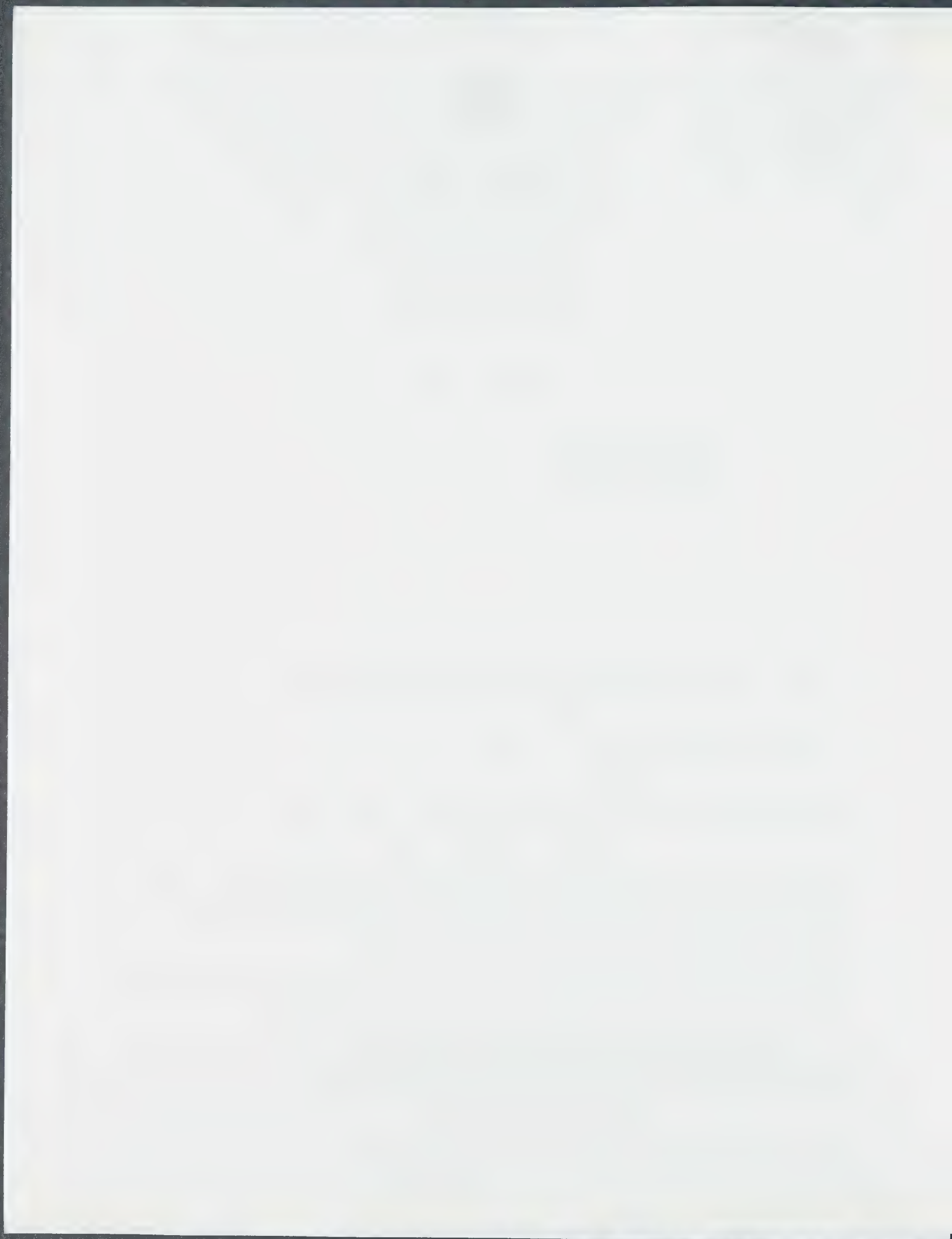
It so happens that I gave five talks at the University of Alberta in Edmonton last spring, and you might be interested in the reviews.

Enclosed by mail is a photograph, as well as a copy of my autobiography, *Adventures of a Chemist Collector*.

If perchance you would like to have a book-signing at one or more of my lectures, I could bring some copies and the selling organization could keep 50% of the selling price, that is \$12.50 of the \$25.00 retail price. Several student sections of universities where I have spoken have benefitted from this arrangement.

Driving to your University is much less expensive than flying to St. Louis, and so Isabel and I will be driving.

Some years ago, I met a very likable and able chemist at the University of Wisconsin at Stevens Point, James McClure, and if my memory is correct, he left Stevens point to come to Edwardsville. If so, it would give me great pleasure to meet him again.

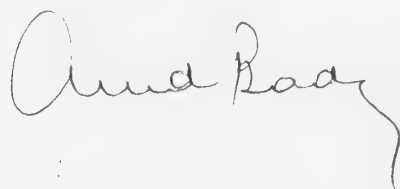


Professor Virginia Bryan
January 23, 1996
Page 2 of 2

Please don't hesitate to ask for more information if you should need it.

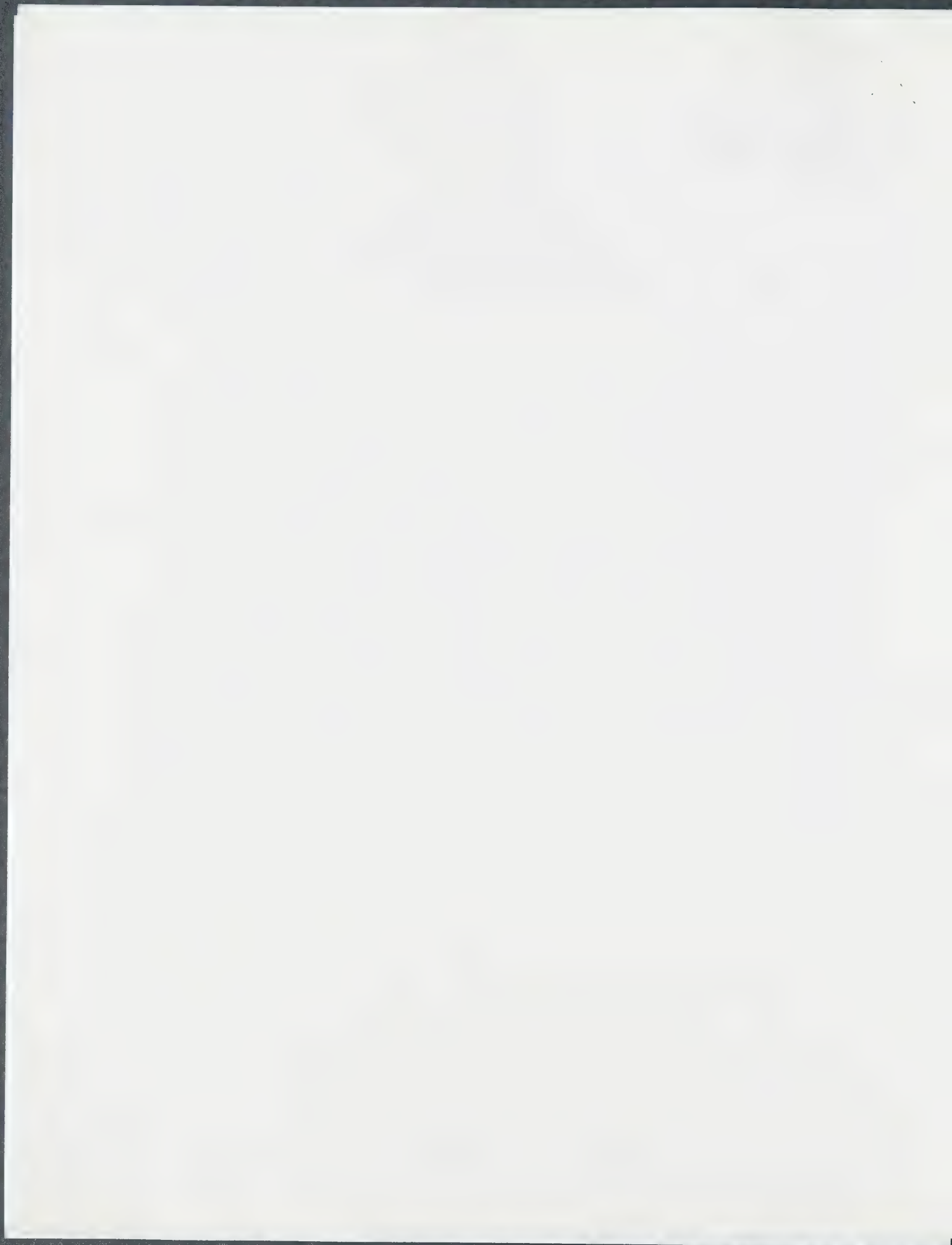
Much looking forward to meeting you personally, I remain,

Yours sincerely,

A handwritten signature in cursive script, appearing to read "Ann R. Bay". The signature is written in dark ink and is positioned below the typed name "Ann R. Bay".

AB/cw

Enclosures (by mail)



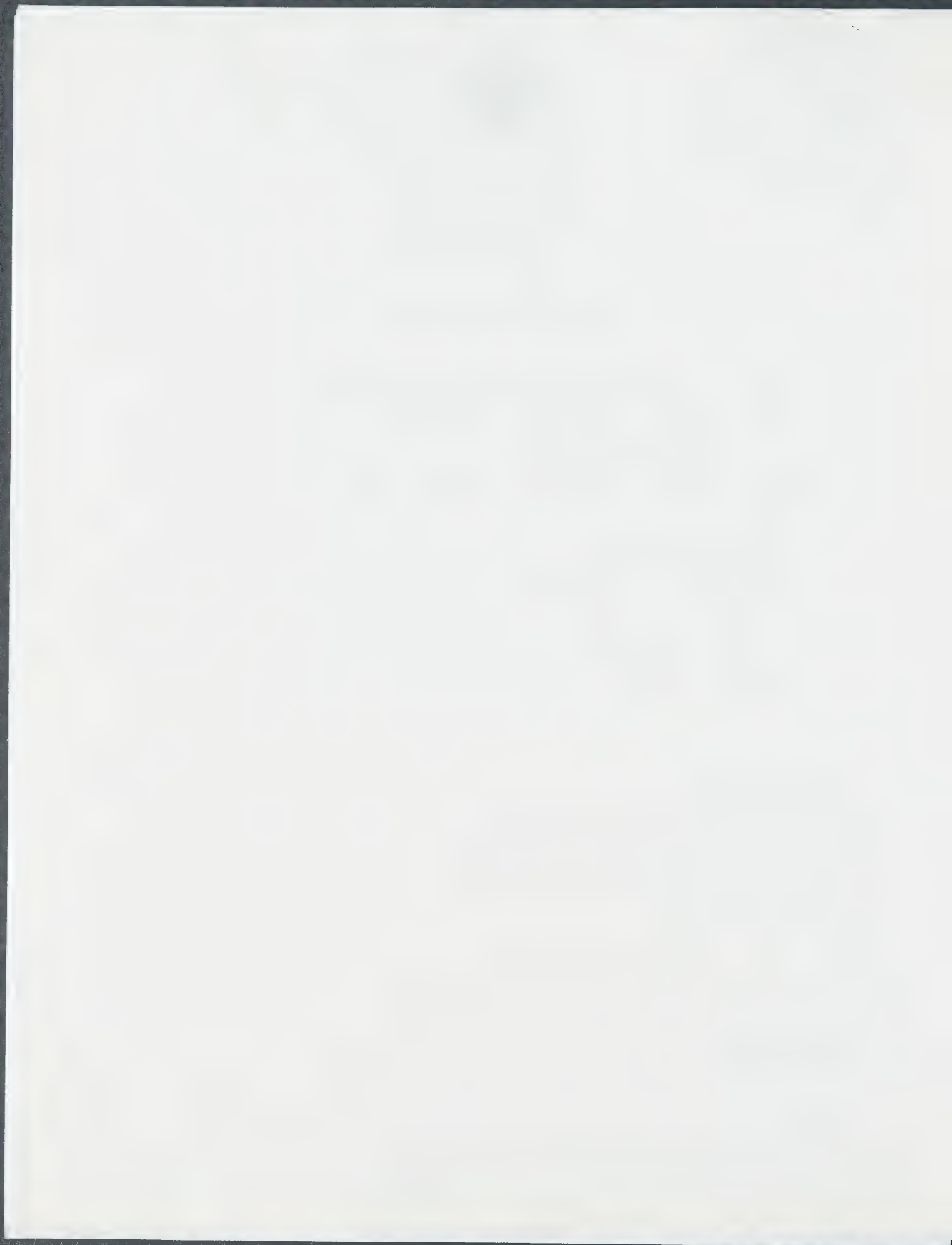


ALFRED BADER TALKS

1. History of the Aldrich Chemical Co. (A) [*overhead projector/screen*]
2. Josef Loschmidt--The Father of Molecular Modelling (A) [*overhead projector/screen*]
3. Richard Anschütz, Archibald Scott Couper and Josef Loschmidt (A) [*overhead projector/screen*]
4. The Bible through Dutch Eyes (B) [*2 slide projectors/screens*]
5. The Adventures of a Chemist Collector (C) [*2 slide projectors/screens*]
6. Jan Lievens: Out of the Shadow (D) [*2 slide projectors/screens*]
7. The Rembrandt Research Project and the Collector (D) [*1 slide projector/screen*]

- A. For chemists only
- B. For art historians, theologians, Bible students
- C. Mainly on art, art conservation, some chemistry
- D. For art historians

August 30, 1995



FAX FROM

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

January 18, 1996

TO: Professor Virginia Bryan
Department of Chemistry
Southern Illinois University
Fax: 618/692-3174

Dear Professor Bryan:

In response to your fax of today, lectures from Tuesday through Thursday, April 16th through 18th, are just fine. If you wish, I could be in Edwardsville earlier on Tuesday and also give a lecture in the afternoon.

Referring to my fax of September 27th, please confirm the titles of the lectures and the honorarium.

Isabel and I much look forward to being with you in April.

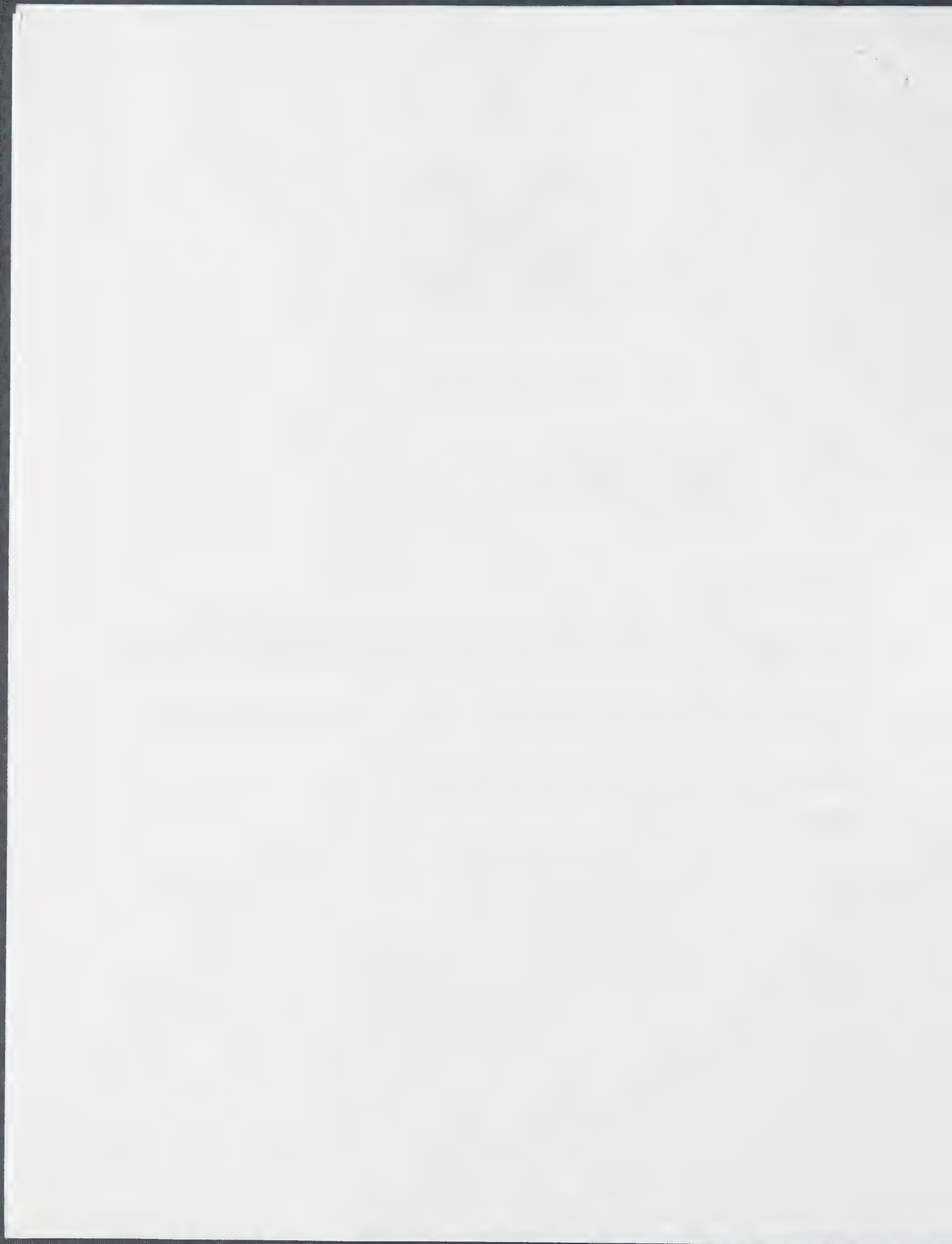
With best regards, I remain,

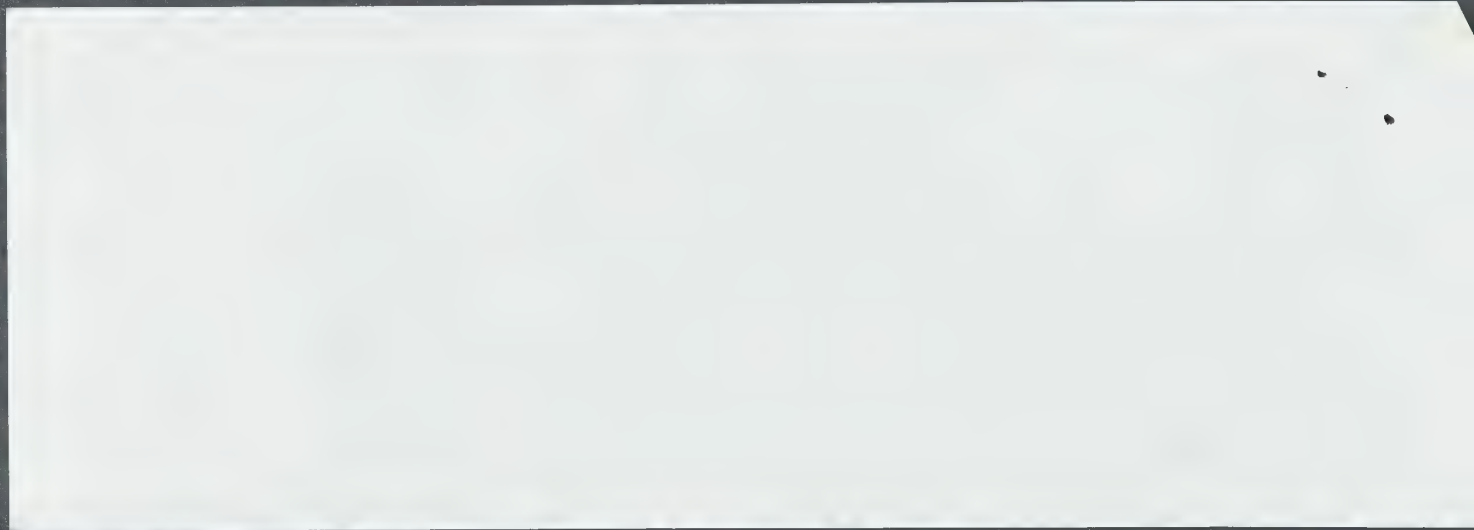
Yours sincerely,

AB/cw

Dear Prof. Bryan
I am trying to finalize
my April schedule &
would appreciate your reply
Thank
and best regards
Alfred Bader

19 / 96







FAX FROM

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

January 18, 1996

TO: Professor Virginia Bryan
Department of Chemistry
Southern Illinois University
Fax: 618/692-3174

Dear Professor Bryan:

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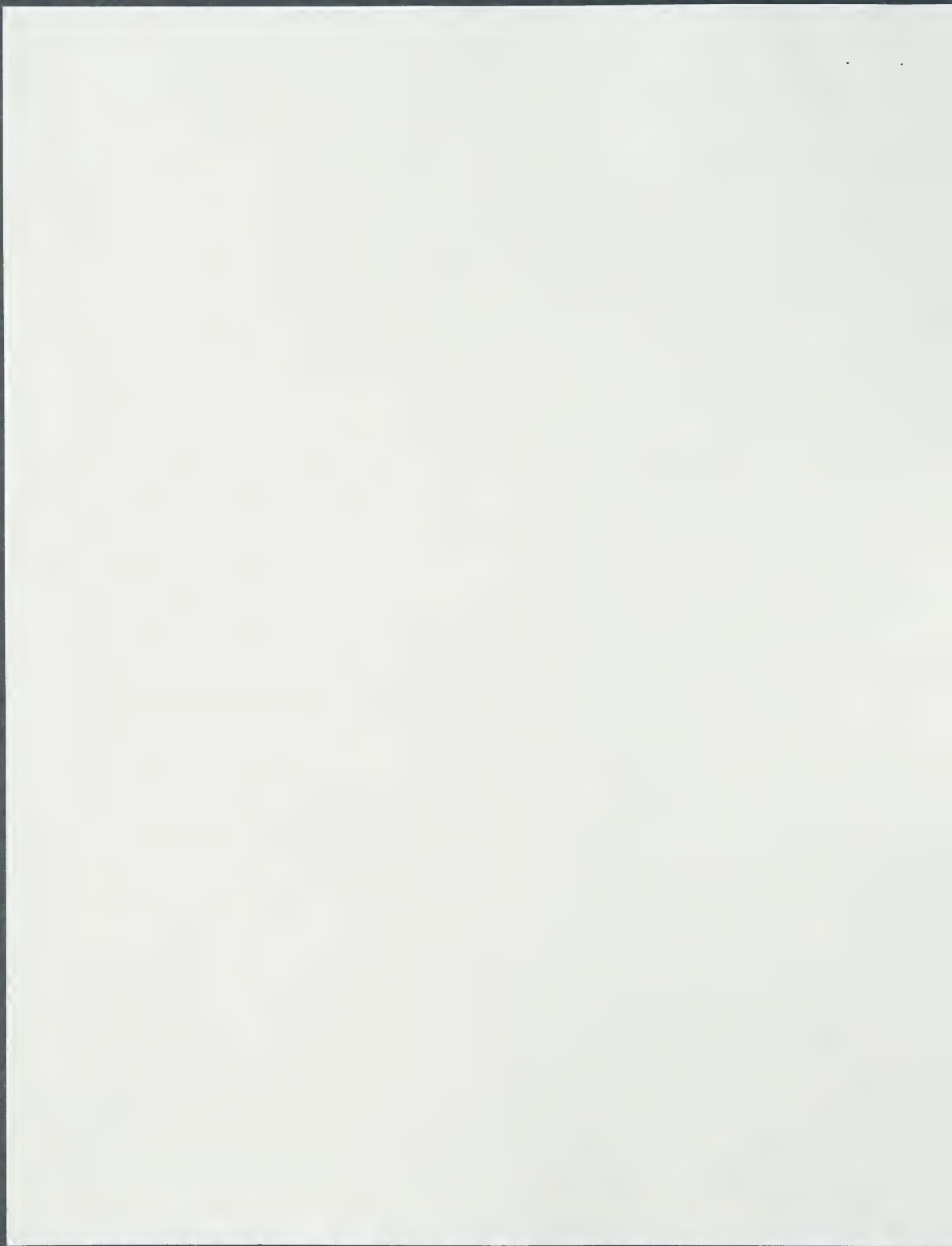
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Isabel and I much look forward to being with you in April.

With best regards, I remain,

Yours sincerely,

AB/cw



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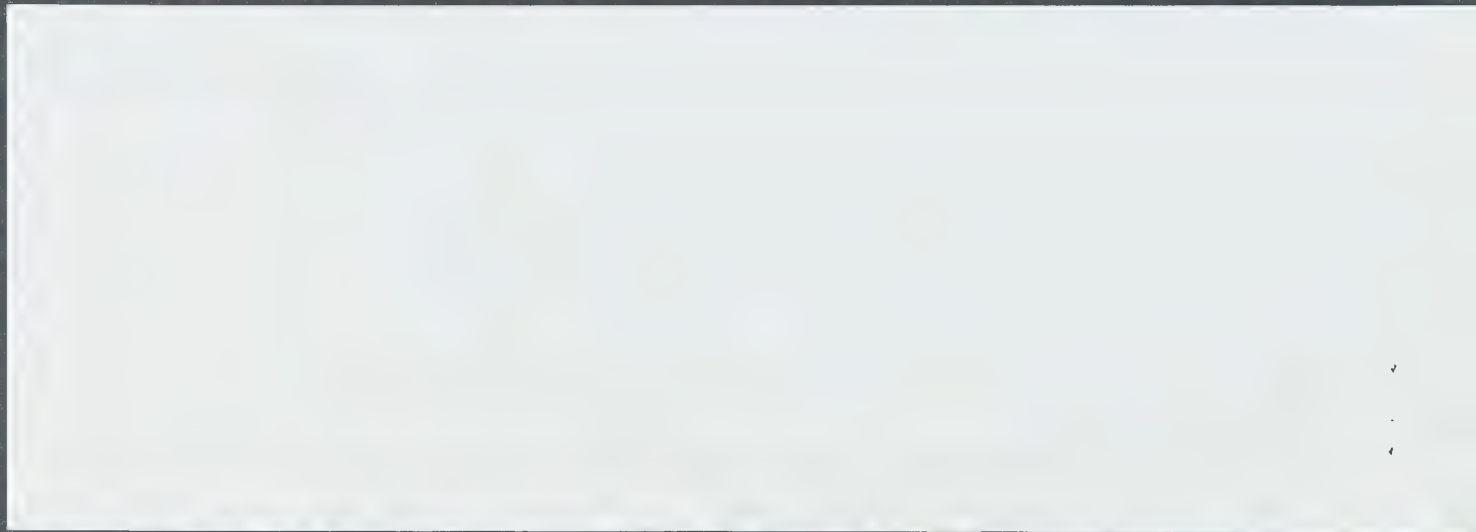
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Southern Illinois University at Edwardsville

*College of Arts and Sciences
Office of Science and Mathematics Education*

FAX TRANSMITTAL

To: — — — Alfred Badet FAX 414-277-0709

From: — — — Virginia Bryan FAX 618-692-3556

Date: 01/19/95

Time: 1:00

In case I should miss your call today, let me catch up on where I am with arrangements for your visit in April. I am financing rooms for talks, starting Tuesday evening, April 16th and ending with a Thursday evening lecture, April 18th. This will give you Friday for travel to Milwaukee for the week-end.

If these dates and time need to be adjusted, please let me know. I will send complete arrangements next week, along with motel accomodations and maps.

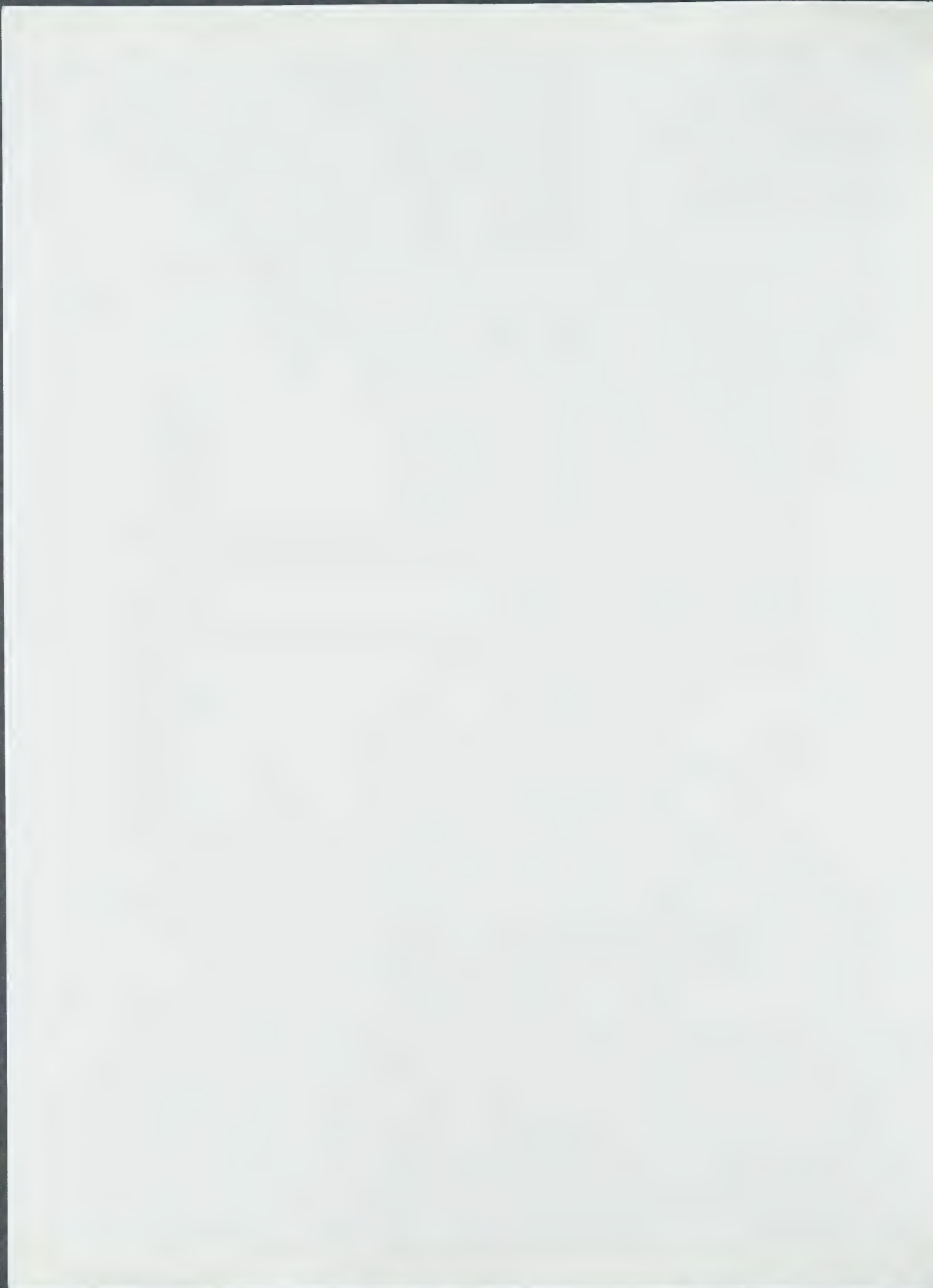
My best wishes for this new year.

Sincerely,

Virginia Bryan

No. of Pages including this sheet: 1

If there is an error in transmittal, please call my office at (618) 692-3557



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

A Chemist Helping Chemists

September 27, 1995

Via Fax: 618/692-3147 - Page 1 of 5

3174

Professor Virginia Bryan
Department of Chemistry
Southern Illinois University
Rm 2325, Science Bldg.
Edwardsville, IL 62026-1652

Wed eve
Thu. aft/eve
Fri. aft/eve
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19th
20th
instead?

Dear Professor Bryan:

Thank you so much for your letter of September 19th regarding the Probst Lecture.

Since corresponding with Professor Wilbraham last May, my calendar has filled up very much indeed for next spring.

For me, the best schedule would be being with you from late afternoon of Tuesday, May 7th through May 9th. Is that possible?

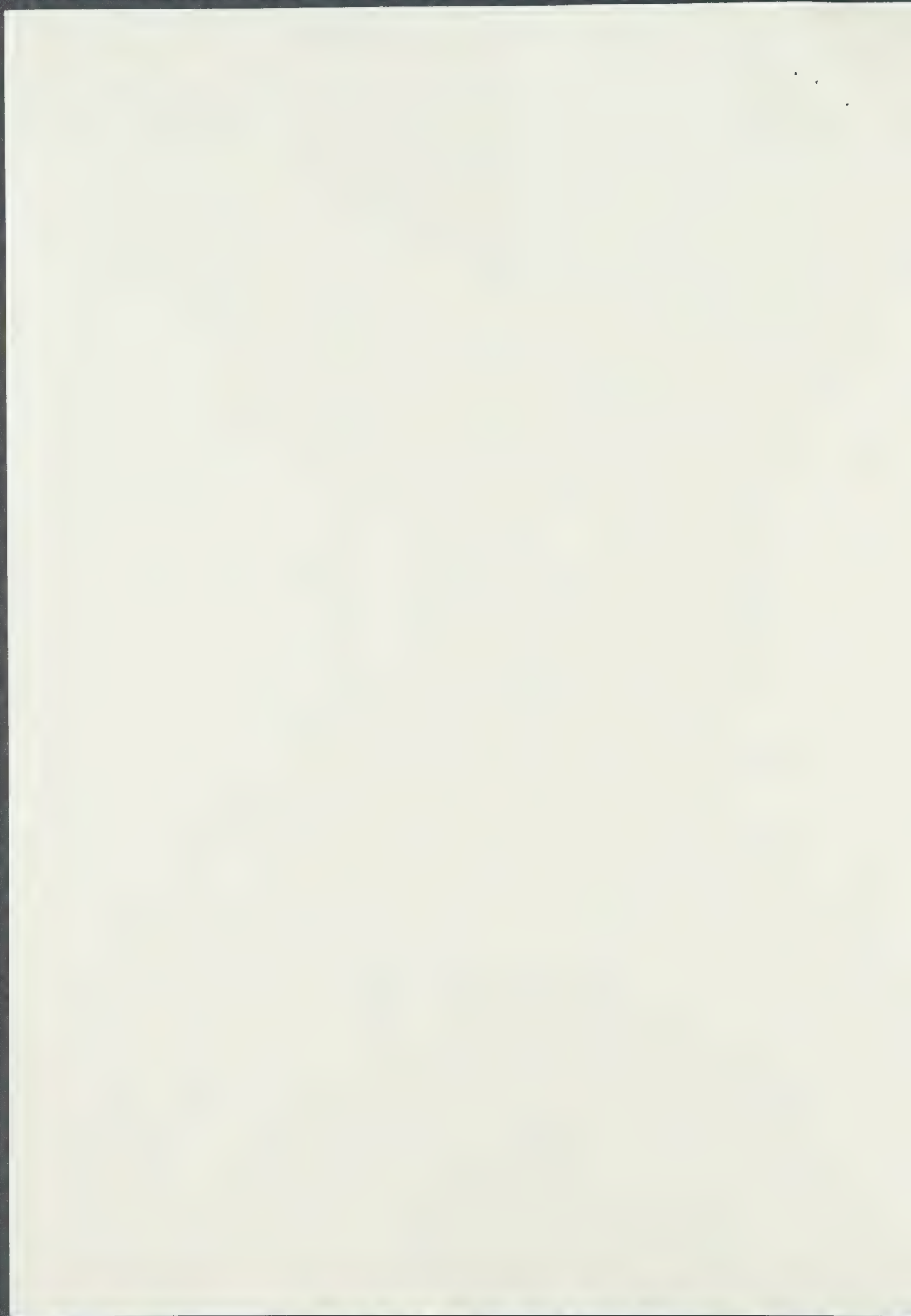
Regarding lectures, I would suggest for the evening lecture Talk #5 of my enclosed, revised 'menu'.

For art historians, theologians and everyone interested in the Bible, Talk #4 would be suitable. If you have a Jewish community in Edwardsville, you could sub-title it "Rembrandt and the Jews".

For chemists interested in the history of chemistry, I would suggest Talk #3 dealing with Anschütz' discovery of the works of Couper and Loschmidt.

For chemists, aspiring entrepreneurs and business majors, please consider Talk #1 on the history of Aldrich.

If you have a substantial number of art historians and collectors of paintings, you might also consider Talk #7 on the Rembrandt Research Project and the collector.



Professor Virginia Bryan
September 27, 1995
Page 2

I would not mind at all giving 5 talks in those 2-1/2 days.

My wife, Isabel, and I will drive from Milwaukee to Edwardsville, and the cost is then surely very much less than flying to St. Louis.

You might like to consider one or two book-signings for people interested in my autobiography. I enclose a couple of reviews of that book. It retails for \$25.00, but we could bring the books along, and provided that you sell a minimum of ten, the selling organization can acquire them for \$12.50 each and sell them at \$25.00.

Surely you have a set honorarium for a Probst lecturer, and I look forward to your letting me know about that.

Just a couple of weeks ago, I gave 7 lectures at Baylor University and the Art Center of Waco, a visit arranged by Professor Al Pinkus. You might like to discuss the suitability of the talks with Professor Pinkus, whose telephone number is 817/755-3311 and whose fax number is 817/755-2403.

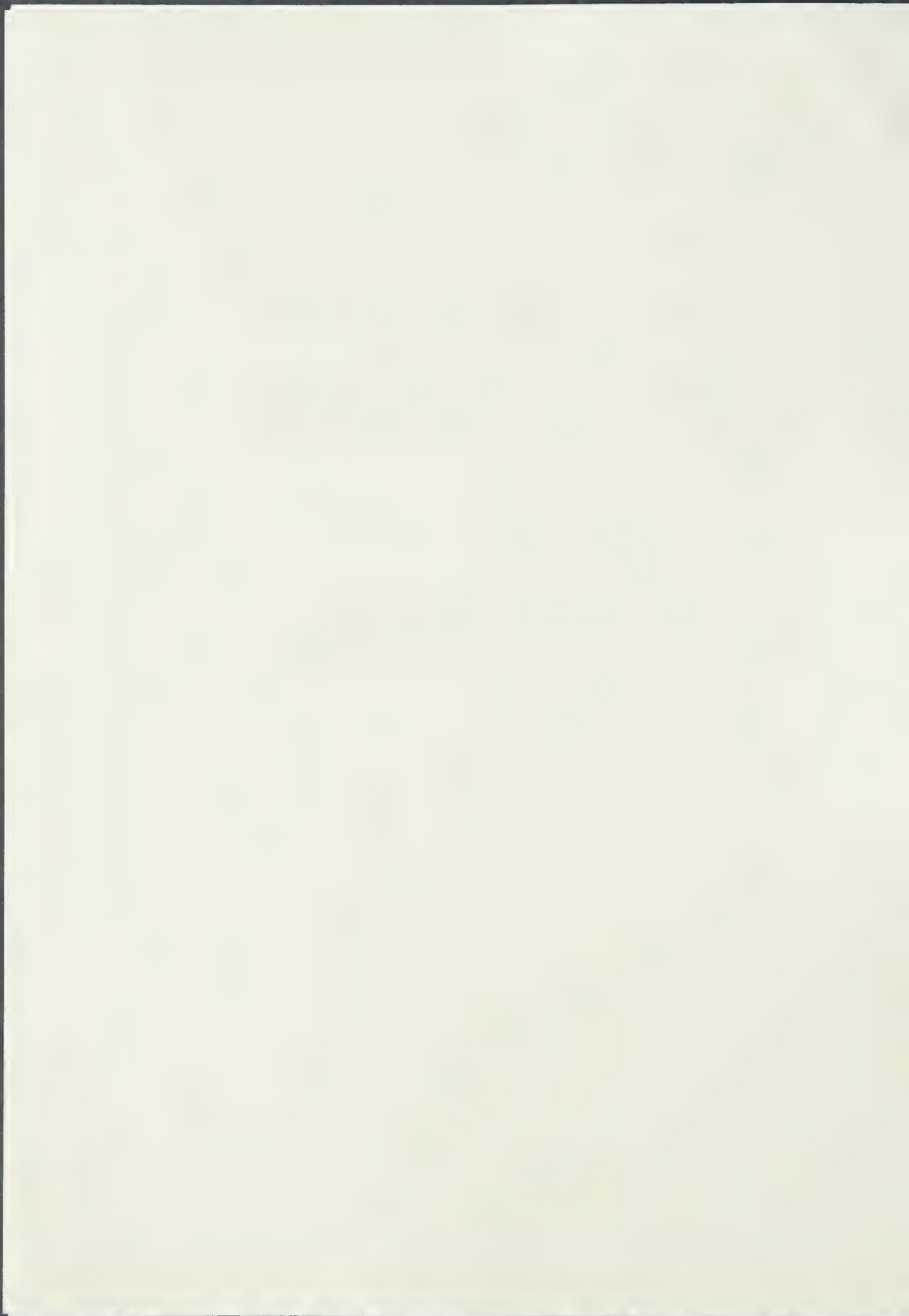
With all good wishes, I remain,

Yours sincerely,

A handwritten signature in blue ink, appearing to read "Anna Bacon". The signature is fluid and cursive, with a large initial "A" and a long, sweeping underline.

AB/cw

Enclosures



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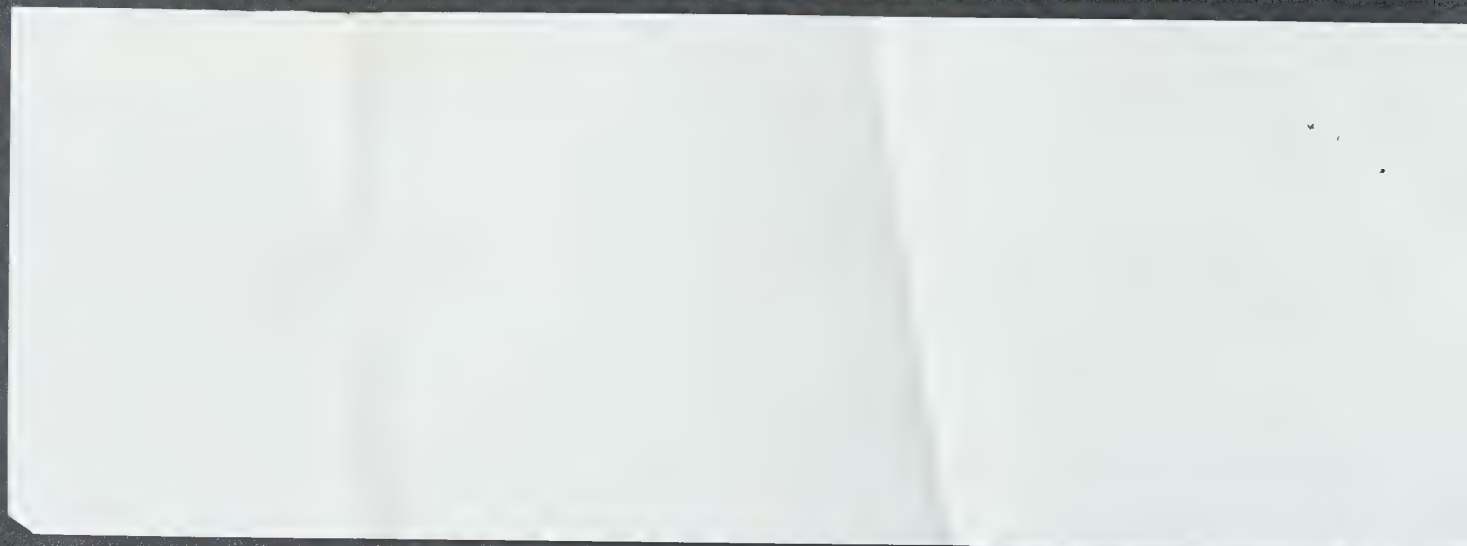
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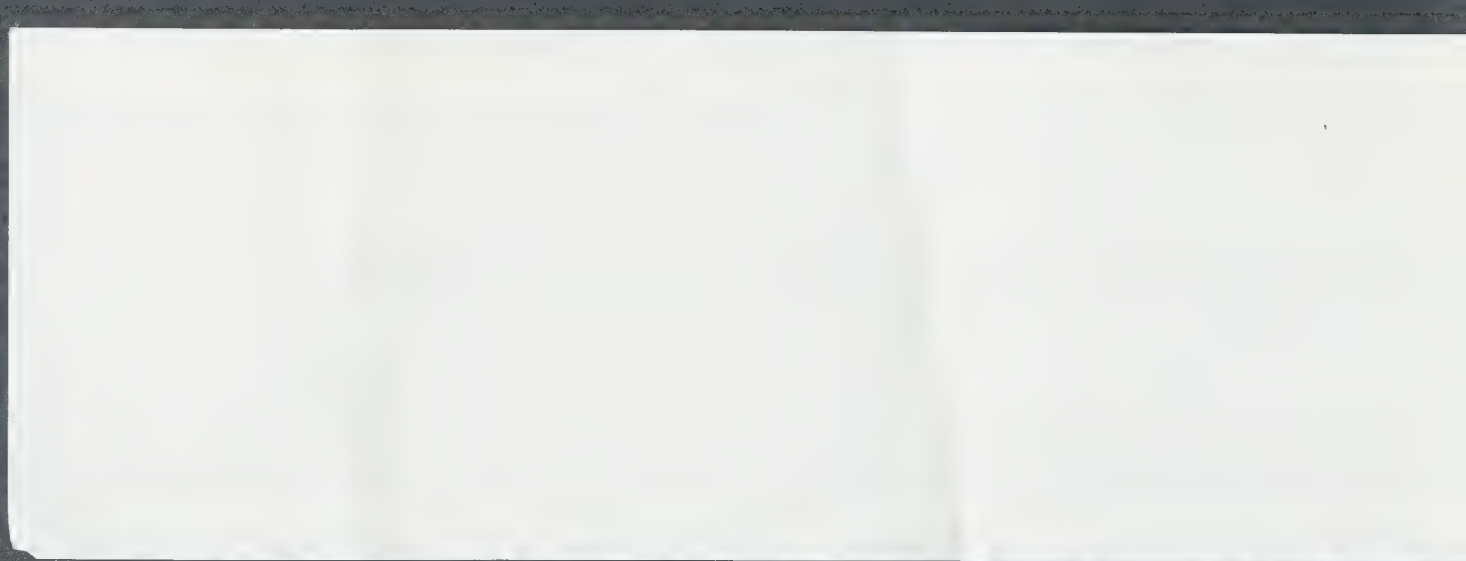
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FAX FROM

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

A Chemist Helping Chemists

October 31, 1995

TO: Professor Virginia Bryan
Department of Chemistry
Southern Illinois University
Fax: 618/692-3174

Dear Professor Bryan:

Thank you for your call while I was away in Canada.

I am happy to know that you could arrange for me to give the talks during the week of April 15th. If at all possible, we always like to be home in Milwaukee on Friday evening and Saturday, and I am wondering whether you could arrange the talks to be held from Tuesday, April 16th through Friday morning, April 19th. We could then leave on Friday noon and be home Friday evening.

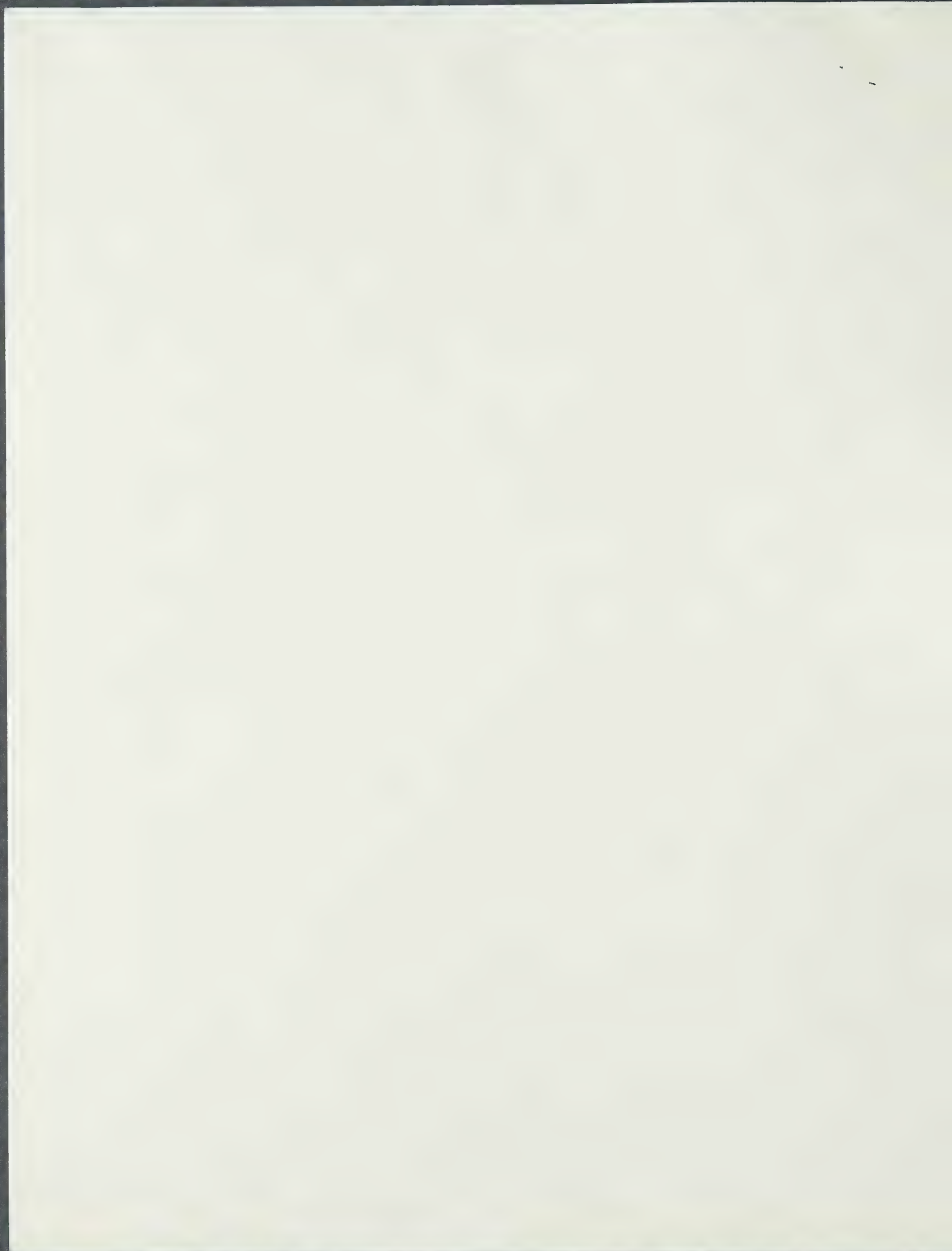
As I mentioned before, I would be happy to give four or five talks.

I will be in my office the rest of this week; please call if you would like to discuss the schedule.

With all good wishes, I remain,

Yours sincerely,

AB/cw



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*College of Arts and Sciences
Department of Chemistry*

September 19, 1995

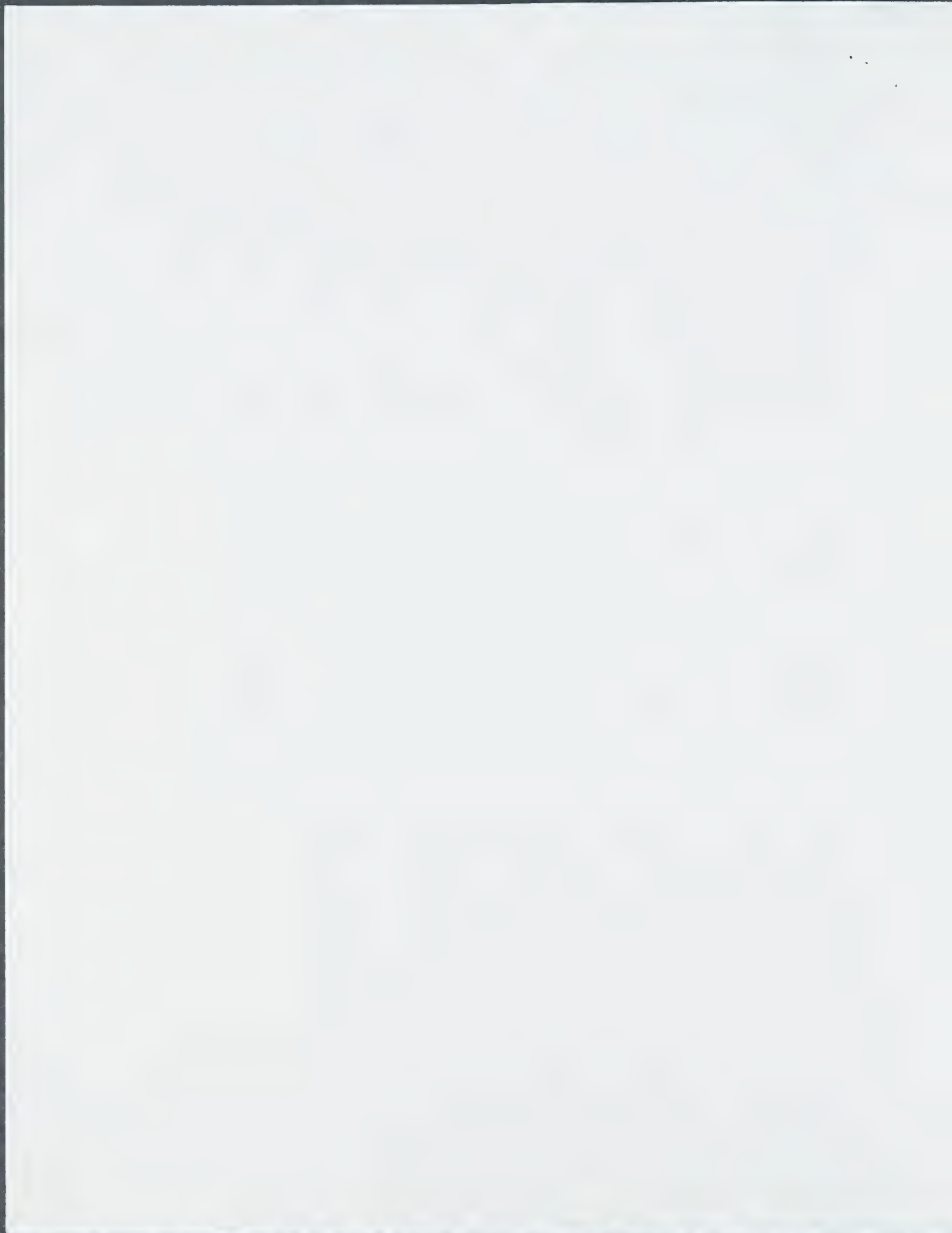
Dr. Alfred Bader
2962 North Shepard Avenue
Milwaukee, Wisconsin 53211

Dear Dr. Bader:

Much has happened at SIUE since you were invited to be our 1996 Probst Lecture. Dr. Antony Wilbraham has retired from the department, the Department of Chemistry as part of the School of Sciences has been merged with other schools to form a College of Arts and Sciences, and we have received additional support for our Probst Lecture in the spring. With this letter I hope to reconfirm your acceptance, suggest a time frame for your consideration, and start planning for your lectures and the accompanying events.

Our spring semester starts early in January so our break week is March 4th through March 8th. The Probst Lecture could be scheduled anytime from March 11th through April 17th with only March 27th -29th as "very inconvenient dates" but not impossible dates on my calendar. Please let me know of the best times for you. I would expect that you would visit the university and department for two or three days, presenting an evening lecture for the whole university and general public and an afternoon lecture directed toward faculty and students in chemistry. We have included social and student-oriented activities to make the lecture series an event to show-case chemistry as a profession and chemists as people with many interests.

For the evening lecture I would suggest one of your talks on art, art conservation, and some chemistry. "The Adventures of a Chemist Collector" or "The Detective's Eye I or II" look most interesting. "On the Unimportance of a Liberal Arts Education" sounds intriguing, especially since we have just formed our integrated college. The afternoon talk, mainly for chemistry majors and



faculty, might do well with the "History of the Aldrich Chemical Co." or either of your slide shows, "Josef Loschmidt--The Father of Molecular Modeling" or "Richard Anschutz: Acts of Atonement". Our general theme for many events this year in the College of Arts and Sciences is the importance of a general education for all students.

As Dr. Wilbraham stated, we will provide transportation and accommodations and coordinate travel arrangements as desired. We do need to negotiate the dates and the amount of an honorarium for your visit. We are excited about having you as our first lecturer under the new umbrella of a College of Arts and Sciences, exemplifying the scholar and professional with interests in both the arts and sciences.

Please write or call so we make start to establish dates and an agenda for our 1996 Probst Lecture.

Sincerely,



Virginia R. Bryan
Department of Chemistry
Southern Illinois University at Edwardsville
Edwardsville, IL 62026-1652

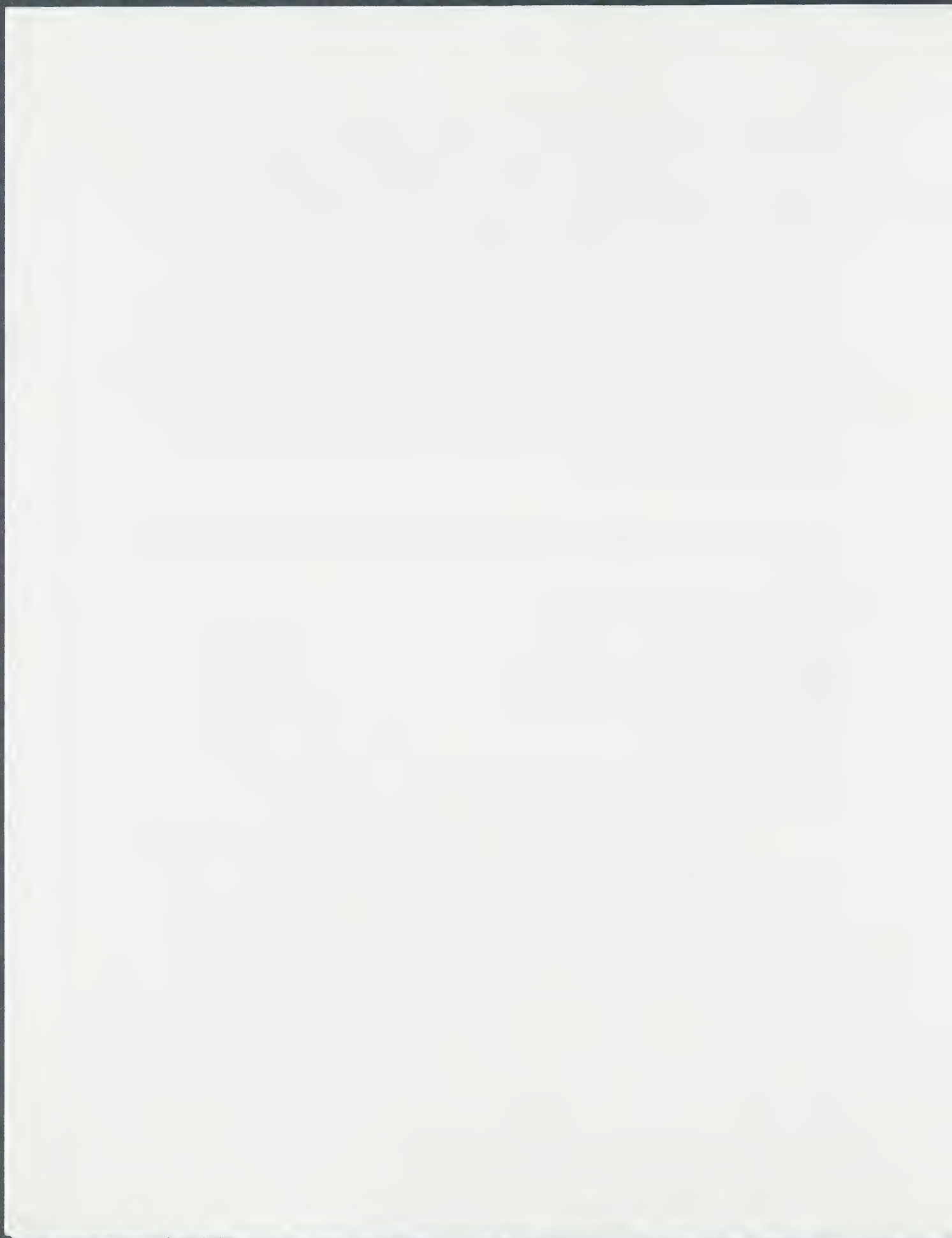
Phone (618) 692-3557

FAX (618) 692-3147 or 5050

E-mail vbryan@siue.edu

AL Tues May 7

Time 7-8-9



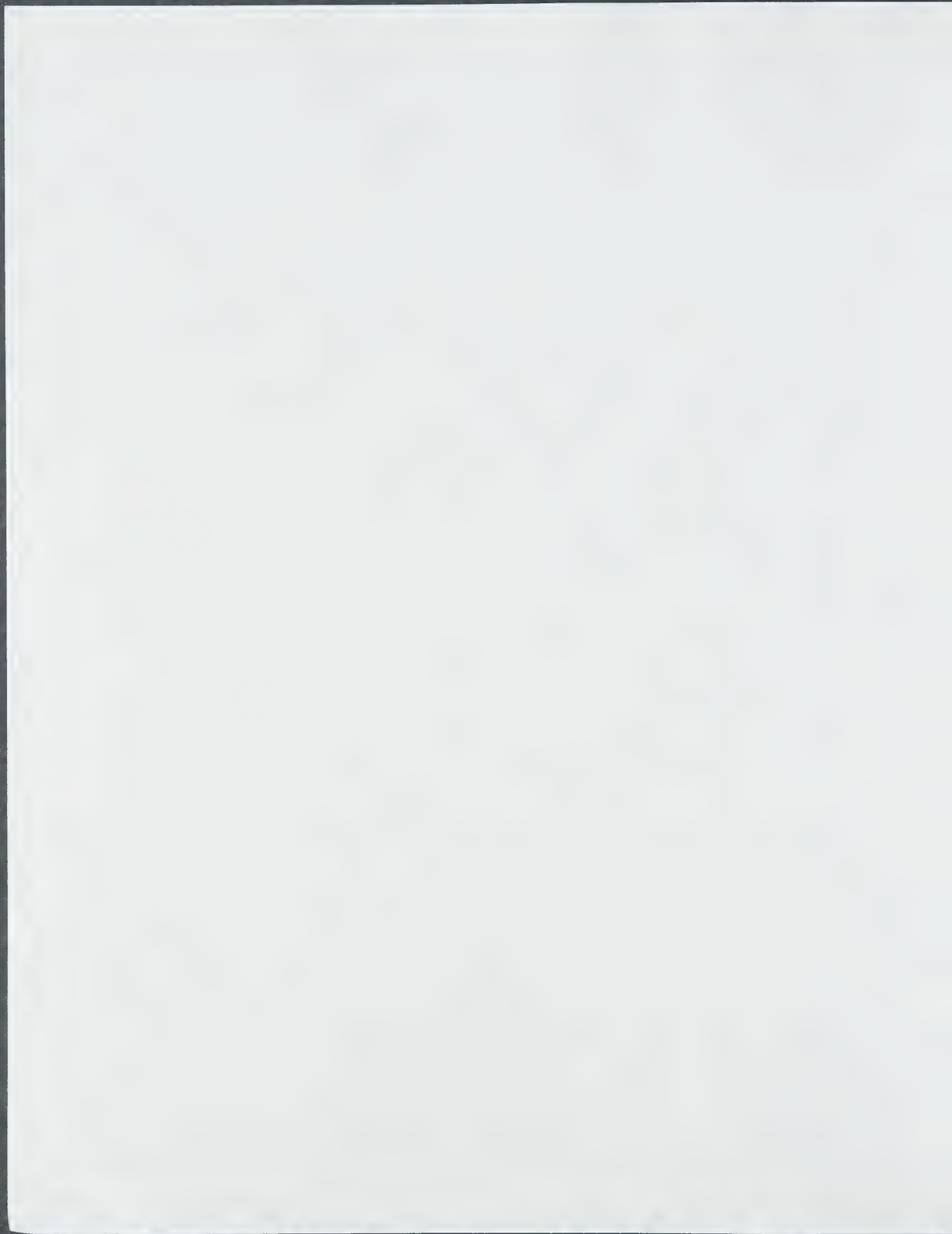


ALFRED BADER TALKS

- * 1. History of the Aldrich Chemical Co. (A) [*overhead projector/screen*]
2. Josef Loschmidt--The Father of Molecular Modelling (A) [*overhead projector/screen*]
- * 3. Richard Anschütz, Archibald Scott Couper and Josef Loschmidt (A) [*overhead projector/screen*]
- * 4. The Bible through Dutch Eyes (B) [*2 slide projectors/screens*]
- * 5. The Adventures of a Chemist Collector (C) [*2 slide projectors/screens*]
6. Jan Lievens: Out of the Shadow (D) [*2 slide projectors/screens*]
7. The Rembrandt Research Project and the Collector (D) [*1 slide projector/screen*]

- A. For chemists only
- B. For art historians, theologians, Bible students
- C. Mainly on art, art conservation, some chemistry
- D. For art historians

August 30, 1995



May 24, 1994

Professor Antony C. Wilbraham
Department of Chemistry
Room 2325, Science Building
Southern Illinois University
Edwardsville, Illinois 62026 1652

Dear Professor Wilbraham:

I am honored by your invitation of May 20th to be your William J. Probst Lecturer in April of 1996.

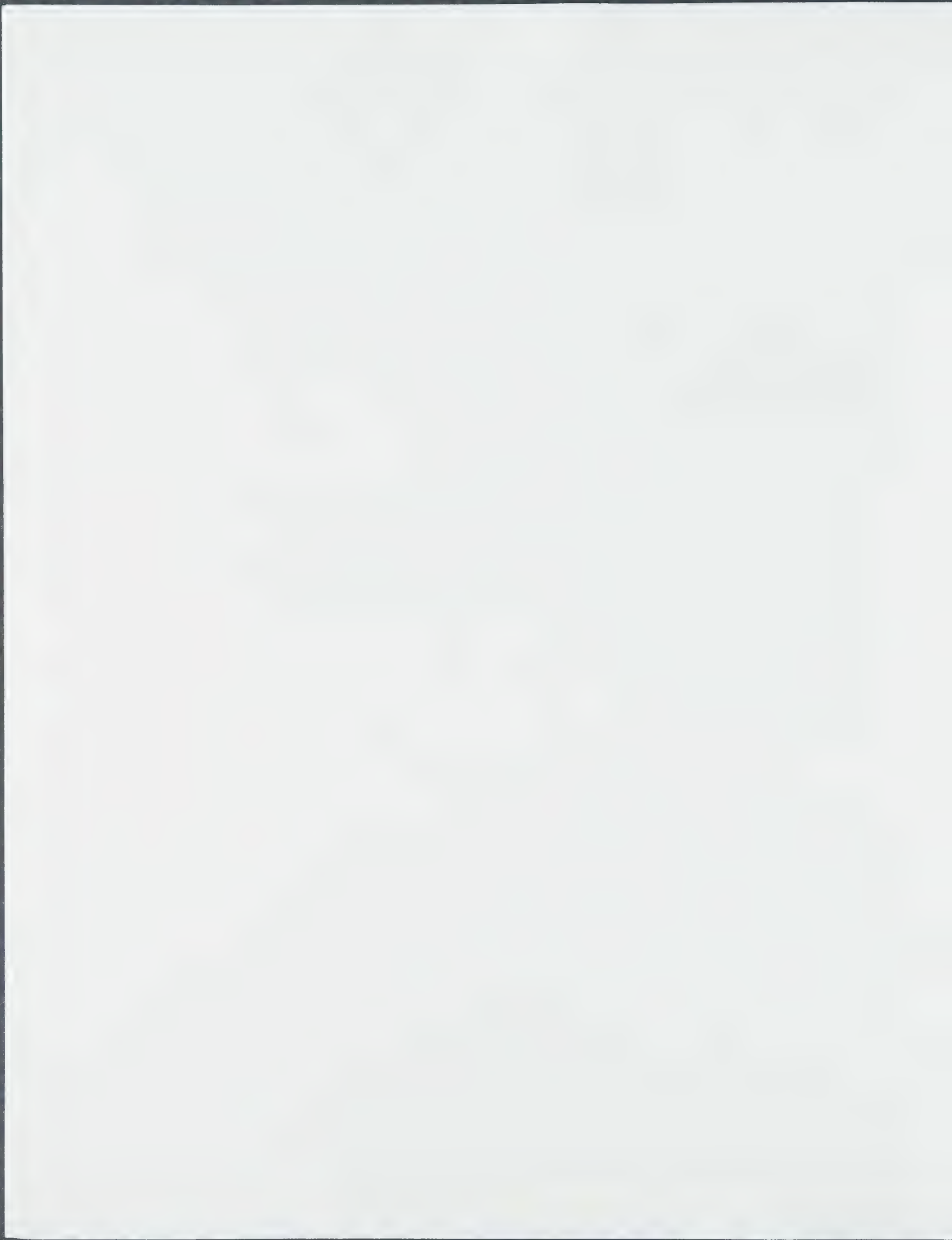
I accept with pleasure, provided we can arrange for a date in April which does not conflict with Passover and the week that I usually spend as an A.C.S. lecturer.

My "menu" of lectures is enclosed.

Best personal regards.

Sincerely,

Enclosure



SIUE Southern Illinois University at Edwardsville

School of Sciences
Department of Chemistry

May 27, 1994

Important

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

Dear Dr. Bader:

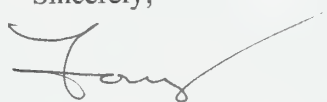
I am delighted that you have accepted our invitation to be the William J. Probst Lecturer in 1996.

Later, and we have almost 2 years to make the decision, we will chose from your fascinating "menu" of lectures. We will also select a date for your visit to SIUE that does not conflict with your other obligations.

Thank you once again for agreeing to be the Probst Lecturer in 1996.

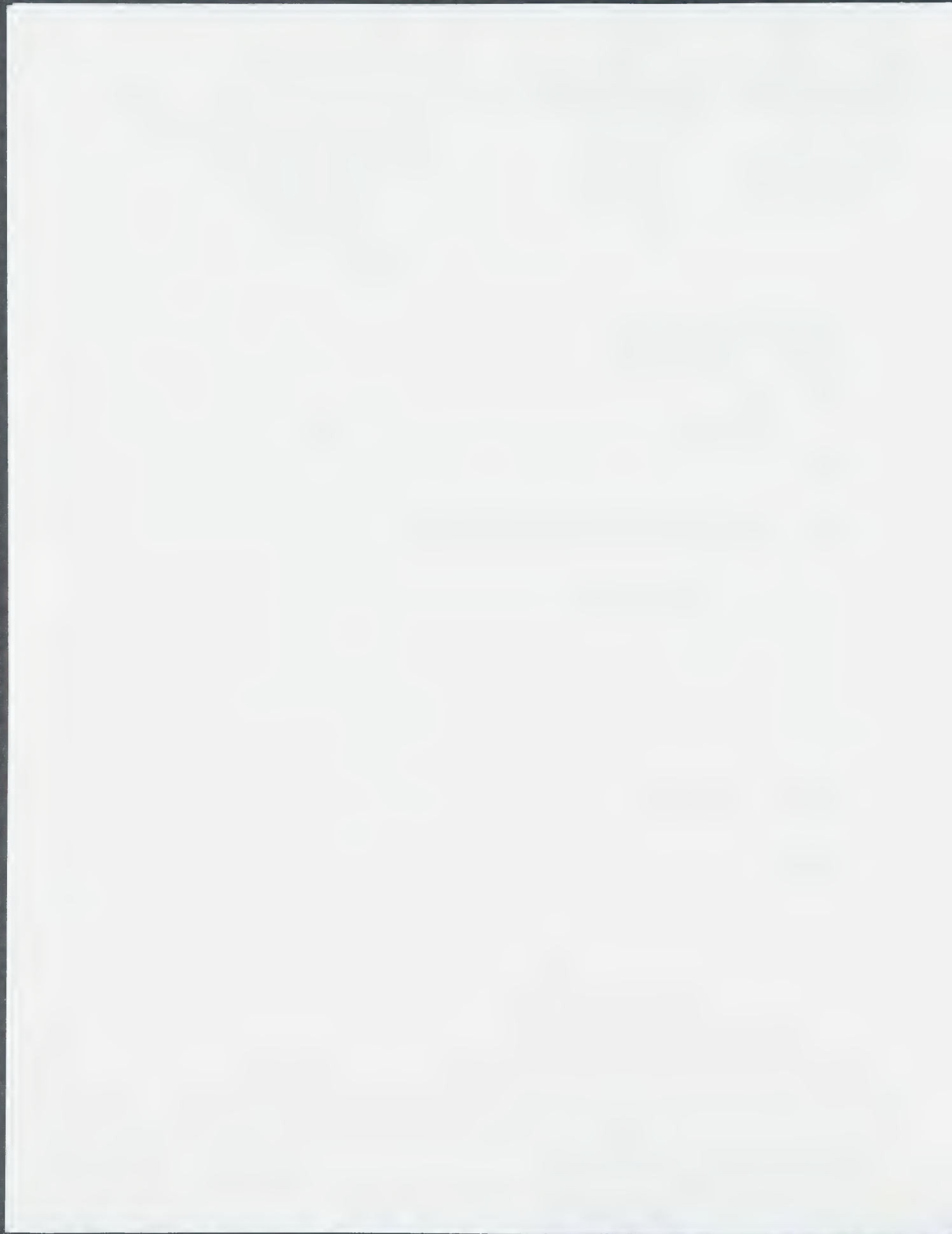
Best personal regards.

Sincerely,



Antony C. Wilbraham
Professor and Acting Chair

ACW.dfg



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

May 24, 1994

Professor Antony C. Wilbraham
Department of Chemistry
Room 2325, Science Building
Southern Illinois University
Edwardsville, Illinois 62026 1652

Dear Professor Wilbraham:

I am honored by your invitation of May 20th to be your William J. Probst Lecturer in April of 1996.

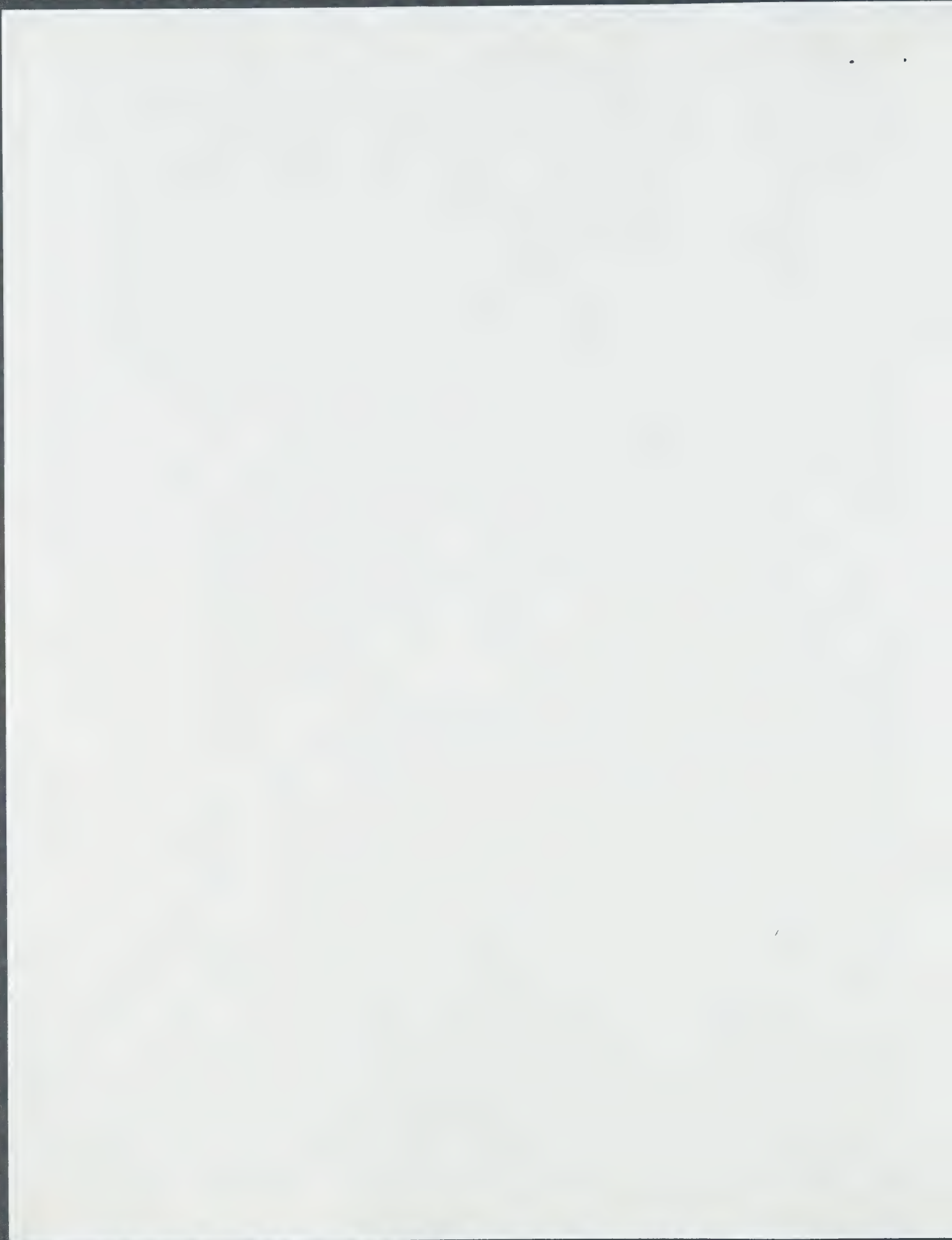
I accept with pleasure, provided we can arrange for a date in April which does not conflict with Passover and the week that I usually spend as an A.C.S. lecturer.

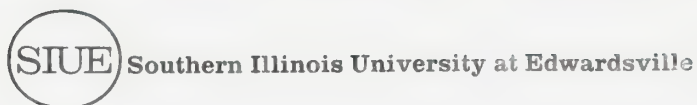
My "menu" of lectures is enclosed.

Best personal regards.

Sincerely,

Enclosure





School of Sciences
Department of Chemistry

May 20, 1994

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

Dear Dr. Bader:

Every year since 1976 the Department of Chemistry at Southern Illinois University at Edwardsville has hosted the William J. Probst Memorial Lecture. The lecture series was instituted as a memorial to Professor Probst, a founding professor in this department who died in 1975. On behalf of the Department of Chemistry at Southern Illinois University at Edwardsville, I would like to invite you to be our Probst Lecture Series speaker in 1996 - to give the twentieth lecture in the series.

The Probst Lecture Series is traditionally held in April, and we would arrange for a two to three day visit of our department and university. In recent years the Probst Lecture Series has consisted of two 45-minute lectures. The first is the plenary lecture, which is usually on a topic that is broad enough in scope to attract a lay audience as well as faculty and students in the sciences. The second lecture usually is directed more toward faculty and students in chemistry. Since its inception, many distinguished scientists have been Probst Lecturers. I have enclosed a list of previous Probst Lecturers and their topics that might interest you. Incidentally, the lecturer for 1995 will be Dr. Roald Hoffman from Cornell University.

We will provide transportation and accommodation while you are our guest, along with an honorarium for the lectures. We would be happy to coordinate your travel in and out of the St. Louis area, if desired. Please feel free to call me if you have any questions.

I hope you will be able to accept our offer and be our 1996 Probst Lecturer.

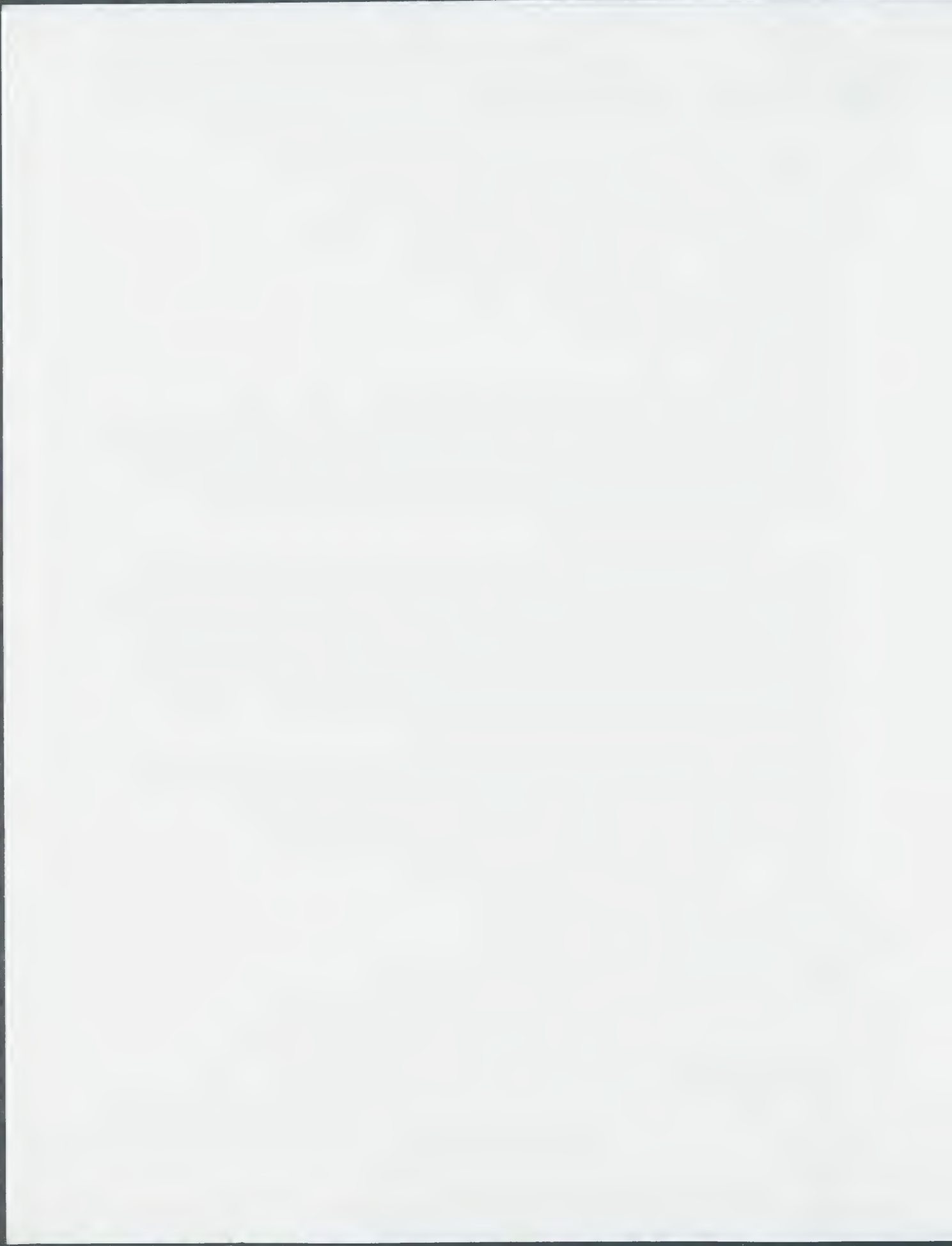
Sincerely,

A handwritten signature in cursive script, which appears to read "Antony C. Wilbraham", is written over a horizontal line.

Antony C. Wilbraham
Professor and Acting Chair

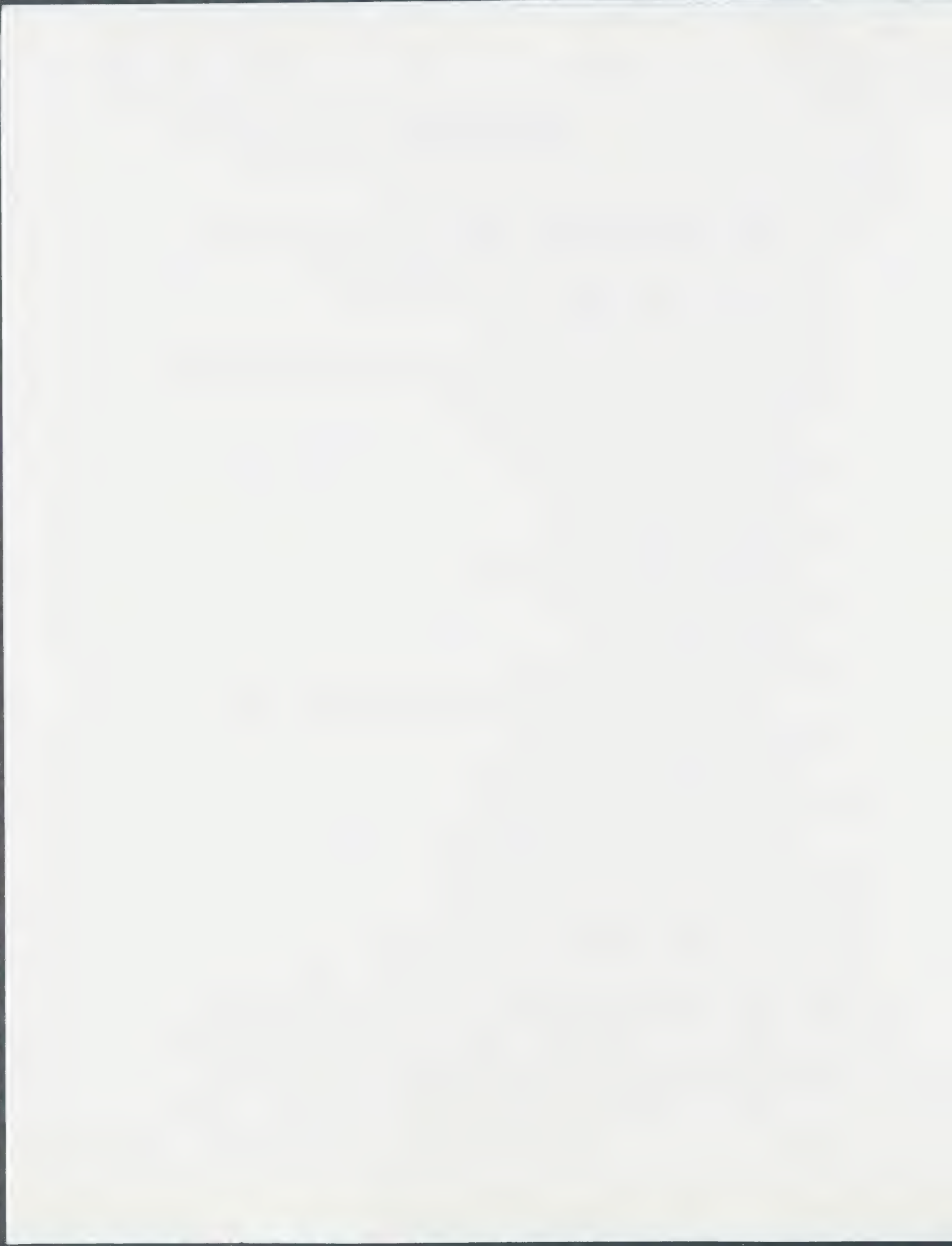
ACW:dfg

phone: 618-692-3563
FAX: 618-692-3174



**Probst Lecture Series
(General Audience)**

- April 9, 1976 - Dr. Robert E. Buckles
"Halogen Addition Reactions: Simple Reactions Which Are Not So Simple"
- April 7, 1977 - Dr. Paul D. Bartlett
"Competing Reaction Mechanisms in Organic Oxidation"
- May 24, 1978 - Dr. Melvin S. Newman
"New Chemistry Involved in Studies on Synthesis of Carcinogenic Compounds"
- April 24, 1979 - Dr. Carl Djerassi
"The Future of Human Birth Control"
- April 21, 1980 - Dr. William N. Lipscomb
"How Do Enzymes Work?"
- May 4, 1981 - Dr. Mildred Cohn
"Nuclear Probes of Enzymatic Reactions"
- April 16, 1982 - Dr. Leo A. Paquette
"The Dodecahedrane Story"
- May 9, 1983 - Dr. Michael Kasha
"A New Look at the History and Design of String Instruments: Guitar, Viola, Violin"
- April 22, 1985 - Dr. Paul G. Gassman
"How to Bend a Carbon-Carbon Bond"
- May 8, 1986 - Dr. Jacqueline K. Barton
"Molecular Travels Along the DNA Strand"
- May 12, 1987 - Dr. John William Birks
"Nuclear Winter - Ultraviolet Spring"
- May 19, 1988 - Dr. Peter Kollman
"Use of Computer Simulations in Chemistry"
- May 10, 1989 - Dr. Norman R. Farnsworth
"Prospects for Finding Anticancer Drugs from Plants and Marine Organisms"
- May 9, 1990 - Dr. Lawrence K. Montgomery
"Organic Superconductors? You Must Be Kidding"



Probst Lecture Series

Page 2

May 9, 1991 - Dr. James L. Dye

"Trapped Electrons in Liquids and Solids"

April 13, 1992 - Dr. Harry W. Kroto

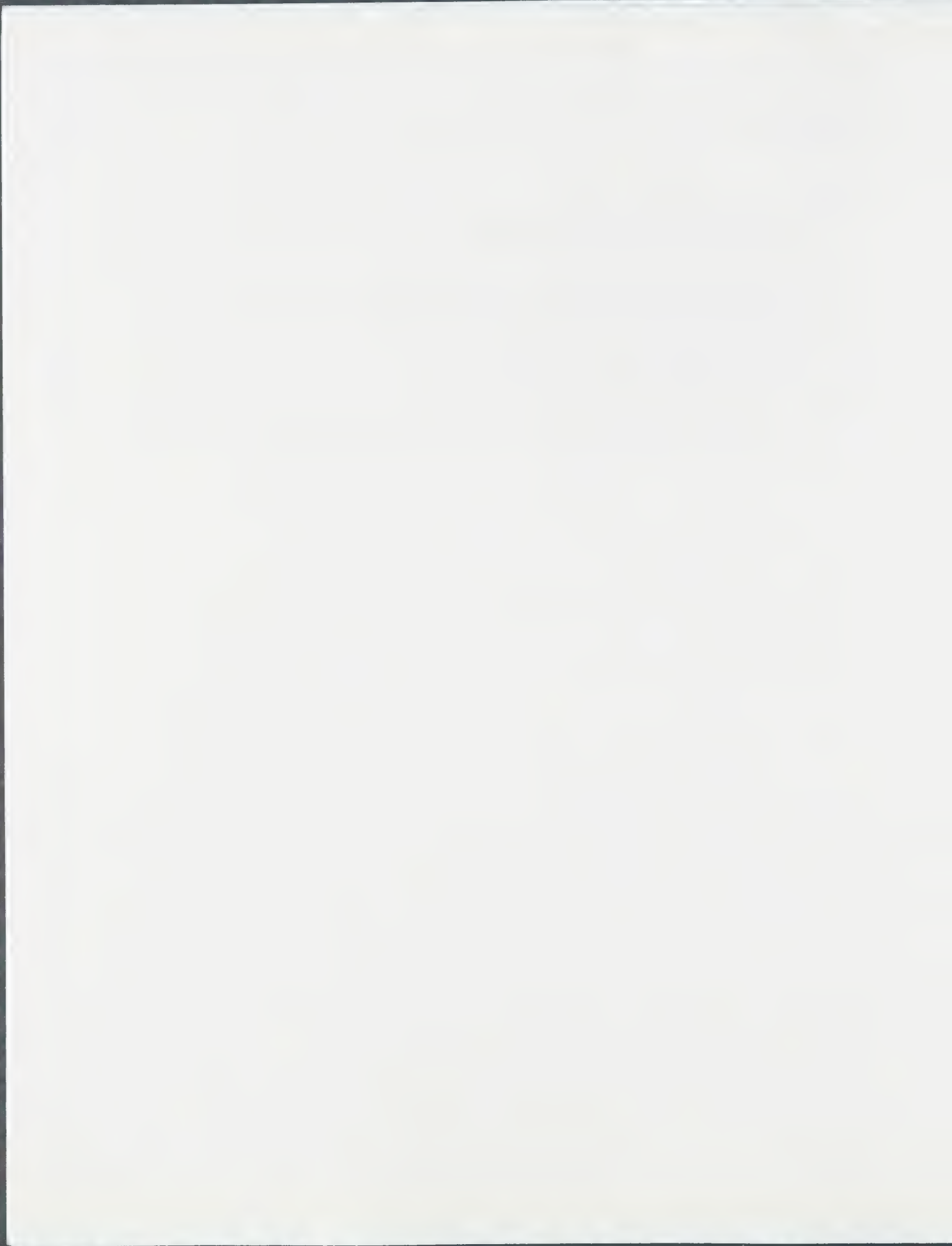
"C₆₀ Buckminsterfullerene, The Celestial Sphere Which Fell to Earth"

May 6, 1993 - Dr. M. Frederick Hawthorne

"Boron Neutron Capture Therapy"

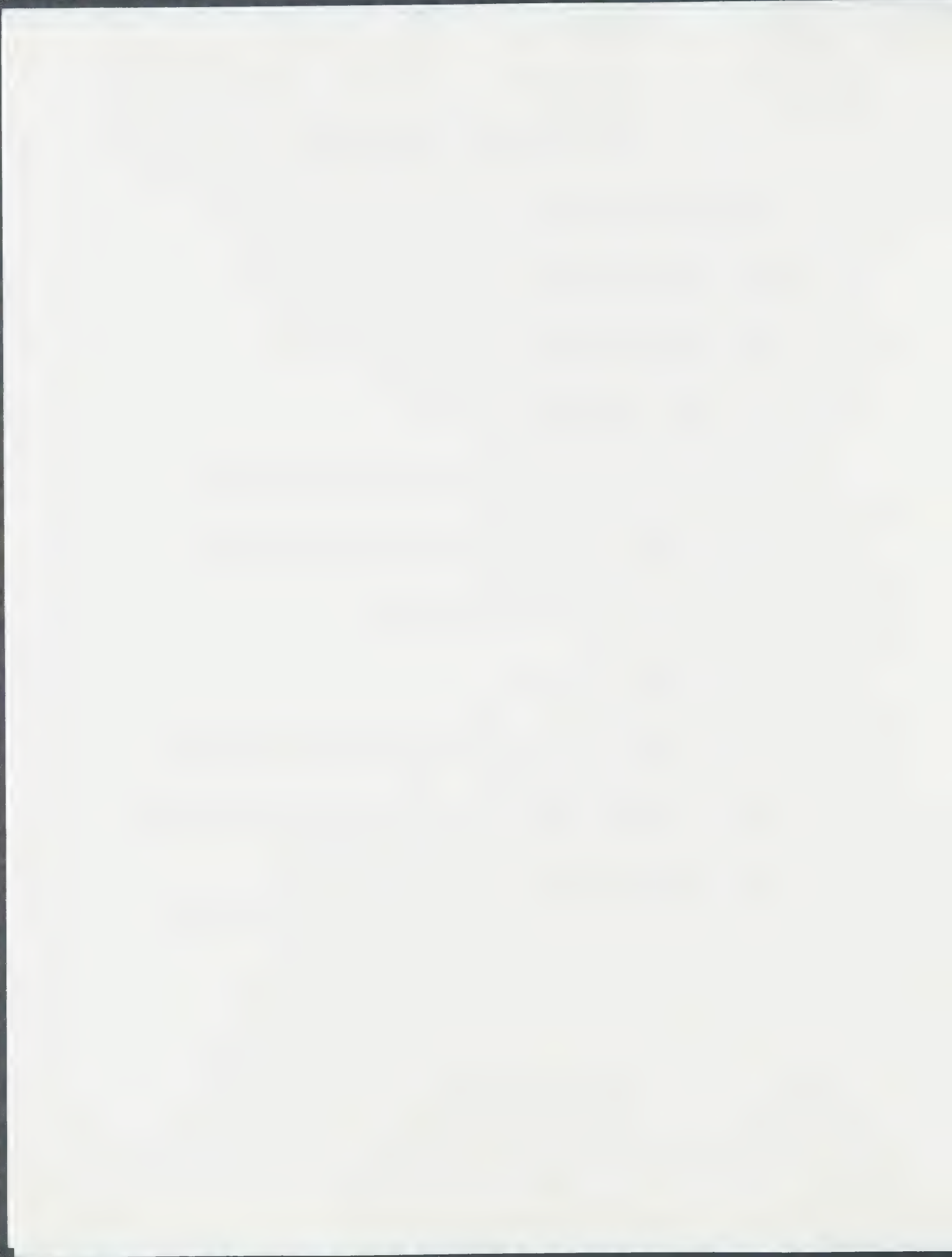
April 14, 1994 - Dr. Terrence C. Owen

"Pretty Colored Chemistry for Biology and Medicine: Better Things for Better Living..."



Probst Lecture Series - Special Seminars

- May 10, 1983 - Dr. Michael Kasha
"Intramolecular Proton Transfer Spectroscopy"
- April 23, 1985 - Dr. Paul G. Gassman
"Electron Transfer from Carbon-Carbon Single Bonds"
- May 9, 1986 - Dr. Jacqueline K. Barton
"Molecular Travels Along the DNA Strand"
- May 13, 1987 - Dr. John William Birks
"Nuclear Winter - Ultraviolet Spring"
- May 20, 1988 - Dr. Peter Kollman
"Free Energy Perturbation Methods in Studies of Macromolecular Properties"
- May 11, 1989 - Dr. Norman R. Farnsworth
"Prospects for Finding Anticancer Drugs from Plants and Marine Organisms"
- May 10, 1990 - Dr. Lawrence K. Montgomery
"Structural Studies of Highly Reactive Carbocations"
- May 10, 1991 - Dr. James L. Dye
"Electride Structures and Properties"
- April 14, 1992 - Dr. Harry Kroto
"The Post-Buckminsterfullerene Round World of Carbon Chemistry and Physics"
- May 4, 1993 - Dr. M. Frederick Hawthorne
"Anti-Crown Chemistry: Electrophilic Metallocyclic Host Supported by Carborane Cages"
- April 15, 1994 - Dr. Terence C. Owen
"Unusual Deacylations: Just How Easily Can You Break a Carbon-Carbon Bond?"



FAX FROM

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

A Chemist Helping Chemists

September 29, 1995

TO: Professor Virginia Bryan
Department of Chemistry
Southern Illinois University
Fax: 618/692-3174

Dear Professor Bryan:

Thank you for your 2-page fax of today.

As you have perhaps learned, I tried to telephone you immediately but could not reach you today. I will try to telephone you again on Monday.

It will be far less expensive and more convenient to drive from here to Edwardsville than to fly to St. Louis and for driving, the later in the spring the better to make sure that we are not held up by a snowstorm.

I could rearrange my schedule to be with you for two or two-and-a-half days in either the week of April 15th or the 22nd.

Regarding the talks, I do hope that you will have a chance to talk to Professor Pinkus, who might tell you that the most interesting of all the talks - at least for non-chemists - is "The Bible through Dutch Eyes". I certainly wouldn't mind giving four talks. At Waco, I was able to give seven but at the Art Museum, there were two talks, one just after the other. That requires a cup of coffee in between.

I will telephone you on Monday to discuss all this.

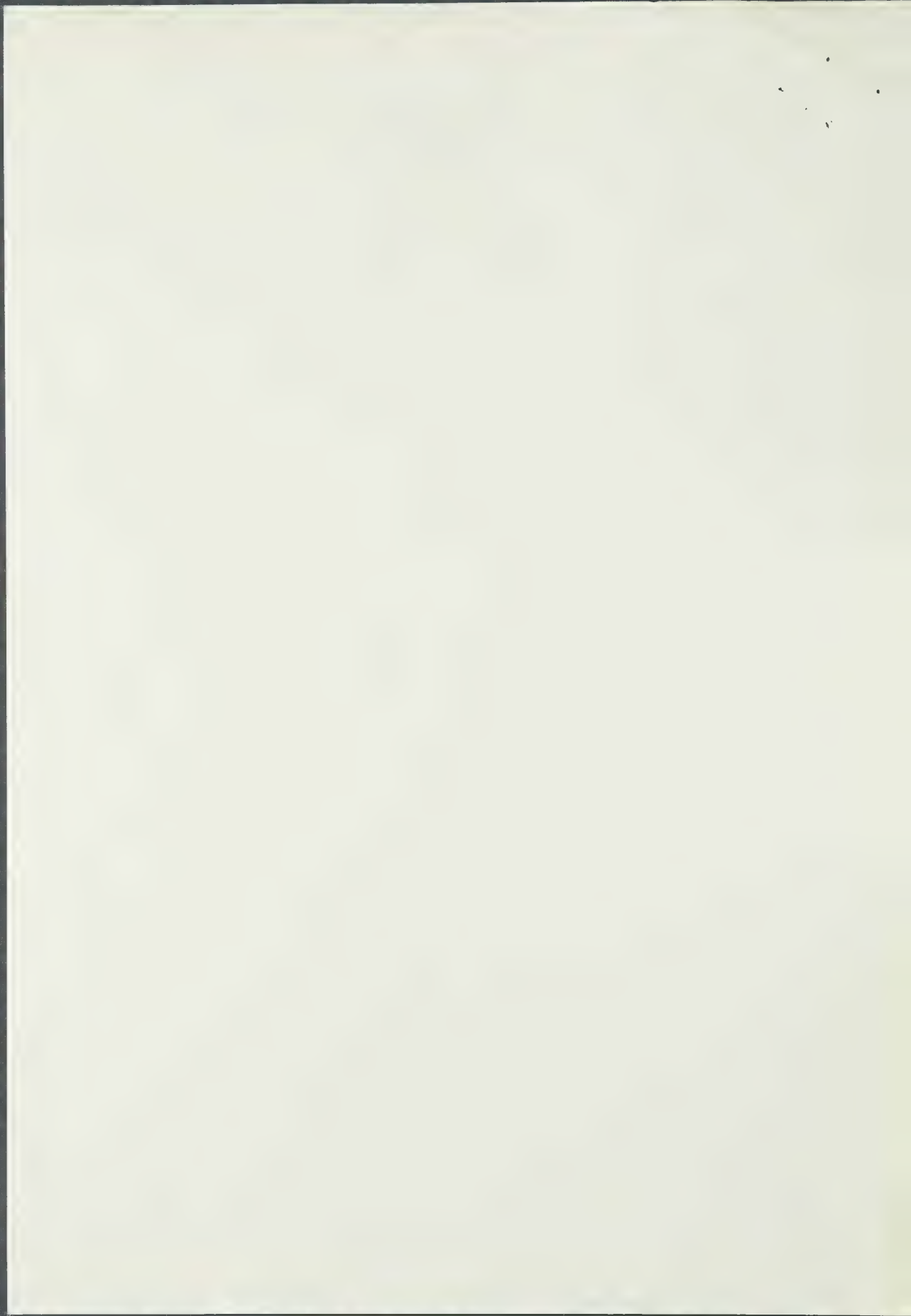
With all good wishes, I remain,

Yours sincerely,



AB/cw

*Please
April 22-24 96*



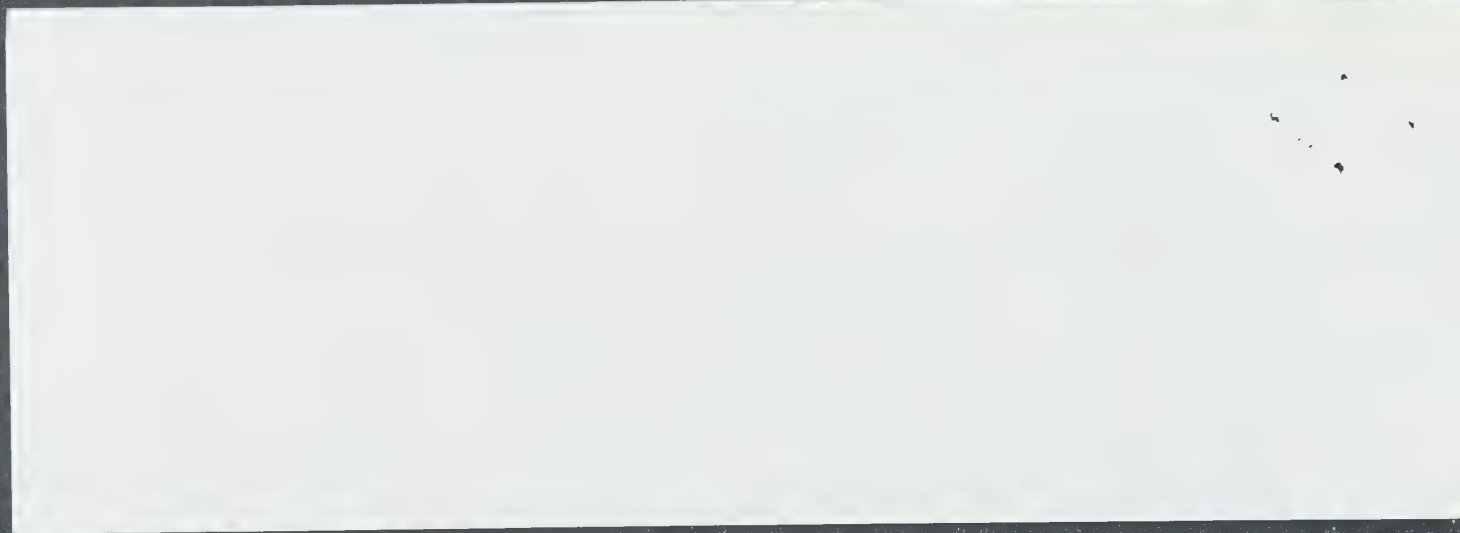
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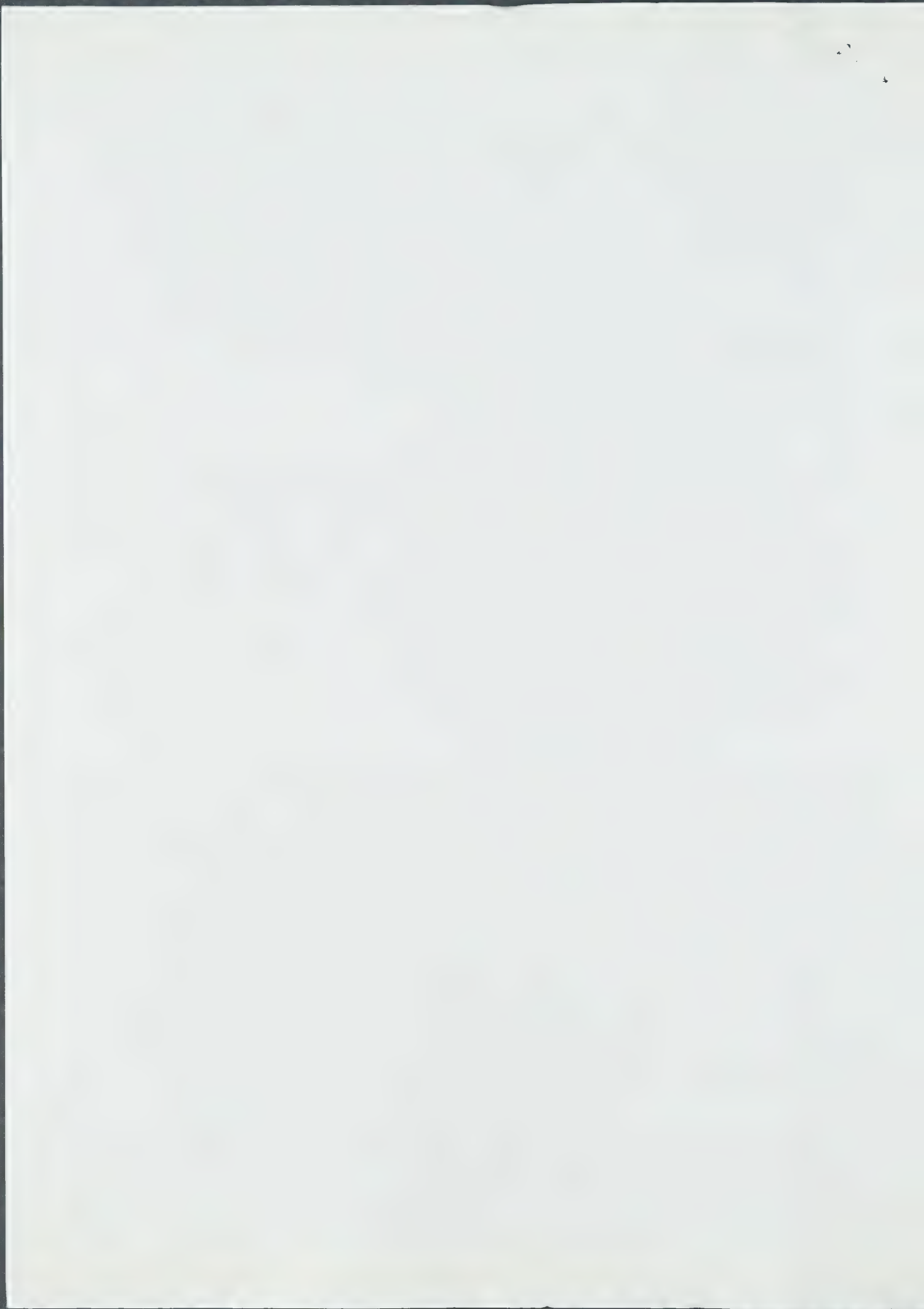
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Muscatke, Wisconsin

Dear Dr. H.,

Thank you for your quick response to my letter. The most difficult task in arranging for a visit our campus as our Probst Lecturer is to find a date. Your suggested dates of May 5th through May 9th falls after our spring semester is over, so we need to find an alternative time, possibly earlier in the semester than my suggested March and April dates or in April before our final exam period begins. Our semester starts on January 8th, with student holidays for Martin Luther King Day (January 15th) and spring break (March 4th - 8th). The semester ends with final exams beginning on April 27th and commencement on May 4th.

Although we may wish to change, my first thoughts for the evening lecture is to concur with your choice of "The Adventures of a Chemist Collector". An afternoon talk for chemistry majors and faculty on "Richard Anschütz, Archibald Scott Couper and Josef Loschmidt", highlighting the history of chemistry, would also serve as a tribute to our retiring colleague, Ted White, whose research is in this field. If another presentation is arranged, your presentation, "The Rembrandt Research Project and the Collector" sounds intriguing. I will contact Professor Fink for suggestions on the presentations. Receptions will be arranged either before or after each of the lectures, and book signings would be very appropriate at each of these. Promerity announcements for the lectures will need to include information about your autobiography and the signings.

Although we do not have a set honorarium for a Probst lecturer, \$4000 has been budgeted. If you feel free to negotiate an amount if this is not sufficient.

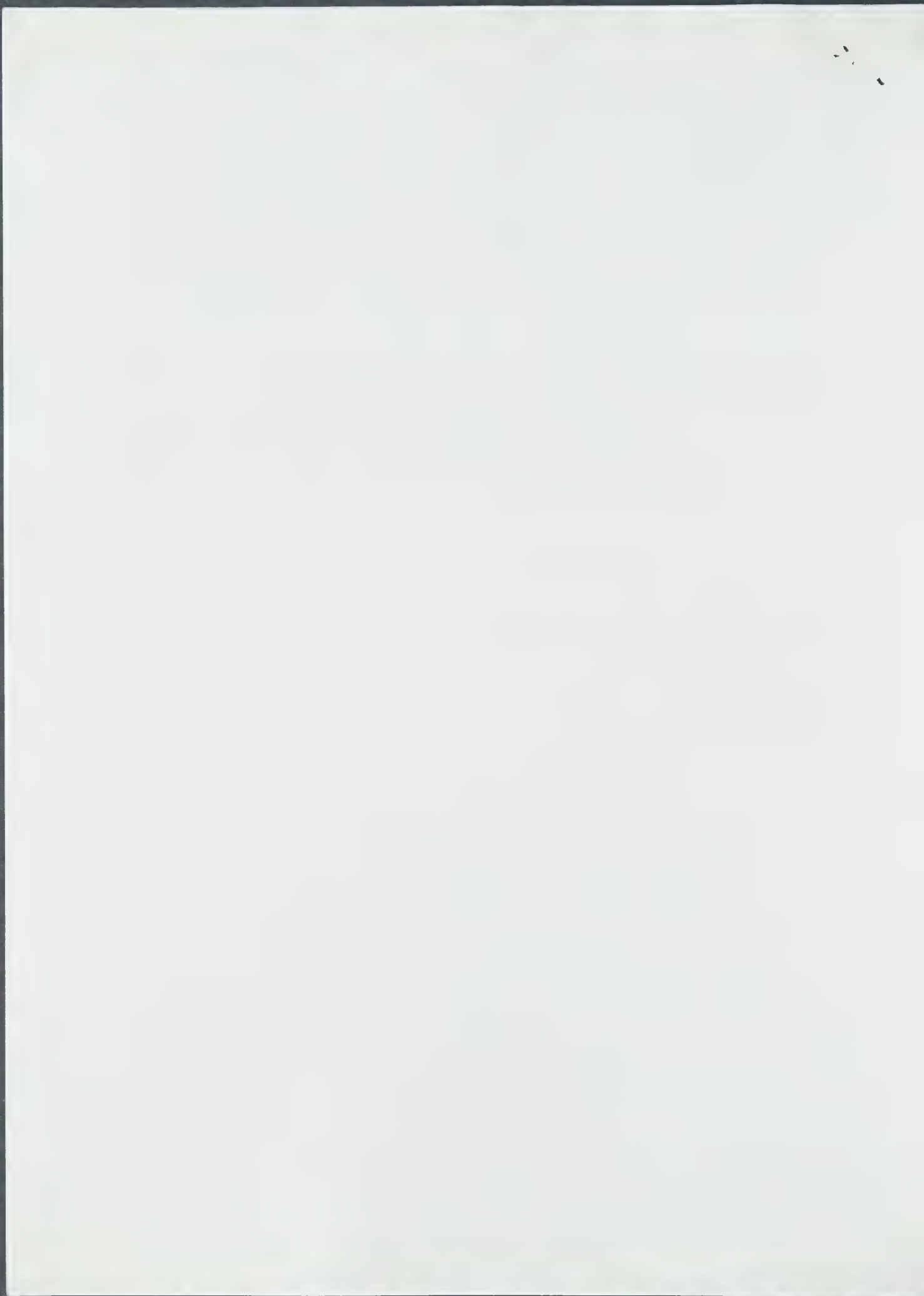


Dear Mr. [Name],

I am writing to you regarding the [Topic]...

Sincerely,
[Name]

[Address]





*College of Arts and Sciences
Department of Chemistry*

April 25, 1996

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

Dear Alfred and Isabel:

I am still reveling in a cloud of compliments from faculty, friends, and students about your visit. Students have expressed how interesting each of the lectures were and that they could follow and understand the content. They admit to struggling to find the courage to ask questions of one so successful and well known, but were delighted with your responses and conversations with them.

The Department and I thank you for joining us for this Twentieth Celebration of the Probst Lecture Series. We have added a distinguished chemist and art entrepreneur to our list of speakers. I hope we will have the opportunity to inviting you back to our campus for future seminars.

Thanks for being delightful guests. Last week was a very satisfying finish to the planning and worrying that is part of special events. You both made my job of hostess so very easy. Your generosity with giving the profits from your autobiography to the Chem Club is most appreciated. Eric Voss commented that this was not only the easiest but the most successful fund raiser this year.

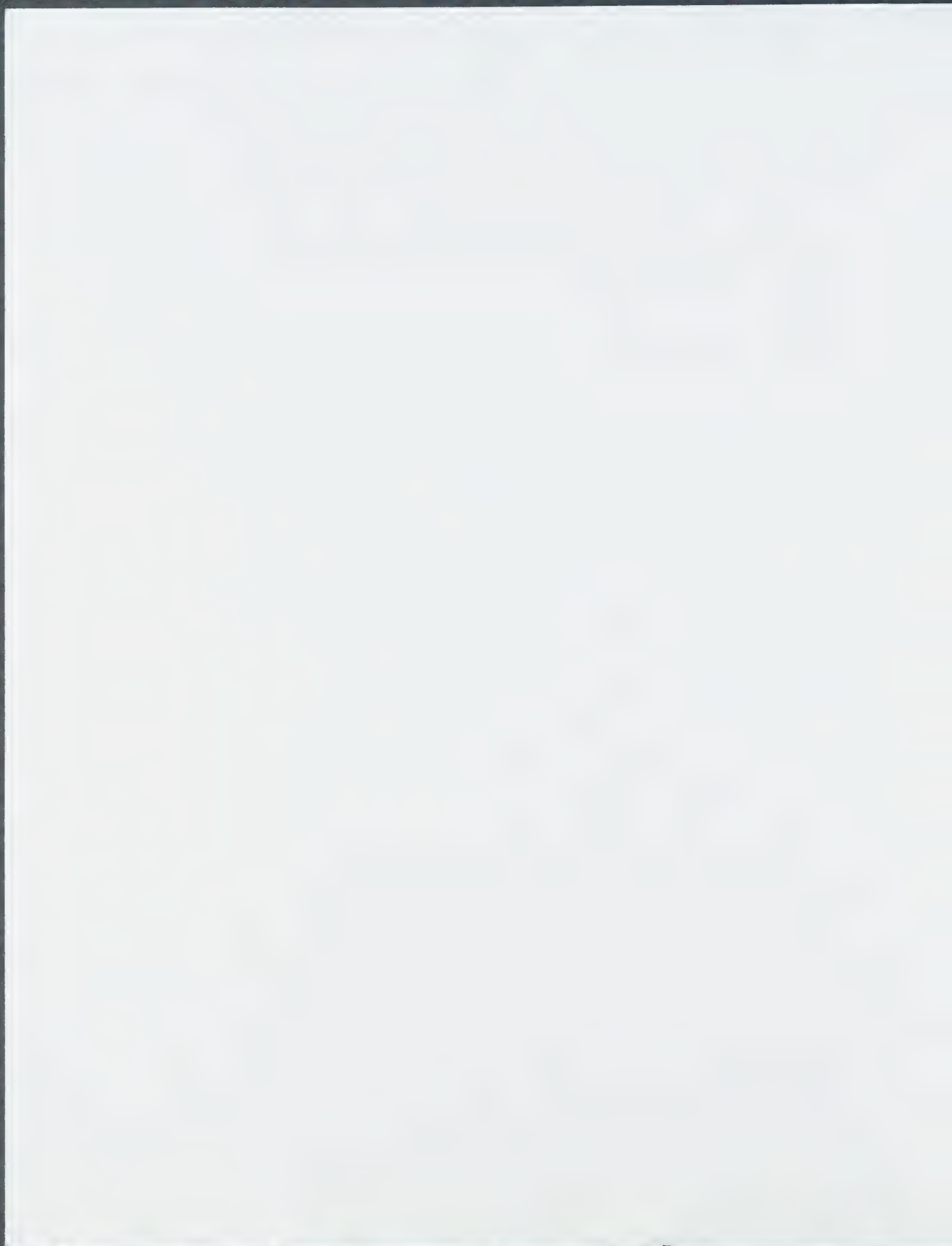
Papers have been filed for your travel reimbursement and the local paper, the Edwardsville Intelligencer, is "trying to locate" your photo. I hope both will arrive safely but, probably, not immediately. Reimbursement for travel usually takes several weeks. Please contact me if there are problems; I will check with the paper to verify the photo.

I hope your trip to San Diego was enjoyable. Thank you again for being our guest and speaker.

Sincerely,

A handwritten signature in cursive script, which appears to read "Virginia Bryan", is written over a faint, circular stamp or watermark.

Virginia Bryan





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

A Chemist Helping Chemists

April 29, 1996

Professor Virginia Bryan
Department of Chemistry
Southern Illinois University
Rm 2325, Science Bldg.
Edwardsville, IL 62026-1652

Dear Virginia:

Thanks again to you and your associates for three wonderful days.

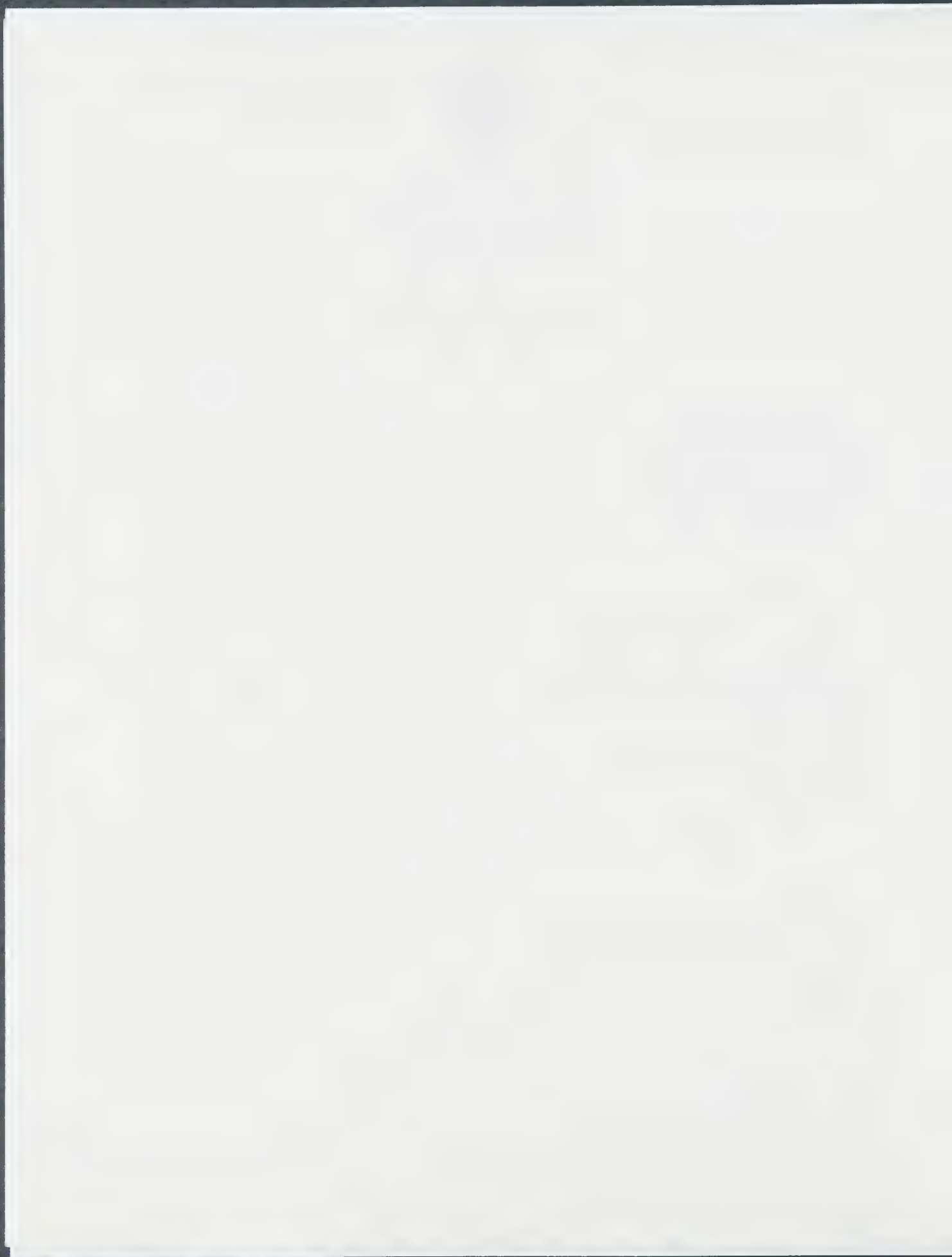
Unfortunately, we forgot to bring two copies of *The Detective's Eye* along - copies we would have liked to give to you and Professor Eric Voss - as a small token of our appreciation. These are enclosed.

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

April 29, 1996

Professor Timothy Patrick
Department of Chemistry
Southern Illinois University
Edwardsville, IL 62026-1652

Dear Professor Patrick:

I so enjoyed getting to know you during my visit.

Thank you for your reprint describing your interesting fluorinating agents. I will take these to England and give them to my old friend, Dr. Jim Jappy at JRD. You will see that company described on pages 128 and 129 of my autobiography.

I will suggest to Dr. Jappy that he contact you directly if there is some way that he thinks you might work together.

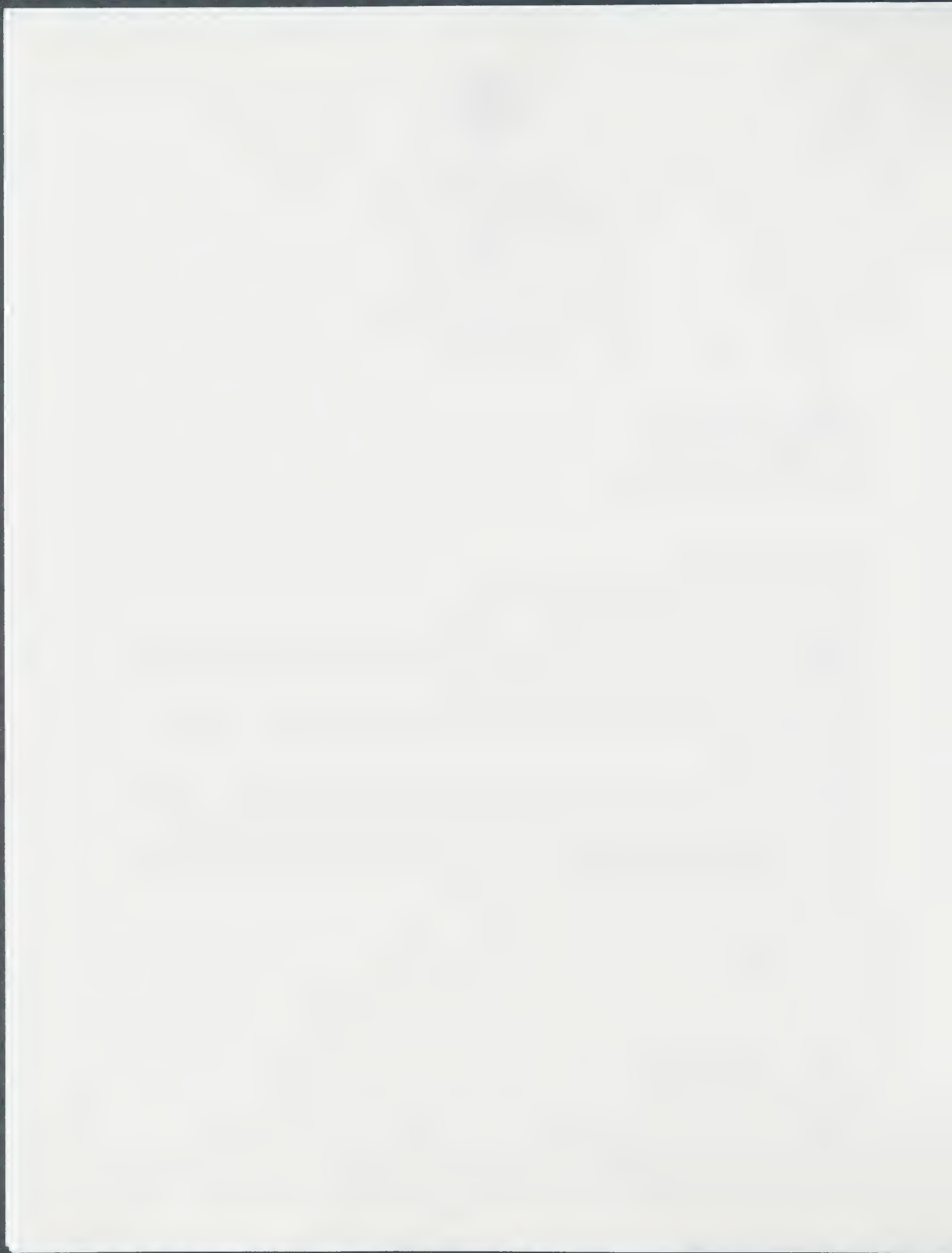
Perhaps the most interesting fact I learned from you is that Mallincoft has all that technology to make fluoro-aromatics, but has shut the plant in St. Louis down. Could you please let me know who the decision-making individual at Mallincoft is, and I will suggest to Dr. Jappy to contact that person when next Dr. Jappy comes to the United States. It might well make sense for JRD to license some of Mallincoft's technology

With all good wishes, I remain,

Yours sincerely,

AB/cw

cc Jim Jappy



File U.S. file Edwardsville

Nahid Shabestary: B.S., 1974, Ferdowsi University. Ph.D., 1984, Michigan state University. Dr. Shabestary's research interest is the study of luminescence properties of polyatomic molecules. Of particular interest is the study of excited state proton transfer (ESPT) in hydrogen-bonded systems such as 1-azacarbazole hydrogen-bonded dimer (intermolecular) or in para-amino salicylic acid (intramolecular). The investigation and mechanism of ESPT utilizes absorption and emission spectroscopy under various conditions (pH, solvents, concentration, excitation wavelength, and substituents). Dr. Shabestary is actively involved in developing new experiments using fluorescence and absorption spectroscopy for the undergraduate physical chemist laboratory supported by the National Science Foundation (NSF-ILI) and Excellence in Undergraduate Education, SIUE. Dr. Shabestary also collaborates with another research group within the department in the area of heterogeneous catalysis using clay intercalation compounds in a triphase catalytic system.

Recent Publications Include:

Chang, C.; Shabestary, N. and El-Bayoumi, M.A., *Chem. Phys. Lett.*, **75**, 107 (1980).

Shabestary, N. and El-Bayoumi, M.A., *Chem. Phys. Lett.*, **106**, 107 (1984).

"Complexation of Cesium and Rubidium Cations With Crown Ethers in N,N-dimethylformamide" Goff, C.M.; Matchette, M.A.; Shabestary, N. and Khazaeli, S. *Inorganica Chimica Acta*, submitted February, **1995**.

A chapter on SIUE's "Senior Assignment Program for the Department of Chemistry: Assessment Strategies that Work", for the book Good Practice in Assessing Higher Education Outcomes, to be published by Jossey-Bass, **1995**.

Eric J. Voss: Assistant Professor. B.S., 1987, Northern Illinois University. M.S., 1988, Northwestern University. Ph.D., 1992, Northwestern University. Dr. Voss joined SIUE in 1994 after two years as a Postdoctoral Research Associate at Brookhaven National Laboratory. His research interests in inorganic chemistry include the coordination of carbohydrates to transition metals, organometallic cluster chemistry, and the chemistry of the lanthanides. Students working with Dr. Voss will gain experience in the manipulation of air-sensitive compounds by Schlenk line, glovebox, and high vacuum techniques and in the characterization of compounds using high-field multinuclear FT-NMR spectroscopy and FT-IR spectroscopy. Dr. Voss' educational interests include the development of chemical demonstrations, the use of multimedia in chemical education, and the exchange of chemical information over the Internet. He can be reached by e-mail at vosse@daisy.ac.siue.edu.

Recent Publications Include:

"Synthesis and Structure of a Capped Square-Pyramidal Five-Metal Oxo Cluster, $[\text{Fe}_2\text{Ru}_3(\text{CO})_{14}(\mu_4\text{-O})]^{2-}$ " Schauer, C.K.; Voss, E.J.; Sabat, M. and Shriver, D.F. *J. Am. Chem. Soc.*, **1989**, *111*, 7662.

"A Butterfly Cluster Containing a Bridging Acetamidato Ligand. Synthesis, Structure, and Bonding for $[\text{MnRu}_3(\text{CO})_{12}(\mu_2\text{-NC}(\mu\text{-O})\text{CH}_3)]$ " Voss, E.J.; Sabat, M.; and Shriver, D.F. *Inorg. Chem.*, **1991**, *30*, 2705.

"Structural Investigation into the Steric Control of Polyether Complexation in the Lanthanide Series: Macrocyclic 18-Crown-6 versus Acyclic Pentaethylene Glycol" Rogers, R.D.; Rollins, A.N.; Etzenhouse, R.D.; Voss, E.J. and Bauer, C.B. *Inorg. Chem.*, **1993**, *32*, 3451.

" $[\text{Ru}_3(\text{CO})_9(\mu_3\text{-S})]^{2-}$ as a Ligand Toward $[\text{M}(\text{CO})_3(\text{NCCH}_3)_3]^+$: Synthesis and Characterization of $\text{HRu}_3(\text{CO})_9(\mu_4\text{-S})\text{M}(\text{CO})_3(\text{NCCH}_3)_2$ (M=Mn or Re)" Voss, E.J.; Stern, C.L. and Shriver, D.F. *Inorg. Chem.*, **1994**, *33*, 1080.

"Regioselective Complexation of Unprotected Carbohydrates by Platinum(II): Synthesis, Structure, Complexation Equilibria, and Hydrogen-Bonding in Carbonate-Derived Bis(phosphine) Platinum(II) Diolate and Alditolate Complexes" Andrews, M.A.; Voss, E.J.; Gould, G.L.; Klooster, W.T.; and Koetzle, T.F. *J. Am. Chem. Soc.*, **1994**, *116*, 5730.

" $[(\text{Ph}_3\text{P})_2\text{N}]_2[\text{Ru}_3(\text{CO})_{11}]$ and $[(\text{Ph}_3\text{P})_2\text{N}]_2[\text{Os}_3(\text{CO})_{11}]$, Bis[μ -nitridobis(triphenylphosphorus)(1+)]undecacarbonyltriruthenate(2-) and Bis[μ -nitridobis(triphenylphosphorus)(1+)]undecacarbonyltriosmate(2-)" Karet, G.B.; Voss, E.J.; and Shriver, D.F., *Inorg. Synth.*, **1995**, *31*, in press.



Leah C. O'Brien: Associate Professor. B.A., 1983, St. Olaf College. Ph.D., 1987, University of Arizona. Dr. O'Brien's research interests focus on the spectroscopy of unusual gas phase, diatomic molecules. Her research involves recording the spectra of Rydberg transitions in rare gas hydrides (e.g., ArH), electronic transitions in metal hydrides and oxides (e.g., PbH and CuO), and other molecules that are important in combustion chemistry and astrophysical chemistry. She regularly is a visiting scientist at the high resolution Fourier transform spectrometer associated with the McMath-Pierce Solar telescope at Kitt Peak, Arizona. She is also active in developing new laser-based experiments for undergraduate physical chemistry laboratory. Dr. O'Brien has received support for her research and project from the Research Corporation, the Petroleum research Fund of the American Chemical Society, the National solar Observatory, and the National Science Foundation.

Recent Publications Include:

"Fourier Transform Spectroscopy of the $A^4\Sigma^+ - X^4\Sigma^+$ Transition of BC" Fernando, W.T.M.L.; O'Brien, L.C. and Bernath, P.F. in *J. Chem. Phys.*, **93**, 8482-8487 (1990).

"Gas Phase Inorganic Chemistry - Laser Spectroscopy of Calcium and Strontium Monothiolates and Monohydrosulfides," Fernando, W.T.M.L.; Ram, R.S.; O'Brien, L.C. and Bernath, P.F. in *J. Phys. Chem.*, **95**, 2665-2668 (1991).

"Laser Raman Spectroscopy of Diamond," O'Brien, L.C.; Kubicek, R.L.; O'Brien, J.J. in *J. Chem. Educ.*, **71**, 759-760 (1994).

"Binding Energy Curve for Iodine Using Laser Spectroscopy: A Laser Induced Fluorescence Experiment for the Physical Chemistry Laboratory," O'Brien, L.C. and Kubicek, R.L. in *J. Chem. Educ.*, in press.

Timothy B. Patrick: Professor. B.S., 1959, Marshall University. Ph.D., 1967, West Virginia University. Postdoctoral, 1967-1969, Ohio State University. Dr. Patrick's research interests are in the areas of new fluorination methods, and the development of fluorinated synthons in organic chemistry. The research has much application in biomedical and bioanalytical science. Laboratory techniques such as chromatography (HPLC, tlc, column, rotating disc), spectroscopy (proton, carbon and fluorine NMR, IR) and F-18 radiolabeling methods are employed. Dr. Patrick has received multi-year grants for support of his programs through the National Science Foundation, National Institutes of Health, and the Petroleum Research Fund. Dr. Patrick has served as visiting Professor at Washington University School of Medicine in Ob/Gyn and in Radiation Science.

Recent Publications Include:

"2-Fluoromethyl-4,4,6-trimethyl-1,3-oxazine as a New Reagent for the Preparation of alpha-fluoroaldehydes," Patrick, T.B.; Hosseini, S.; Bains, S.; *Tetrahedron Lett.*, **1990**, 31, 179.

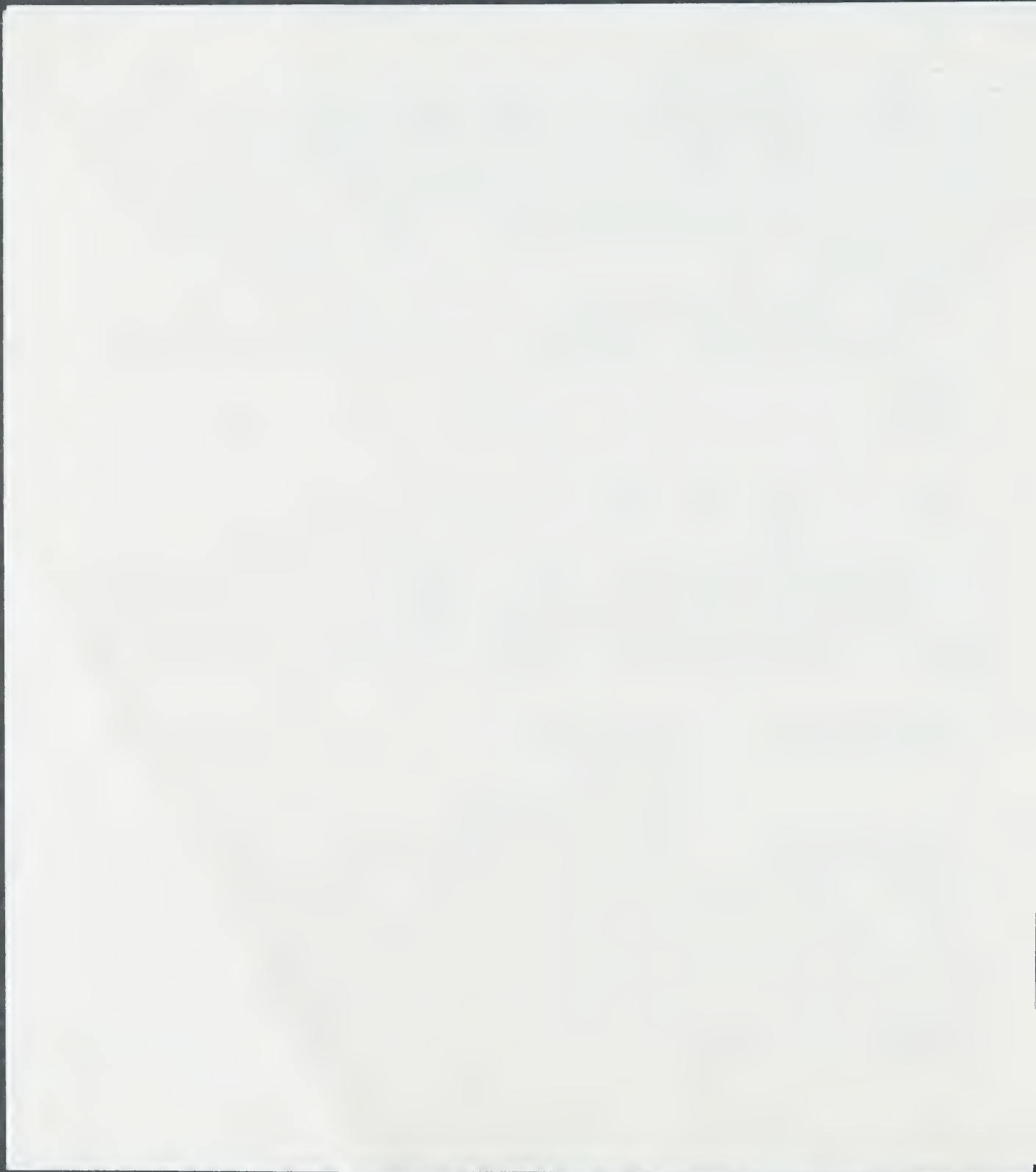
"Preparation of Fluoroalkenes for Fluoroacetonitrile," Patrick, T.B.; Nadji, S., *J. Fluorine Chem.*, **1990**, 49, 147.

"Mechanistic Studies of Fluorodecarboxylation," Patrick, T.B.; Nadji, S.; Khazaeli, S.; Hering-Smith, K.; Rief, D., *J. Org. Chem.*, **1993**, 58, 705.

"New Fluoro Butenolides for Synthesis," Patrick, T.B.; Lanahan, M.V.; Yang, C.-Y.; Walker, J.K.; Hutchinson, C.L.; Neal, B.E., *J. Org. Chem.*, **1994**, 59, 1210.

"Arylation With Aryl Fluorides," Patrick, T.B., *Chemistry of Organofluorine Compounds*, 3rd Ed., M. Hudlicky, editor, ACS Press, **1995**.

"Electrophilic Fluorination of Carbon-Hydrogen Bonds," *Chemistry of Organofluorine Compounds*, 3rd Ed., M. Hudlicky, editor, ACS Press, **1995**.



FACULTY INTERESTS AND PUBLICATIONS

Virginia R. Bryan: Associate Professor. B.A., 1960, University of Northern Iowa. Ph.D., 1968, University of Minnesota. With training as a secondary school teacher and a physical inorganic chemist, Dr. Bryan has a half-time appointment to the Department of Chemistry and is Director of the Office of Science and Mathematics Education. Areas of interest include vibrational spectroscopy and chemical education at the college and pre-college levels. Outreach activities in science include hosting the regional competitions in Science Olympiad and Science Fair and hosting workshops and conferences for elementary and secondary school teachers.

Recent Publications Include:

"Chemical and Physical Science Assessment", Science Performance Handbook, Illinois Science Teachers Association, 1993.

Rivers Chemistry, an Integrated Curriculum Project for Secondary Schools, Addison Wesley Publishing Company, in press.

Robert P. Dixon: Assistant Professor. B.S., 1987, Edinboro University of Pennsylvania. Ph.D., 1993, University of Pittsburgh. Dr. Dixon's research interests lie at the interface of chemistry and biology. He seeks insights into biological processes and macromolecular structure by employing probes at the molecular level. His modus operandi consists primarily of using the tools of chemistry to understand biochemical processes.

Recent Publications Include:

"Enhanced Extraction of Phenobarbital from Serum with a Designed Artificial Receptor", J. Valenta, R. Dixon, A. Hamilton, S. Weber, *Anal. Chem.*, **66**, 2397 (1994)

"Directed Hydrogen Bonding in the Design of Receptors for Complexation and Catalysis", R. Dixon, V. Jubian, C. Vincent, E. Fan, FTellado, S. Hirst, A. Hamilton, Molecular Recognition: Chemical and Biochemical Problems II, edited by S.M. Roberts, The Royal Society of Chemistry, Cambridge (1992)

"Molecular Recognition and Catalysis. Acceleration of Phosphodiester Cleavage by a Simple Hydrogen-Bonding Receptor", V. Jubian, R. Dixon, And A. Hamilton, *J. Am. chem. Soc.*, **114**, 1120 (1992)

James E. Eilers: Professor & Chair. A.B., 1966, Bradley University. Ph.D., 1971, Case Western Reserve University. Postdoctoral at Oxford University, England. Dr. Eilers joined SIUE in 1994 after eight years as a member of the Eastman Kodak Research Laboratories. Prior to that he held academic appointments with Case Western Reserve, Bradley University, and the State University of New York at Brockport. His research interests include many aspects of applied quantum chemistry and other forms of molecular modeling. Some systems of recent emphasis include dyes, molecules for intermolecular electron transport systems, and molecules that self-assemble into aggregates that possess new and useful properties beyond those of the constituent molecules.

Recent Publications Include:

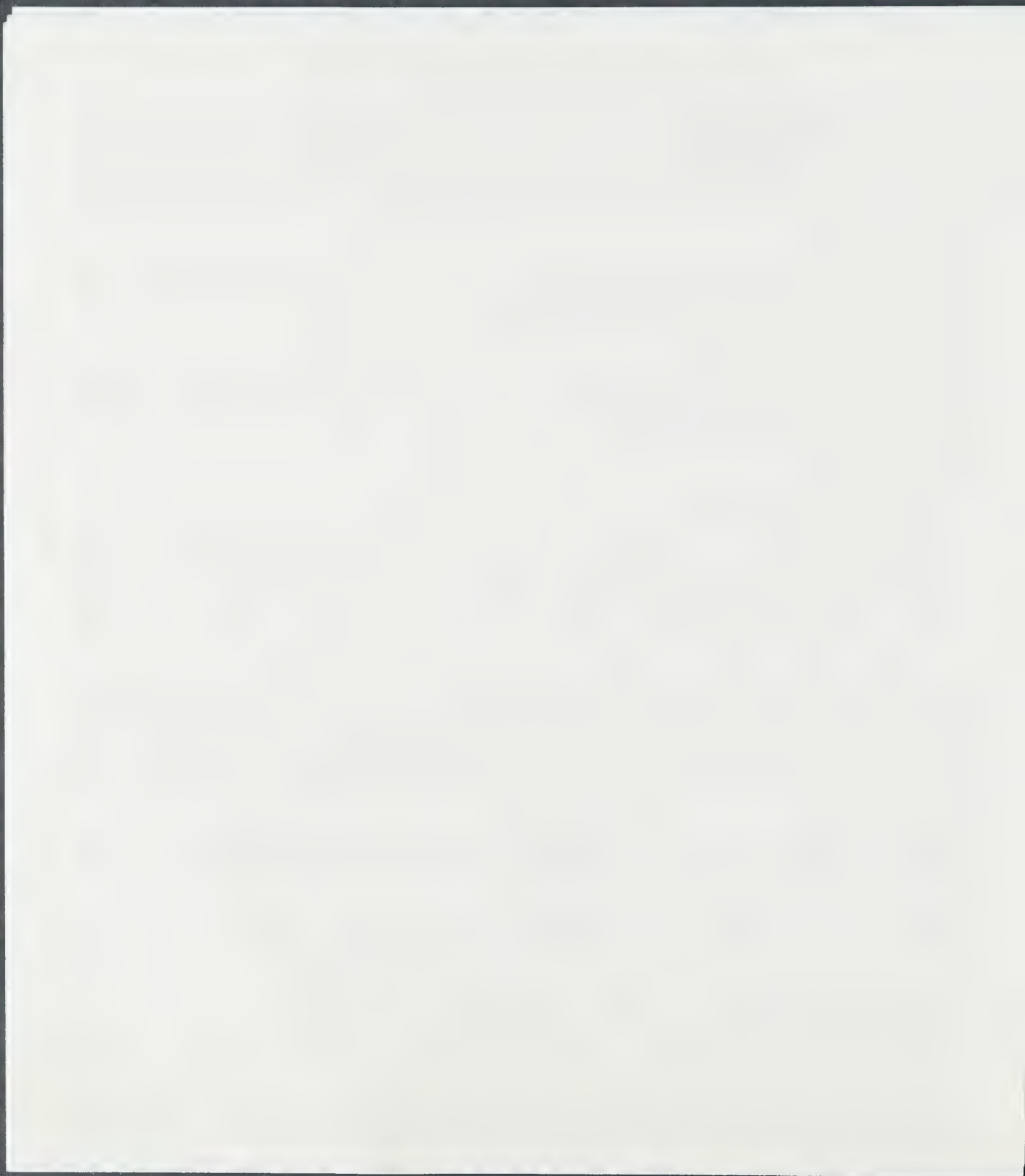
"Molecular Mechanics and Dynamics Studies of Chemisorbed Monolayers of Alkanethiolates" Shnidman, Y.; Eilers, J.E.; Ulman, A. and Sellers, H. in Materials Theory and Modeling, P.D. Bristow, J. Broughton and J.M. Newsam, eds., Proceedings of the Materials Research Society, 291, (1993).

"Effect of Perturbing Strata on Chain Conformation and Ordering in Closely Packed Layered Structures of Chain Molecules" Shnidman, Y.; Ulman, A. and Eilers, J.E. *Langmuir*, **9**, 1071, (1993).

"Structure and Binding of Alkyl Thiolates on Gold and Silver Surfaces: Implications for Self-Assembly" Sellers, H.; Ulman, A.; Shnidman, Y. and Eilers, J.E. *J. Am. Chem. Soc.*, **115**, 9389, (1993).

"Progress Toward Calculation of the Hues of Azomethine Dyes" Friedrich, Louis E. and Eilers, James E. *J. of Imaging Science and Technology*, **38**, 24, (1994).

"4H-1,1Dioxo-4-(dicyanomethylidene)thiopyrans. Investigation of X-ray Structures of Neutral Molecules, Electrochemical Reduction to the Anion Radicals, and Absorption Properties and EPR Spectra of the Anion Radicals", M. Detty, R. Eachus, J. Sinicropi, J. Lenhard, M. McMillan, A. Lanzafame, H. Luss, R. Young, and J. Eilers, *J. Org. Chem.*, **60**, 1674 (1995)



James R. Hunsley: Assistant Professor. B.S., 1964, University of Illinois. Ph.D., 1970, Michigan State University. Dr. Hunsley's research interests include the synthesis of new boron-rich materials for application to boron neutron activation cancer therapy. The laboratory also studies enzymes and the interactions of bacterial pathogens and plants, especially with regard to biotransformation of allelopathic compounds and lectin-sugar interactions.

Recent Publications Include:

"PC-Based Chemical Inventory and MSDSs in the Chemical Hygiene Plan," J. R. Hunsley, *J. Chem. Educ.*, in press.

"Reversal of Enzyme Regiospecificity with Alternative Substrates for Aspartokinase I from *Escherichia coli*," T. E. Angeles, J. R. Hunsley, and R. E. Viola, *Biochemistry* **31**, 799 (1992).

Emil Jason: Professor. B.S., 1949, Lincoln University. M.A., 1955 Washington University. Ph.D., 1957 Washington University. Dr. Jason has made many presentations and provided area schools with assistance on issues related to chemistry curriculum and the preparation of minority students for careers in the sciences. Dr. Jason also is active in several major economic development projects in the greater St. Louis area.

Sadegh Khazaeli: Associate Professor. B.S., 1972, Shiraz University. M.S., 1977, Tehran University of Technology. Ph.D., 1982, Michigan State University. Dr. Khazaeli's research interests include ion-ligand interactions in solution. He has used alkali metal NMR spectroscopy for the study of thermodynamics of complexation of macrocyclic crown ethers with alkali and alkaline earth cations in neat and mixed organic solvents. Drs. Khazaeli and Shabestary are also collaborating in the study of kinetics of nucleophilic displacement reactions in triphase catalytic systems. They have used mineral clays as the solid phase to immobilize the catalysts. Dr. Khazaeli has offered a number of workshops for area high school chemistry teachers.

Recent Publications Include:

"Complex Formation of Rubidium and Cesium Cations with Crown Ethers in Acetonitrile: A Cs-133 Competitive NMR Study" Streeper, R.T.; Khazaeli, S., *Polyhedron*, **1991**, *10*, 221.

"Mechanistic Studies of Fluorodecarboxylation with Xenon Difluoride" Patrick, T.B.; Khazaeli, S.; Nadji, S.; Hering-Smith, K.; Rief, D. *J. Org. Chem.*, **1993**, *58*(3), 705.

"Complexation of Cesium and Rubidium Cations with Crown Ethers in N,N-dimethylformamide" Goff, C.M.; Matchett, M.A.; Shabestary, N. and Khazaeli, S., submitted to *Inorg. Chim. Acta.*, **1995**.

"Thermodynamics of Complexation of Cesium Cation with Dibenzo-24-crown-8 in Binary Solvent Mixtures" Steffens, J.E. and Khazaeli, S., accepted for publication, *J. Incl. Phenomena*, **1995**.

James R. McClure: Associate Professor. B.S., 1974, University of Wisconsin-EauClaire. Ph.D., 1978, University of Missouri-Columbia. Dr. McClure's research interests include selectivity in organic synthesis, preparation and reactions of novel carbanions, and development of protecting groups for amines. Dr. McClure's students acquire experience in both micro- and macroscale reactions, inert atmosphere techniques, thin layer and column chromatography, and compound characterization using multinuclear FT-NMR spectroscopy and FT-IR spectroscopy. Dr. McClure has been active in many areas of chemical education including the development of a freshman chemistry textbook, the development of freshman chemistry laboratory experiments using FT-NMR spectroscopy, and the use of computers in chemical education. Dr. McClure has received support for his projects from the National Science Foundation.

Recent Publications Include:

"Basic Principles of General Chemistry," J. R. McClure, Ginn Press, 1993.

"Dimensional Analysis: An Analogy to Help Students Relate the Concepts to Problem Solving," J. R. McClure, *J. Chem. Educ.*, in press.



School
from page 10

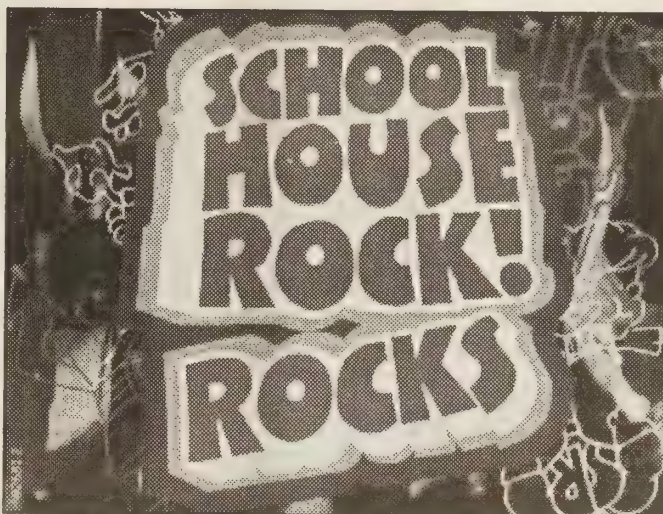
original theme, and then goes into **Deluxx Folk Implosion's** version of "I'm Just a Bill." Although different than the original, it definitely has a style that you will love.

Blind Melon gives us their rendition of "Three Is A Magic Number," and it may be the best song they have ever done. This song is true to the original, and brings the memories flooding back.

The interpretations where the bands exercise their "artistic expression" are good. Although not sounding like the originals, the songs are fun and not by any means ruined. **Pavement** gives us a wonderful version of "No More Kings"—listen for Bob yelling and screaming in the background. **Moby** takes the song "Verb: That's What's Happening" and brings it into the electronic age like only Moby can.

Of the renditions that are true to the originals, "Unpack Your Adjectives" by Daniel Johnson is the winner, and probably the best song on the album. "Electricity, Electricity" by **Goodness** is good, and Biz Markie (no, he's not dead) doing "The Energy Blues" is great.

This is an album that will put a smile on your face and a bounce in your step. If that's not enough of a reason to buy this, a portion of all proceeds from sales go to the Children's Defense Fund. They are a nonprofit research and advocacy organization that pays attention to the needs of poor, needy and disabled children who don't have the power to vote, lobby or speak out.



All of the lyrics are provided in case you've forgotten them. For those of you who want the original songs, not covers, you can wait for the box set, due out soon on the Kid Rhino label, which will contain all forty-one tunes. There are four videos with all of the original episodes, along with an official guide book. You can have it all and be transported to another place, anytime you want. Like I've said before, it's always Saturday morning somewhere.

The Department of Chemistry and the Chemistry Club
Announce the Twentieth Annual

WILLIAM J. PROBST MEMORIAL LECTURE

Dr. Alfred Bader

Founder, Aldrich Chemical Company

"Adventures of a Chemist Collector"

Wednesday, April 17, 1996

8:00 p.m., Science Building Room 3114

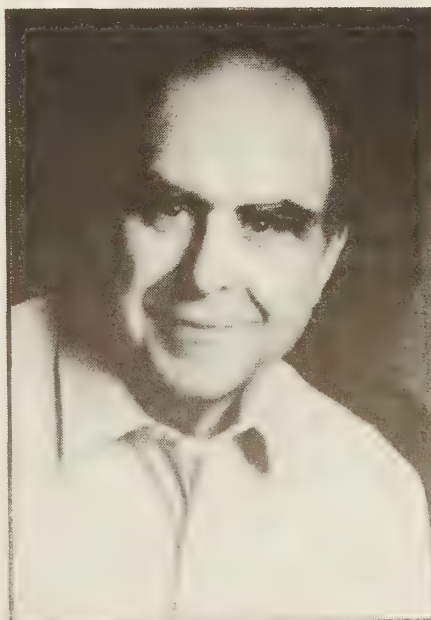
Special Seminars by Dr. Bader:

"The Rembrandt Research Project"
Tuesday, April 16, 7:30 p.m.
Lovejoy Library Auditorium

"History of Aldrich Chemical Co."
Wednesday, April 17, 3:30 p.m.
University Center, Maple-Dogwood Room

"Bible through Dutch Eyes"
Thursday, April 18, 2:00 p.m.
University Center, Maple-Dogwood Room

**"Early Chemists-Anschutz, Couper
..and Loschmidt"**
Thursday, April 18, 7:30 p.m.
University Center, Maple-Dogwood Room



SIUE Southern Illinois University at Edwardsville

the Gallery
2858 Hwy 159 659-0506

Every Tuesday
MTV's Singled Out
Come Find Your Mate At the Gallery
\$1.50 Bottles
\$1.75 Margaritas
\$3.50 Pitchers

Every Wednesday
Roy Drikow Hosts:
"Open Mic/ Poetry Slam/ Singer- Songwriter Night"
\$2.50 Pitchers

Every Thursday
"College Night"
50c Pitchers of Coors Light
\$1.50 Pitchers of Bud Light
Get it while it lasts!

Every Friday
105.7 The Point
Broadcasting Live

Funkin' Sundays
Funk and R&B Bands
Every Sunday
\$3.00 Pitchers
"Serious Funkin' Music
All Funkin' Night!"

April

FRI 19 Naked Fish

SAT 20 Sammy and the Snowmonkeys

SUN 21 Son of Starchild
(opened for Morris Day and Time)

FRI 26 Suede Chain
Will Sell Out
Get Your Tickets In Advance

SAT 27 Technicolor Yawn

SAT 28 Super Funk Fantasy

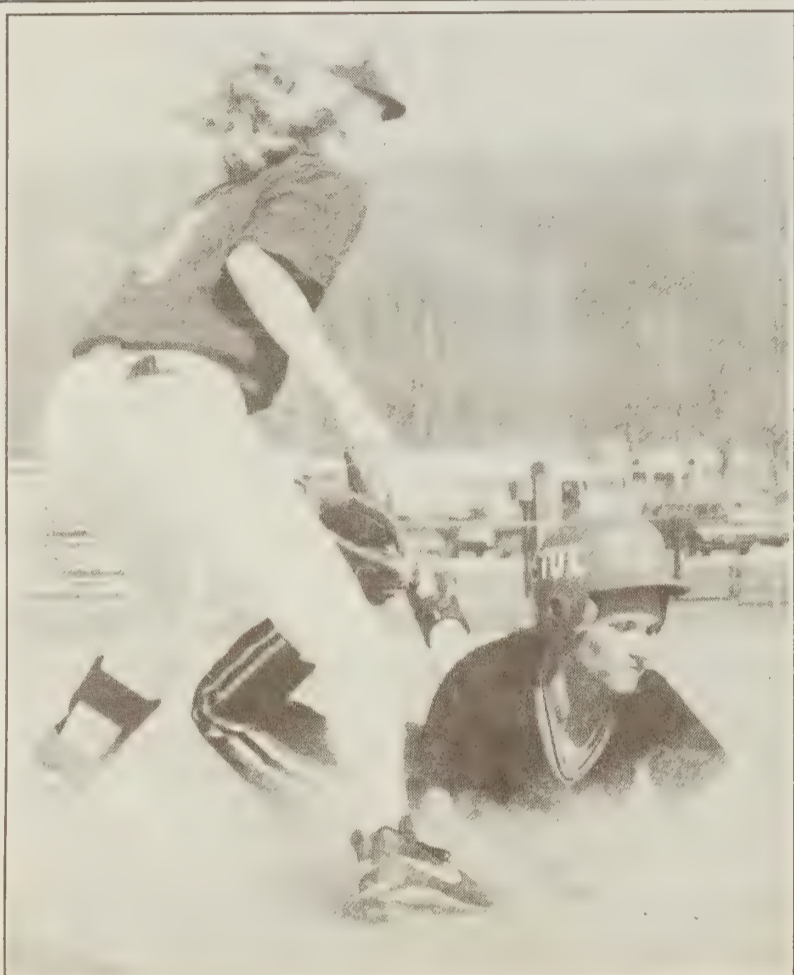
May

3&4 Paint the Earth

FRI 10 Todd on LSD

SAT 11 Dr. Zhivegas

17&18 Taste Like Chicken



Jeremy Paschall/Alestle

Jenny Hagel and the rest of the Cougars split four games over the weekend to move their record up to 31-11 and second place in the GLVC.

Softball misses opportunity to take top spot in the GLVC

By Brett Licata
Sports Reporter

The SIUE softball team started their weekend in Kenosha, Wisconsin with two tough losses to the number one team in the Great Lakes Valley Conference, but regrouped by taking two games from St. Joseph's College.

The Cougars played well on Saturday against Wisconsin-Parkside in their first two games.

A 6-3 loss to the Rangers in game one saw Bridgeton, Mo., native Kim Messinger go 2-for-3 at the plate and Christy Perry of Edwardsville hit one out of the park.

Freshman Jessica Silbe's record on the mound fell to 13-7 for the season.

The second game was even closer as SIUE fell by the score of 6-5 to Parkside.

Collinsville's Jennifer Smith supplied the offense by going 3-for-4 with a home run.

Junior Michele Sucich and Messinger both contributed with one hit each.

Deanna Smith lost only her fourth contest of the season.

"I think that we are a better team than Parkside," said head coach Sandy Montgomery. "We just didn't get the breaks. We didn't play as sharp as we should have."

Cold weather was a factor in the doubleheader against St. Joseph College on Sunday afternoon. The Cougars braved the elements to win both games against their GLVC foe.

SIUE defeated the Lady Pumas 8-0 in the first game with some help by J. Smith and Yorke's two RBI's a piece. Sucich also added an RBI single along with Perry and Thorp driving in a run each.

In game two, the Cougars continued the battering with a 3-1 victory.

"We came out strong in both games," said Montgomery. "These were the coldest conditions that I have ever seen for a game, but we handled the weather well."

Perry drove in two of the Cougars three runs as she went 2-for-2 and teammate Sucich contributed with an RBI single in the third inning.

SIUE is currently 31-11 overall and in second place in the GLVC.

The Cougars play next in a doubleheader today with IUPUI-Indianapolis at the SIUE field at 4 p.m.

Track hosts SIUE Relays

By Todd Spann
Assistant Sports Editor

The Cougar track team hosted the SIUE Relays this Saturday at Olympic Stadium and just as the title reads, relays were the main attraction of the meet.

SIUE is mainly a long distance team but is in the process of becoming a full fledged track program. As of right now, they have a few sprinters and a couple field event competitors.

But like always, the Cougar's main events were usually the ones that take more than a minute to complete.

Starting things off for the Cougars was the men's distance medley, in which SIUE took first place with a time of 10 minutes, 55 seconds. This was thirteen seconds faster than the second place finishers from Olivet Nazarene University.

The Cougars finished second in the 1,600-meter relay falling behind Florissant Valley by 22 seconds. SIUE had a time of 3:33.

On the women's side of the race, SIUE also took second behind Florissant Valley with a time of 4:20.

Then the men and women raced in the 3,200-meter relay with both the Cougars' teams taking top billing. The men outran their closest opponent, St. Louis University, by 29 seconds and the

women beat Olivet Nazarene by 8 seconds.

The Cougars also had some strong individual performances Saturday. Travis Roundcount in the 1,500-meter run finished second with a time of 4:06. Roundcount was just two seconds behind Tim Flamer who was running the event unattached from any school. In the same race, Jason Gass finished eighth.

The women had some good runs in the 1,500-meter run as Jacqi Vazquez took second in the event and teammate Libby Mullivain followed right behind with a third place finish. Vazquez had a time of 5:21 and Mullivain finished at 5:37.

Like always, there are some exceptions to the norm. The normal being long distance running for SIUE, but in this case Laquetta Dobbs took fourth in the 100 yard dash with a time of 13.53 seconds.

In another medley, the women finished third in the 1,600-meter sprint medley just seconds behind Greenville College who took second.

SIUE's Andrew Miller finished fifth in the 3,000 meter steeplechase with a time of 11:15.

The Cougars will again host an event this coming Saturday when all of the Great Lakes Valley Conference comes to compete for the top spots.

Baseball regroups with four wins

By Eli Savoie
Sports Editor

A noticeable change has taken place in the demeanor of SIUE head baseball coach Gary Collins from last week to this week, and the reasons for the change are obvious.

The Cougars went on the road over the weekend and not only ended a six-game losing streak, but brought home a modest four-game winning streak after sweeping doubleheaders from Lewis and Wisconsin-Parkside.

The Cougars avenged a pair of early season losses with Saturday's sweep of Lewis at Romeoville. The Cougars combined some solid pitching with timely hitting to come away with an 8-5 extra-inning victory in the first game and a 7-4 win in the nightcap.

On Sunday, the Cougars' offensive attack continued to roll as they pounded out 21 hits in the two games on the way to a 7-4 win in game one and a 7-2 victory in the second game that completed a perfect weekend.

"We finally decided we just needed to play," Collins said Monday afternoon. "There was no pressure on us so we just relaxed and played."

Collins said the first game of the weekend was the key to the Cougars' success for the entire trip.

"We came back in that first game and ended up winning in extra innings," he said. "That got everyone pumped up for the rest the weekend."

In that crucial game, the Cougars trailed 5-1 with only two innings to play, but that's when the offense woke up.

The Cougars put two on the board in the sixth to cut the lead to two.

The Cougars then sent the game into extra innings by collecting another pair

of runs in the seventh with some help from the Flyers. First, Lewis pitcher Derek Hart hit Mark Burris to start the inning and an error allowed John Spotanski to reach. With two outs, Angel Santiago delivered a clutch single to drive home the tying runs.

In the first extra inning, the Cougars' offense continued to pour it on as they put three more runs on the board for the final margin of victory. The eighth-inning rally was started by a Brian Geluck home run and capped by a Ryan Crawford two-run double.

Eric Mumma, who went the distance on the mound for the Cougars, picked up his fourth victory of the season.

Two-out hits like Santiago's key hit were something that Collins was happy to see. He said it was nice to get some of them for a change after seeing how the team has struggled to get timely hitting the past couple of weeks.

In Saturday's second game, the Cougars led from start to finish as they jumped out to a 7-0 lead and eventually held on for the win. Sophomore Jeff Ridenour upped his record to 4-4 as he threw his fifth complete game of the season.

Santiago once again led the offense as he collected three more hits and two RBI. Briggs also had a good showing at the plate, going 2-for-3 and driving in three runs.

Sunday, the Cougars continued their fine play against the Rangers of Parkside.

In the first contest, freshman hurler Jason Guest allowed only six hits and one earned run as he picked up the victory to move to 5-1 on the season. The Cougars used a balanced offense in

please see BASEBALL, page 14

Show
from front page

Student Body President Ramon Blakely was also excited about the show and first place finish.

"It was a great opportunity that we had it this year. We respect the other competition we had and we are looking forward to putting on another ice cold show in Marchdown '97. Hopefully we will have more representation from the other organizations," Blakely said.

Five black Greek organizations—two sororities and three fraternities—competed for first and second place prizes. Organizations that performed include: Delta Sigma Theta (first place) and Sigma Gamma Rho (second place) sororities; Alpha Phi Alpha (first place), Kappa Alpha Psi (second place) and Iota Phi Theta fraternities.

Several SIUE students felt that the event was a step toward building a bigger event for upcoming years.

"I think it was a very successful event. I hope next year we receive full participation from the nine black Greek organizations," Student Body Vice President Fabian Wright said.

Others felt the show brought up the appearance and visibility of SIUE.

"I think it (the show) was a stepping-stone to something better. It was a step towards more Greek and African American unity," John Smith, a 21-year-old senior majoring in television/radio, said. "I hope there will be a bigger participation to help put this school on the map as far as being a social and learning environment."

SIUE faculty who also took part in the event agreed with the success of the step show. Cannon D.

Campbell, coordinator for Greek Life, gave his assessment on the show.

"The operation went great. Performances were very good, very enthusiastic. I'll say one thing: it's certainly got people interested in next year. I hope to have a bigger and better show next year."

One of the judges for the contest, Derrick Wright of University Bookstore, commented on the talent of the show.

"The organizations out there performed very well. Also, for next year, we need to have more Greek organizations stepping and more advisors judging," Wright said.

Steven Sperotto, director of Kimmel Leadership, was very impressed with the entire aspect of the show.

"I thought it was a wonderful effort for our campus community. It provided Greeks to showcase their talents. It also developed spirit and unity," Sperotto said.

GETTIN' BUSY WITH UCB!

THIS WEEK

Wednesday, April 17, 1996

12:00 - 1:00 PM

Soup and Substance Public Forum

*"Gay rights on Illinois Campuses -
Where are we and what do we need"*

Complimentary soup provided

Cahokia Room, Dining Area University Center

Wednesday, April 17, through Friday, April 19, 1996

Look for UCB during Springfest!

Stop by our booth and join in the Twister Tournament! Be at the Banana Split from 12-1 PM and join UCB and make your own Banana Split!

Saturday, April 20, 1996

10:00 AM - 5:00 PM

UCB Hiking Trip at Pere Marquette

The day will include eagle watching, hiking & much, much more!

To sign up call Jenny or Bonnie at 692-2330

**There is a limited number of participants, so sign up now!
This is FREE!!! Transportation included!!!**

(Money or a bag lunch will be needed for lunch)

FOR MORE INFORMATION CONTACT THE UCB OFFICE AT 692-3371 OR OUR EVENTS HOTLINE 692-3372.

Police Beat

Warrant Arrest

On April 5, at 2:33 a.m., police arrested DeWayne Childs, 22, of East St. Louis on an outstanding warrant for Failure to Appear on a charge of driver's license expired six months or less. Childs posted \$302 bond and was released.

Cannabis Arrest

On April 5, at 11:26 p.m., police arrested Clayton Douglas, 19, of Belleville for possession of cannabis under 30 grams. The arrest is the result of an investigation at the Residence Hall. Douglas was issued a notice to appear and released.

Ambulance Call

On April 5, at 9:03 p.m., police and ambulance responded to a call to the Metcalf Student Theater where a female was having a reaction to prescription medicine. The subject was transported to Anderson Hospital by Edwardsville Ambulance Service.

Criminal Damage to State Supported Property

On April 1, a Wells Fargo guard from the Alton Dental School reported someone hit a light pole.

causing it to break and fall to the ground. There are no suspects or witnesses.

DUI Arrest

On April 6, at 2:05 a.m., police arrested Jerry Follett, 23, of Edwardsville for operation of vehicle with expired registration, driving under the influence of alcohol and illegal transportation of alcohol by the driver. Police arrested Follett on East University Drive when he crossed the center line. Follett posted \$302 bond and was released.

Theft Under

On April 8, at 2:55 p.m., a student from the Residence Hall reported she left \$35 on her dresser and went down the hall for a few minutes. When she returned, the \$35 was missing. She reported there was no one in the area when she left her room. There are no suspects or witnesses.

Theft Over

On April 7, at 1:14 p.m., an employee reported someone stole a Gateway 2000 computer from a computer lab in Building II. The computer was last seen on Friday, April 5, at noon. Police are continuing their investigation.

IT'S THE
GIFT OF
A LIFETIME.



Making a bequest to the American Heart Association says something special about you. It's a gift of health for future generations — an unselfish act of caring.

Your gift will fund research and educational programs to fight cardiovascular diseases. And bring others the joy and freedom of good health.

To learn more about how you can leave a legacy for the future, call 1-800-AHA-USA1. Do it today.

American Heart
Association 

KAPPA ALPHA PSI

Fraternity Inc.

*Invites you to a free luncheon
in recognition of single parents.*

In conjunction with Action! Day

Multi-Cultural Family Day

A fun filled family event for Tower Lake Apartment Families & Single Parent Support Group

WHEN: April 20, 1996

WHERE: UC Conference Center

TIME: 12:00 p.m.

SIU

Department of Chemistry and Biochemistry
Southern Illinois University at Carbondale
Carbondale, Illinois 62901-4109 USA

Ed Y. Meyer
Distinguished Professor

Office (618) 453-6174 Lab (618) 453-6111 Home (618) 528-3972
Dept (618) 453-5721 Fax (618) 453-6108
e-mail: ed.meyer@qpn.chem.siu.edu

July 27, 1992

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

Dear Alfred:

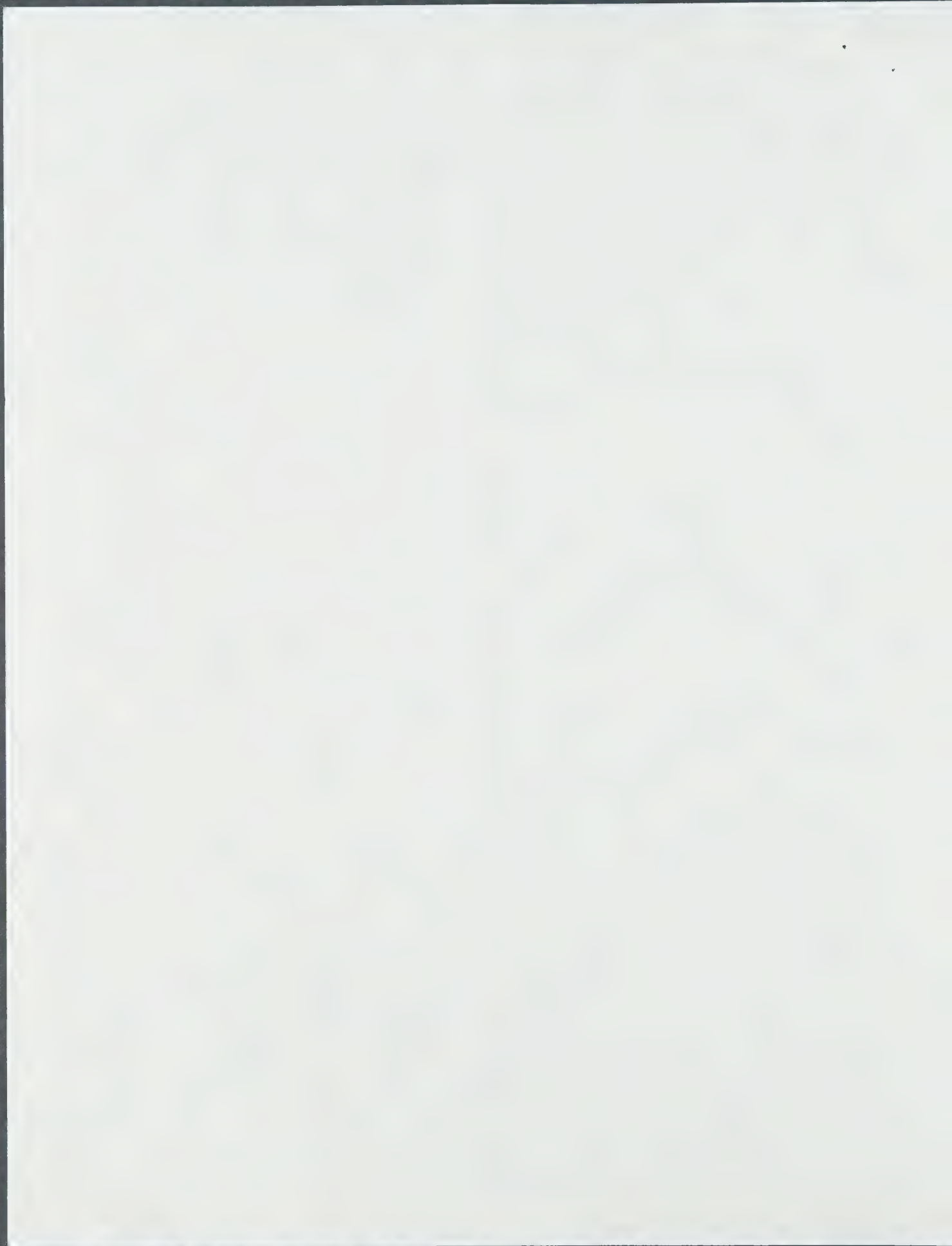
Re: CD_2Cl_2 , our preparation on a 100-g batch scale

Welcome home. I hope your sojourn in Europe was successful on all counts.

With respect to the possibility of Sigma-Aldrich licensing and using our patented methodology of preparing CD_2Cl_2 , as we discussed during your visit here in May, we have successfully fulfilled your request that we investigate the viability of preparing CD_2Cl_2 on a 100-g batch scale via our process. We did this utilizing an initial D/H exchange and two subsequent D/H-exchange cycles. The ultimate isolation (recovery) of deuterated methylene chloride was close to 90 g (90%).

We used a simple system of four round-bottomed flasks interconnected through short-path water-cooled condensers fitted with two-way stopcocks. The first three flasks contained magnetic stirrer bars and the flasks were placed in water baths on magnetic stirrer-hotplates. The first flask contained CH_2Cl_2 (100 g) and the first three flasks contained the calculated amount of Na_2O (57.5 g), D_2O (95.2 g) and phase-transfer catalyst (Aldrich or Sigma $(n\text{-butyl})_4N^+HSO_4^-$, 1.8 g) to provide the calculated equilibrium amount of D/H exchange necessary to afford the ultimate preparation of CD_2Cl_2 with at least 99% D from the three exchange cycles. The fourth flask was fitted with a drying tube and was used as the distillation receiver to collect the ultimate product from the third exchange cycle.

Each of the three D/H-exchange cycles was carried out at room temperature with vigorous magnetic stirring for at least 10 hours, with the stopcocks closed. The D/H-exchanged methylene chloride was then transferred to the next flask (cooled in an ice bath) by distillation using a water bath heated to a maximum of 70 °C. The extent of deuteration at any time was monitored by 1H NMR simply by removing a sample of the methylene chloride and determining the ratio % (X) of its integration area at δ 5.32 to that of pure CH_2Cl_2 with constant parameter settings; %D = 100-X. The method's accuracy was verified with prepared mixtures of CH_2Cl_2 and CD_2Cl_2 .



We encountered only one unexpected problem, and that was independent of the process. The extent of deuteration at equilibrium in each run never reached the calculated maximum: we were about 5-7% below this maximum in each D/H-exchange cycle. Even in repeating the smaller runs, like those in the patent, we could not reach our earlier attained equilibrium levels of D incorporation. The answer was a simple one: We used the same Na_2O now as before, and that was in 1986. The Na_2O was packaged in a double plastic bag placed in a can, as it was sent to us originally from Alfa, and by no means tightly sealed. Na_2O is notoriously hygroscopic, forming NaOH . With the many times we opened the bag during the year we worked out the process, and the six years the can was in our lab between then and now, it is no wonder that atmospheric moisture got in and converted some of the Na_2O to NaOH , which was the source of H we had not considered in our calculations. With fresh Na_2O we would have easily obtained CD_2Cl_2 with $\approx 99\%$ D as we had before.

I phoned Alfa to order a fresh supply and learned they no longer carry Na_2O . I contacted a number of other suppliers of Na_2O listed in *Chem. Sources* but none was able to supply it currently. Terry Collins, of Aran Isle Chemical Co., told me to get in touch with John Long at Aldrich. John was very interested and concerned; he said I should phone Greg Stern who had worked with Atomergic, a former supplier of Na_2O . Greg said he could make Na_2O for us, but in the meantime he suggested I try Tilley Chemical Co. in Baltimore.

Tilley's Manager of International Sales, Marc Matusewitch, told me he could get as much Na_2O as we needed, from the French company Metaux Speciaux. I told him the eventual use was large scale, possibly by Sigma-Aldrich, as I had discussed the potential use with you. He asked me to have you phone him to discuss potential quantity and price.

Mr. Marc Matusewitch
Tilley Chemical Co.
501 Chesapeake Plaza
Baltimore, MD 21220
Phone: 410-574-4500
Fax: 410-391-6665 or 410-687-5036

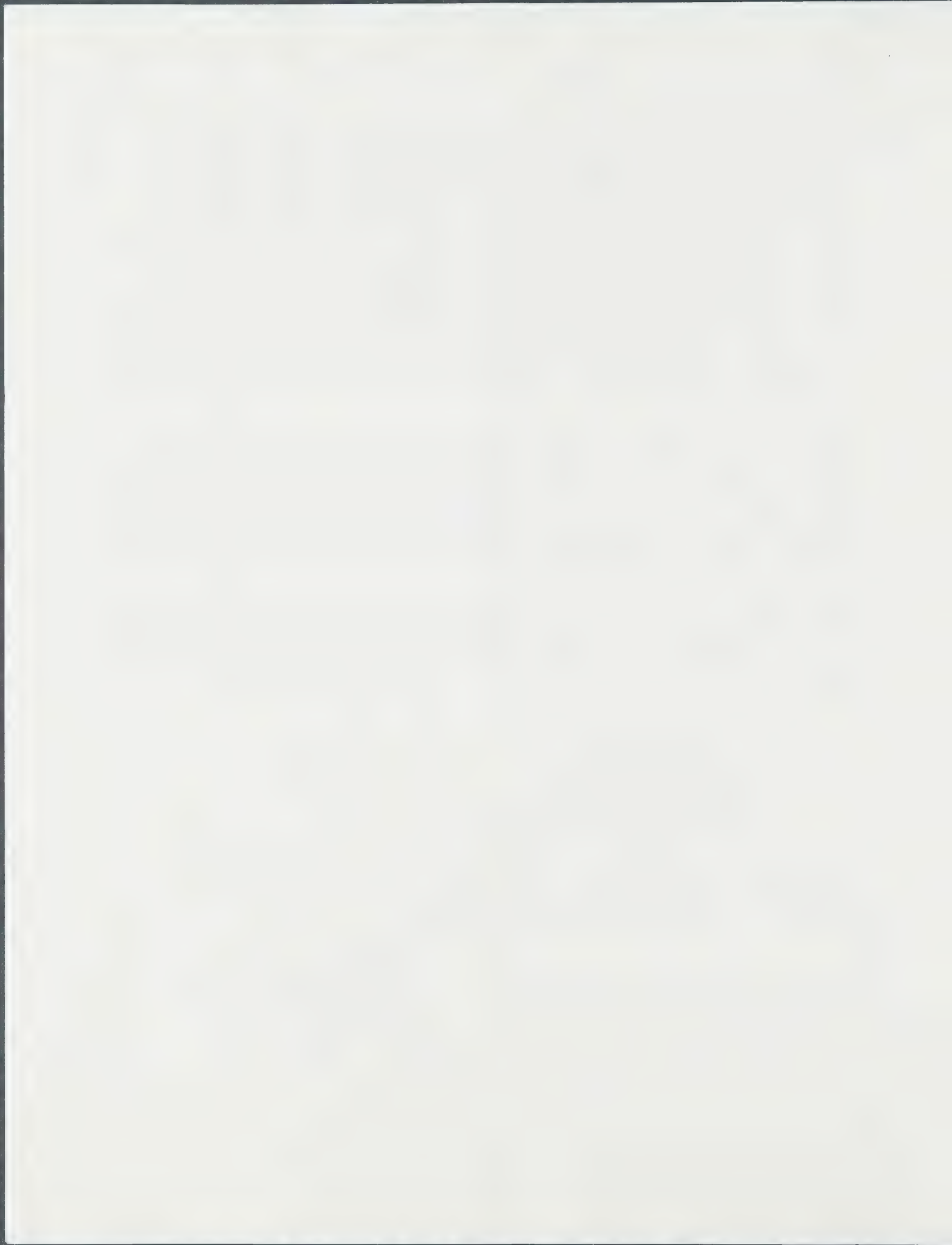
I look forward to hearing from you and further discussing licensing plans.

With all best wishes and regards to you and Isabel,

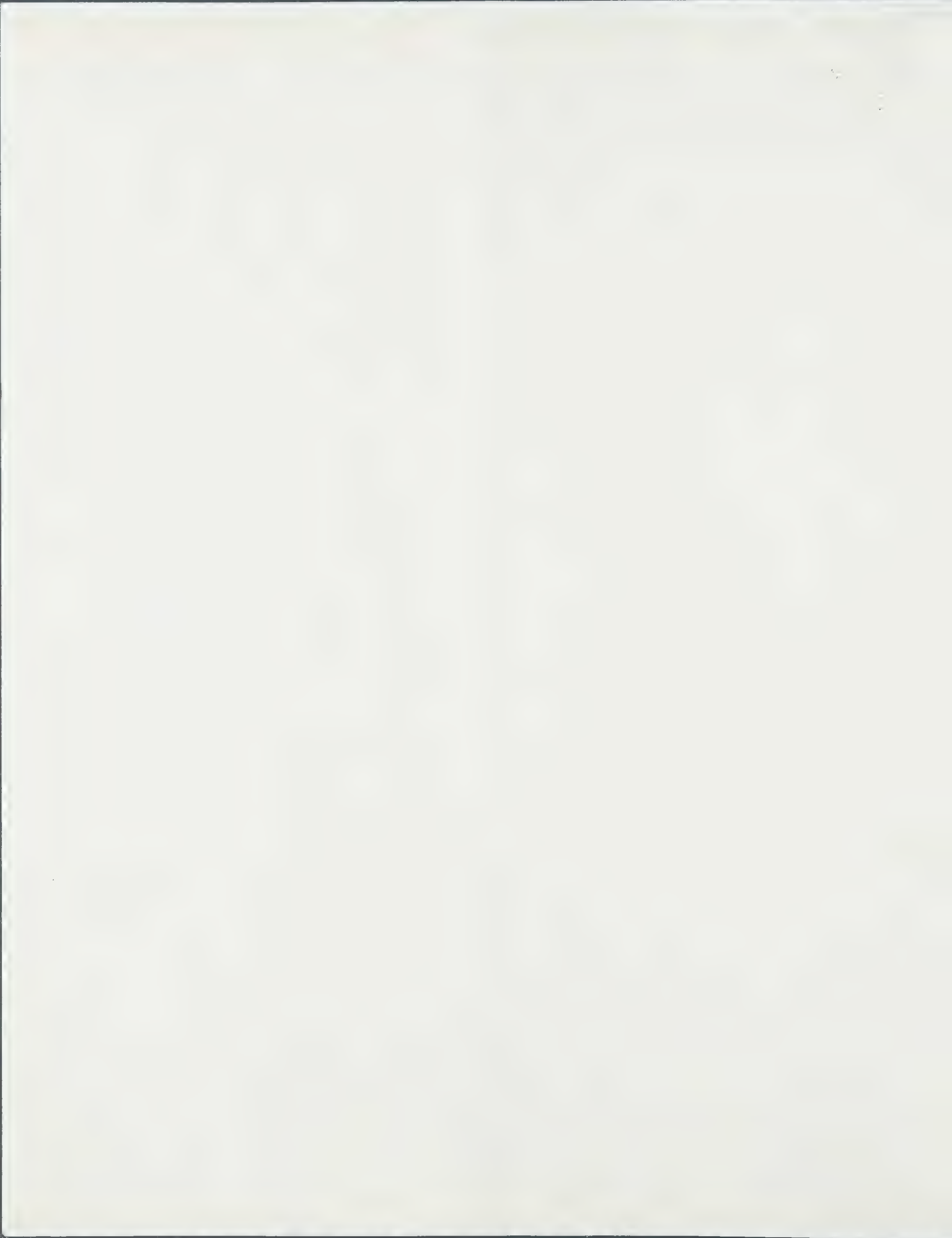
Sincerely,



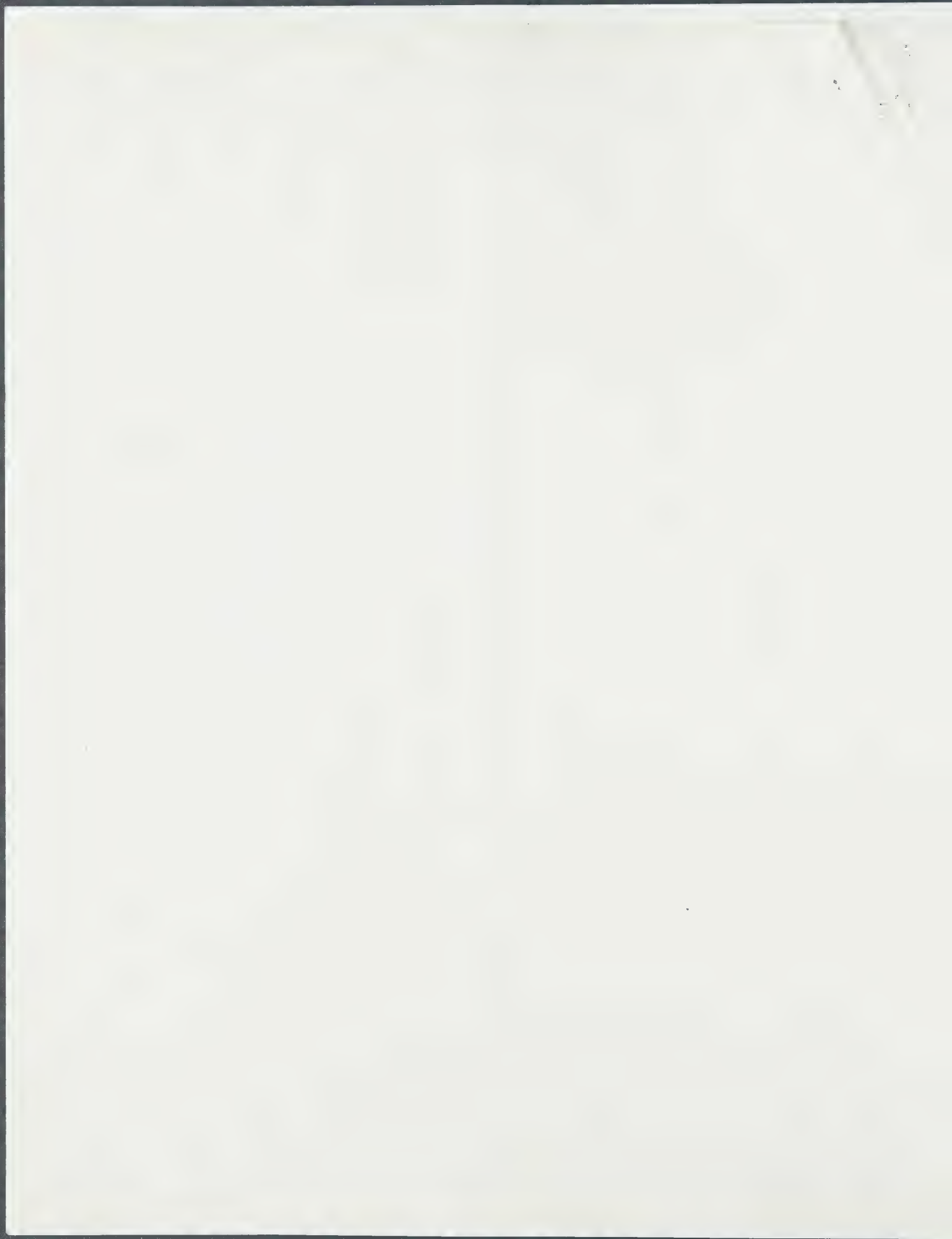
Carl V. Meyers











FAX TRANSMITTAL SHEET

FROM: DR. ALFRED BADER
2961 North Shepard Ave.
Milwaukee, Wisconsin 53211
PHONE: (414) 962-5169
FAX: (414) 962-8322

TO: Prof. Cal Meyers
FAX: 618 453 6408

20. VIII 92

Dear Cal

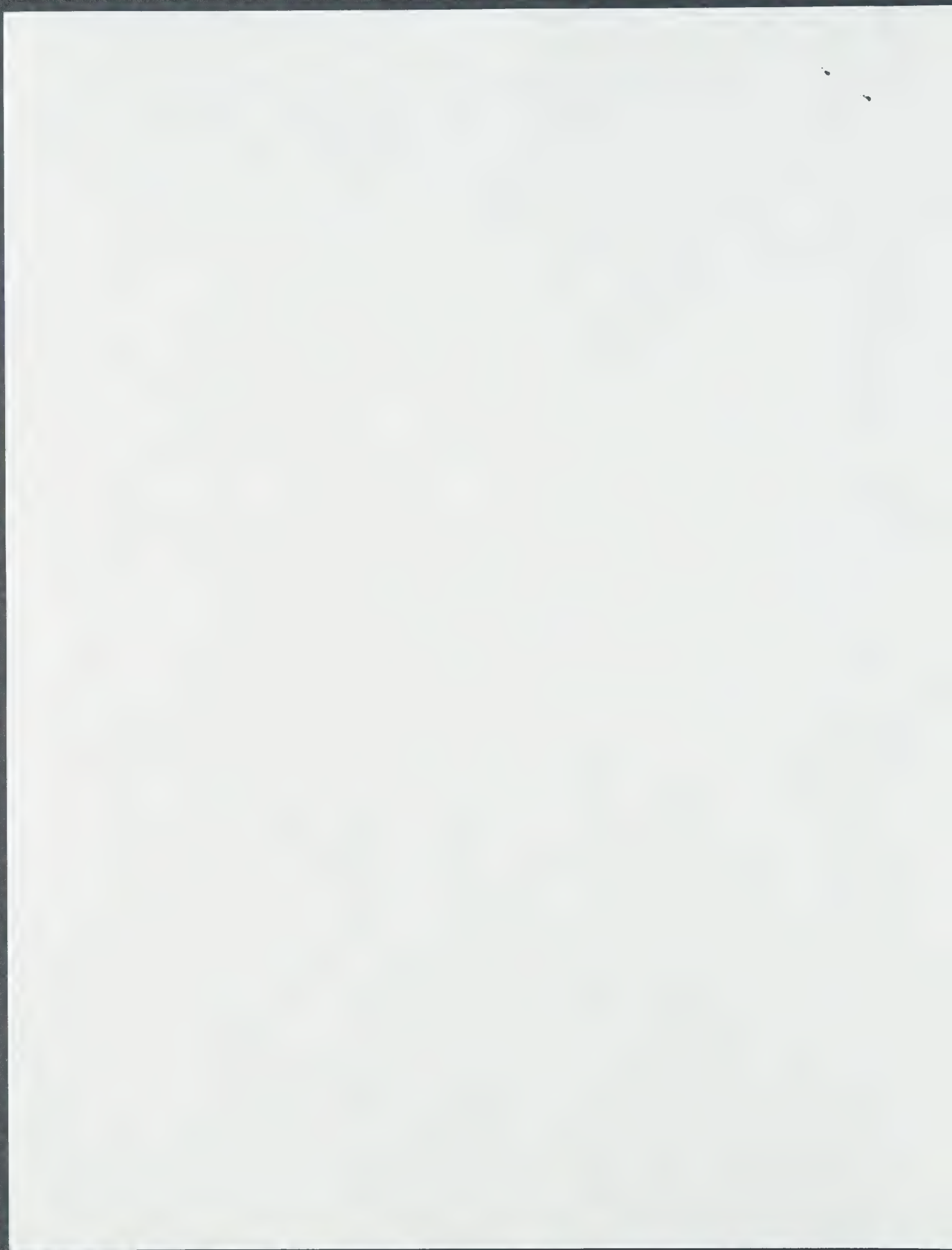
Thanks for fax of to-day.

I am not certain that Aldrich will go for
up-front money - perhaps if it's advance on
royalties to be paid.

Don't ever think of attaching my name
to anything. Sigma-Aldrich yes, Bader no.
Even knowing of my involvement would kill
it with Tom Cori and David Harvey.

Best wishes

Jepson



COMMUNICATIONS SECTION
U.S. DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D.C. 20535

TO: DIRECTOR, FBI (100-441114)
FROM: SAC, NEW YORK (100-100000) (P)
SUBJECT: [Illegible]

FBI TRANSMITTAL COVER/MESSAGE SHEET

OR ALTERNATIVE

DATE: 11-19-64 0522

100-441114-5121

Thanks again for your thoughtful letters of August 9 and today. I appreciate the steps you have taken in regard to the Prelim with our cooperation process and to put this in touch with me. Your letter arrived when I was about to send a formal letter to you. I believe you will find it satisfactory.

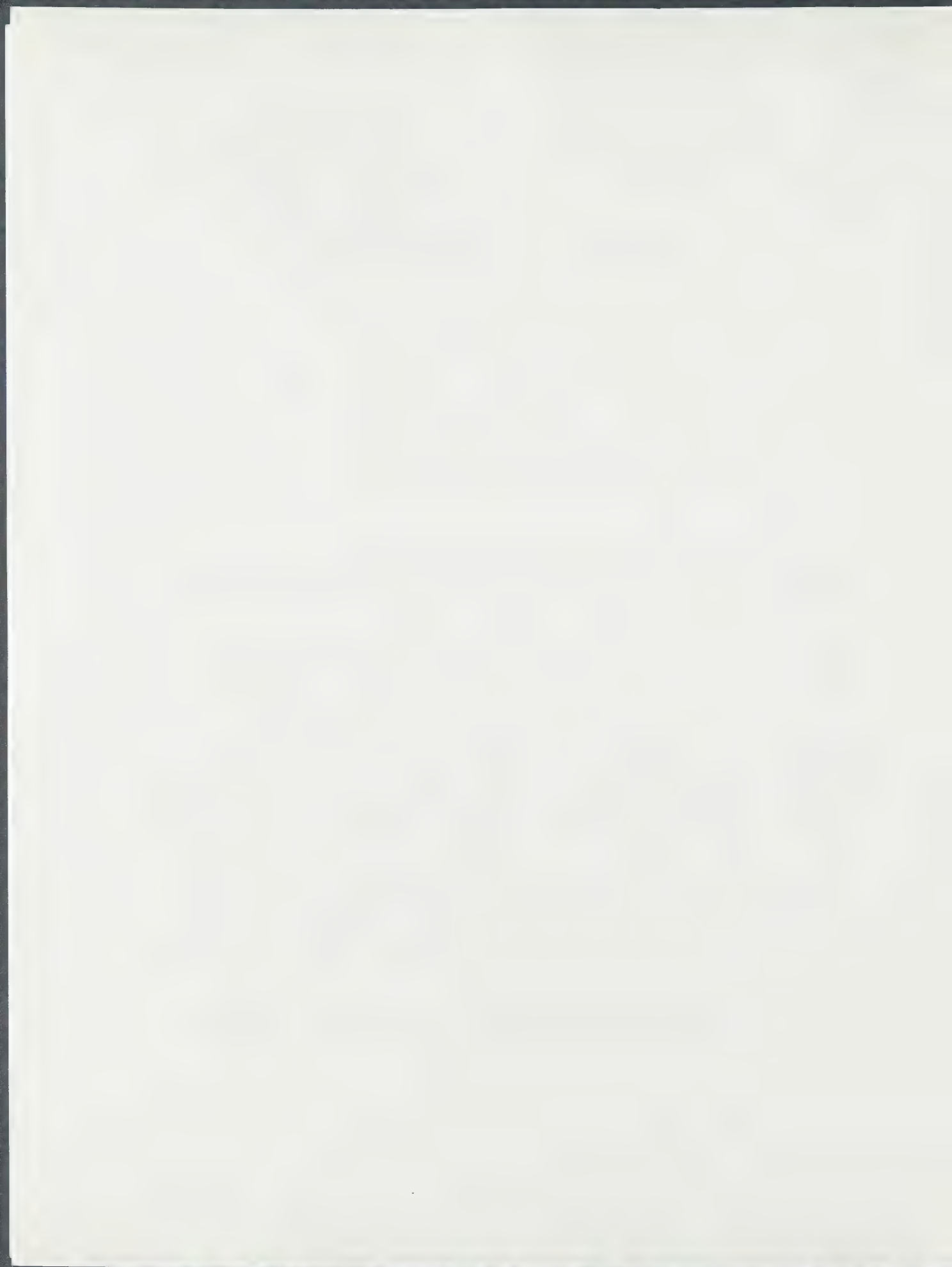
Our top our prime catalyst also told me that he knows our method works because he has already tried it. I don't know when he did it, if he used one of the examples in the patent or improved the one I noted in my recent letter to you in which I described the method and the way it should work.

I was quite interested in the position you as a catalyst - hydrogenation process - transfer catalyst of very basic ion-exchange resin to carry out the C-13 exchange of CDCl₃ with D₂O. I told him we had thought about this and would look into such a modification as possibly simplifying the process. Claim 1 of our patent covers the general P-1-C technique, so only a licensee of our patent would be allowed to use this modification if and when it is developed. Moreover, if someone else develops it first, it would not be a violation in light of our patent or usable without a license from us.

In negotiating a license with Aldrich, I'd like to point out that I'd require some "up front" money as reimbursement for patenting expenditures, since I do not plan to "keep" any royalty income. I shall use the royalty income necessarily to support my research, and to that end I would have such checks made out and sent directly to the University as long as I am here. Thus, Aldrich might wish to consider the royalties as a continuing "Signed Alfred Bader Research Grant" or "Alfred Bader Research Grant". If this type of accounting would be preferable to them.

Our sale he would authorize a proposal from me to cover either a exclusive or non-exclusive license and we'd negotiate from there. I'll be in touch with him shortly.

With all the best personal wishes to you and (edie).



Page 03 passed to Dr. Alfredo Basso (phone 618-453-6474) with enclosures.
Department of Chemistry and Biochemistry
Southern Illinois University at Carbondale
Carbondale, Illinois 62901-4409 USA

Cary Meyers
Distinguished Professor

Office (618) 453-6474 Lab (618) 453-6431 Home (618) 542-1812
Dept (618) 453-5721 Fax (618) 453-6408
e-mail: cary_meyers@spn10-chem.siu.edu

FAX TRANSMITTAL COVER/MESSAGE SHEET

PLEASE DELIVER THE FOLLOWING PAGES TO: **DR. ARMANDO GEIGER**
ARMAR AD/PH 551 L DOTTINGER

Date: Sept. 1, 1992
Time: 7:30 p.m. UDI
Fax number before calling: (011 41) 56-46-45 20
Number of pages: 3 including this page

This FAX is from *Carl S. Meyers*

If you do not receive all pages clearly, please call back as soon as possible
CONFIRMING PHONE NUMBER: 618-453-6474 or -5721

Dr. ARMANDO GEIGER - ARMAR AD

I received your fax this morning. Thank you very much. Let me reply briefly in this fax. After you read this and receive the mailed materials, then we can initiate a thorough discussion.

1. We have separate filings in U.S., European (EP), and Canadian patents, and a national application. I believe you are especially interested in licensing the European Patent.

Patent Title: Process for Preparation of Deuterated Methylene Chloride

Inventors: Cary Meyers and Ron Ober-Yu-King

Assistants: Cary Meyers and Ron Ober-Yu-King

European Patent (EP) Italy, France, United Kingdom, Germany

Switzerland, Liechtenstein, U.S. Patent No. 5,245,805, Mar. 9, 1990

I am sending to you by airmail a copy of this patent.

2. You mentioned to me in our phone conversation that ARMAR AD produces conc. NaOD/D₂O. This should work well in place of Na₂O/D₂O in our process. But you may have to add some Na₂O to your NaOD/D₂O to bring it up to 45-50% conc., which we use. The French company producing Na₂O and the contact person are:

M. P. Villanova, **Métaux Spéciaux**, 6 Place de l'Ind. Tour d'Information Cedex 21,
92067 PARIS LA DEFENSE

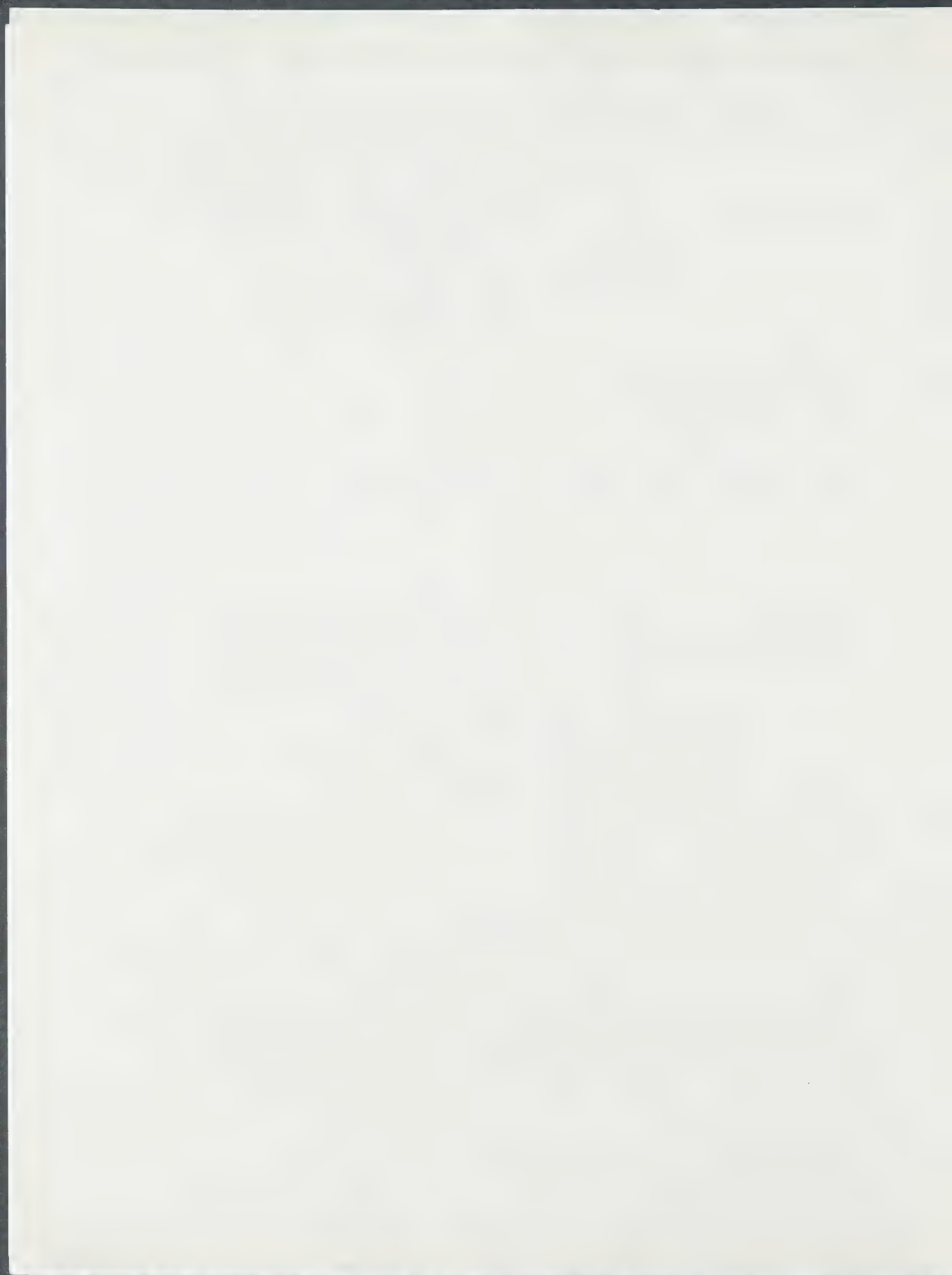
telephone: 33 (1) 47 62 48 00, telecable (fax) 33 (1) 47 74 54 31, telex 614 98R 01160

3. You also mentioned to me on the phone that you definitely desire an **exclusive** European license to manufacture CD₂Cl₂ by our process. This factor should be considered in our negotiations.

4. We have recently converted a 100-g batch of CD₂Cl₂ into CD₃Cl₂ in only three exchange cycles by a slight concentration modification of the examples in the Patent (in which we generally used four exchange cycles). I am sending you with this fax (1) a copy of this modified procedure and (2) the projected cost calculations to prepare CD₃Cl₂ by our process (ca. \$125/100 g, on the basis of production in 1-kg batches) compared to the lowest retail price in the Aldrich catalog.

Cary Meyers

ENCLOSURES ATTACHED



SIU

Department of Chemistry and Biochemistry
Southern Illinois University at Carbondale
Carbondale, Illinois 62901-4409 USA

Cal Y. Meyers
Distinguished Professor

Office (618) 453-6474 Lab (618) 453-6431 Home (618) 549-1612
Dept. (618) 453-5721 Fax (618) 453-6408
e-mail: cal_meyers@qm.c-chem.siu.edu

FAX TRANSMITTAL COVER/MESSAGE SHEET

PLEASE DELIVER THE FOLLOWING PAGE(S) TO: **DR ALFRED BADER**

On: August 11, 1992

Time: 10:40 am EDT

Phone to call: fax 414-462-8322

Page: 3 (indicate this page)

To: *Dr. Alfred Bader*

Address: Department of Chemistry, P. Box 16, Carbondale, IL 62901-0016
Phone: (618) 453-5721 Fax: (618) 453-6474 or 5721

Dear Alfred:

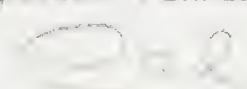
I received and very much appreciate your letter of August 9. I shall respond shortly.

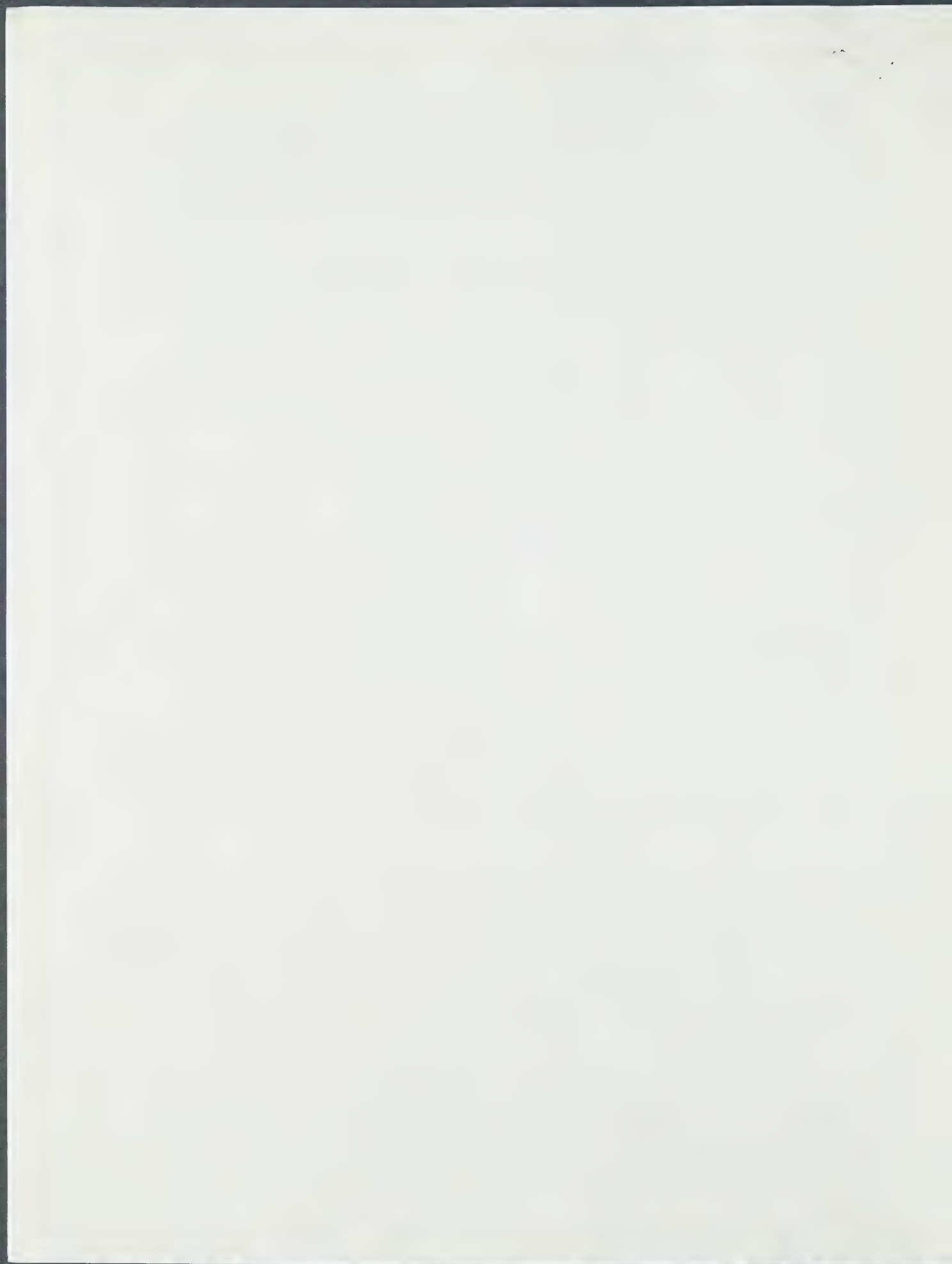
Dr. Porwoll phoned me prior to your letter, as you know. As you reiterated, he has asked me to make a proposal to Aldrich regarding licensing arrangements for Aldrich to use our method as a "backup" process for producing CD_2Cl_2 .

As you also noted, he believes the Aldrich method for producing CD_2Cl_2 is somewhat better than ours. It is difficult for me to understand how Dr. Porwoll arrives at this conclusion. Even with the cost of Na_2O being higher than previously, it does not substantially increase the overall cost of producing CD_2Cl_2 via our process.

Aldrich's lowest listed price (1992-93 Catalog) for CD_2Cl_2 is \$640/100 g. I have roughly calculated the cost of producing CD_2Cl_2 by our process as about \$125/100 g (based on its production in 1000-g batches). Unless Aldrich's merk-up and packaging costs are extremely high, it is difficult for me to understand Aldrich's retail price of \$640/100 g for a chemical that costs them less than \$125/100 g to produce ...which would presumably be the case if the Aldrich method is better than ours.

Of course, not knowing Aldrich's cost for the O_2O they use, labor-cost factors, accounting methods, etc., I had to make certain assumptions and estimates in my calculations. I have, therefore, enclosed a summary of my data and calculations for you to peruse. I am also faxing Dr. Porwoll a copy of the summary.





MEMORANDUM

Lowest retail prices
From Aldrich catalog (1992-93)
CD₂Cl₂ >99 atom% D
20 g \$180.00
1 g 9.00
100 g 1800.00

Cost via Chr Process*

CD₂Cl₂ >99 atom% D
100 g \$124.72

*Preparation of 100 g of CD₂Cl₂ >99 atom% D (Meyers et al. J. Polym. Sci. Polym. Chem. Ed. 1987, 25, 1001)

Chemicals cost (lowest retail in Aldrich Catalog, '92-'93)

D ₂ O	CH ₂ Cl ₂	1BA HSO ₃	Na ₂ O**
1000 g \$406.00	15 L \$106.10	1000 g \$137.60	1000 g \$60.00
100 g 40.60	1 L 6.88	1 g 0.12	100 g 6.00
	100 ml 0.68		

**Tilley Chemicals
1990, Vol. 11, 8

Our results: Preparation/isolation of 90 g of CD₂Cl₂ from 100 g of CH₂Cl₂.
Total amounts and cost of chemicals used.

D ₂ O	CH ₂ Cl ₂	1BA HSO ₃	Na ₂ O
288 g \$115.95	100 g 50.50	8.4 g 80.76	172.6 g 810.88

Total cost of chemicals (at 90% yield/isolation) For 90 g of CD₂Cl₂ \$127.56
pro rata for 100 g of CD₂Cl₂ 141.73

Cost considerations:

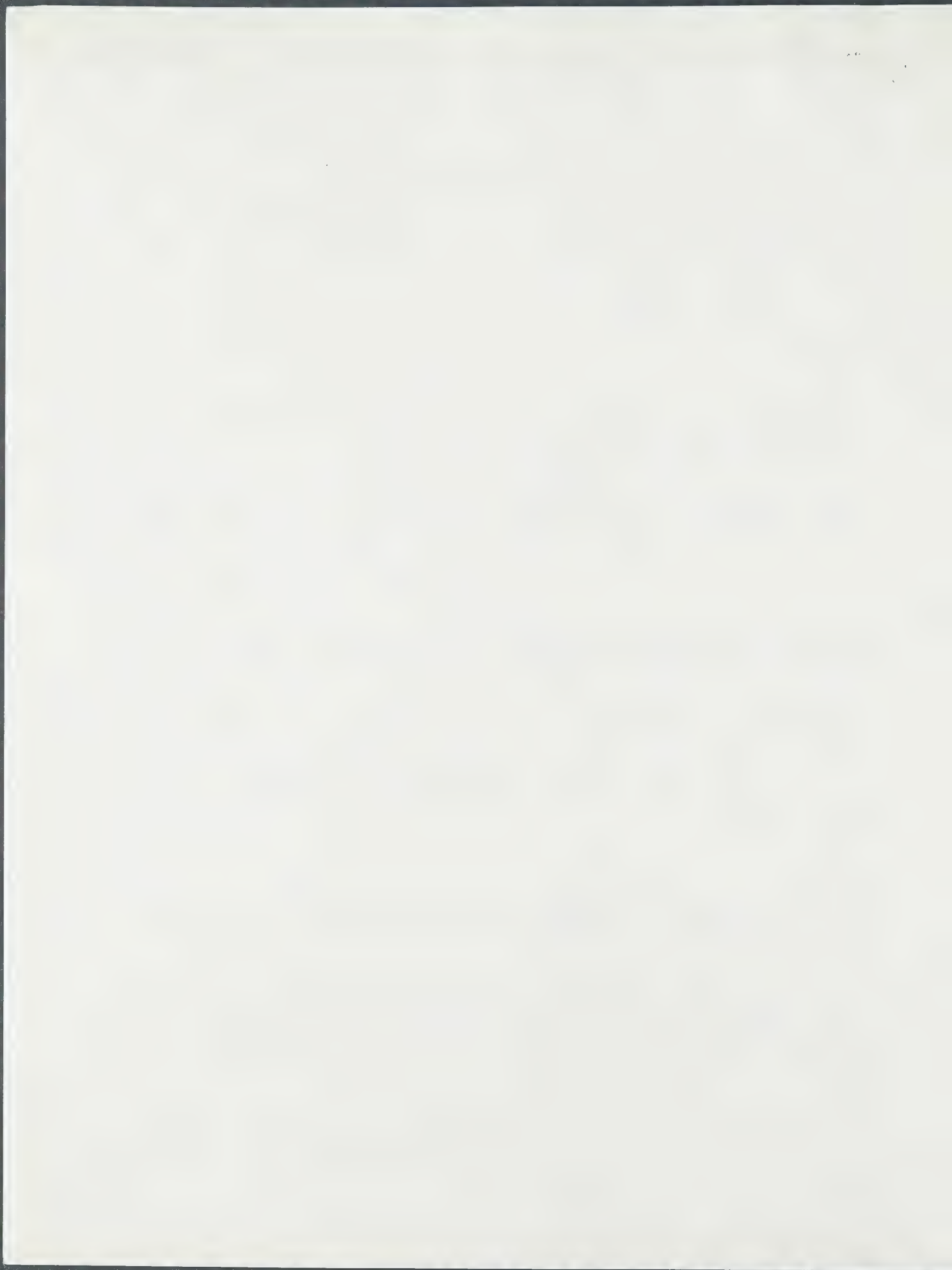
1. D₂O

a. Assuming the retail cost figure for the D₂O used includes a 30% markup, the actual cost to Aldrich would then be \$89.19 (instead of 115.95) for D₂O used in preparing 90 g of CD₂Cl₂.

b. The residual D₂O, ca 90 atom% D, can be distilled from the alkaline residue and submitted for fractional distillation to recover D₂O >99 atom% D. Estimating the equivalent value of about 25% of the D₂O cost is thus recovered, the actual cost of the D₂O used would be 75% of \$89.19 = \$66.89 (instead of 115.95) in preparing 90 g of CD₂Cl₂.

Therefore, the modified cost of chemicals (at 90% yield/isolation)

For 90 g of CD ₂ Cl ₂	\$78.80
pro rata for 100 g of CD ₂ Cl ₂	87.77



a. Unattended operation: By far the most time consumed in this exchange process involves unwatched stirring at room temperature. That time period presumably would be similar for the preparation of 1000 g or 100 g of CD₂Cl₂.

A maximum total of 30 hours of unattended operation (10 hours per stirring cycle) at a labor charge estimated roughly at \$2.00/hour would make this labor cost for the preparation of 1000 g of CD₂Cl₂ about \$60. This would be prorated to \$6.00 for the preparation of 100 g.

b. Operations carried out by a technician: Initial weighing/measuring and mixing substrate and reagents, transferring partially exchanged product by distillation, two-phase separation, or decanting from frozen aqueous phase, into another for next exchange cycle (twice), and final isolation of product by distillation, two-phase separation, or decanting from frozen aqueous phase.

In our preparation of 100 g of CD₂Cl₂ these operations consumed about 3 hours of total time after the equipment was set up. For the preparation of 1000 g these operations would not be 10 times larger but more in the neighborhood of 6-8 times larger. A fair estimate is that the preparation of 1000 g would require about 21 hours of actual technician time. Estimating the labor charge for a technician at about \$15/hour, this total labor cost would be about \$315 for the preparation of 1000 g of CD₂Cl₂, or in the neighborhood of \$31.50 prorated for the preparation of 100 g.

Table

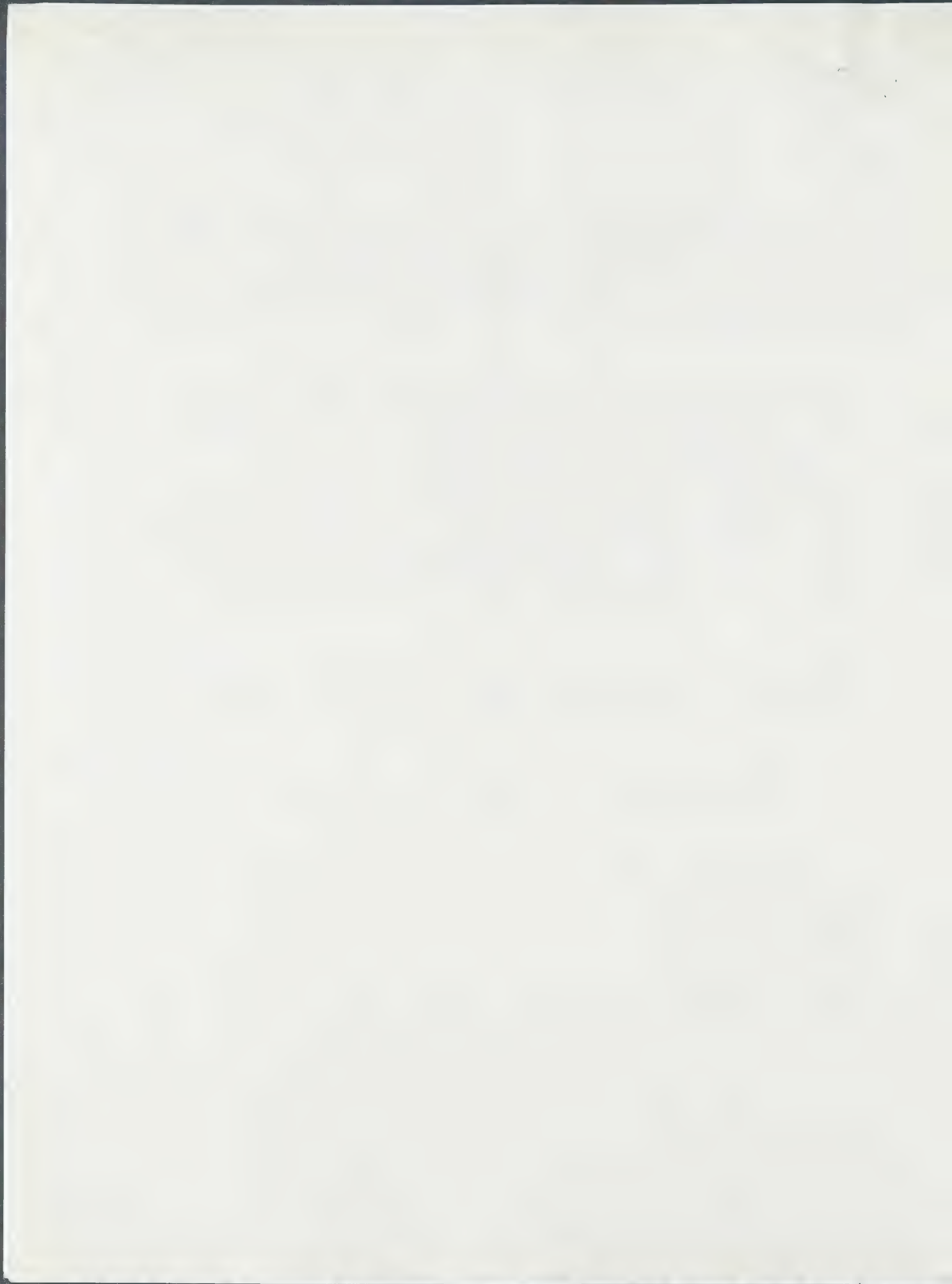
Estimated total cost of preparing 100 g of CD₂Cl₂ >99 atom% D in 1000-g batches by our process:

Chemicals	\$57.22
unattended operations	6.00
Attended operations	31.50

TOTAL COST 100 g \$124.72

Company:
 Aldrich Catalog, 1982/83
 Lowest retail prices:

Source:
 100 g \$140.00



Fax copy: Fax number 414-962-8322
July 30, 1992 2 Pages
9:30 am

SIU

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July 27, 1992

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

Dear Alfred:

Re: CD₂Cl₂, our preparation on a 100-g batch scale

Welcome home. I hope your sojourn in Europe was successful on all counts.

With respect to the possibility of Sigma-Aldrich licensing and using our patented methodology of preparing CD₂Cl₂, as we discussed during your visit here in May, we have successfully fulfilled your request that we investigate the viability of preparing CD₂Cl₂ on a 100-g batch scale via our process. We did this utilizing an initial D/H exchange and two subsequent D/H-exchange cycles. The ultimate isolation (recovery) of deuterated methylene chloride was close to 90 g (90%).

We used a simple system of four round-bottomed flasks interconnected through short-path water-cooled condensers fitted with two-way stopcocks. The first three flasks contained magnetic stirrer bars and the flasks were placed in water baths on magnetic stirrer-hotplates. The first flask contained CH₂Cl₂ (100 g) and the first three flasks contained the calculated amount of Na₂O (57.5 g), D₂O (95.2 g) and phase-transfer catalyst [Aldrich or Sigma (n-butyl)₄N⁺ HSO₄⁻, 1.8 g] to provide the calculated equilibrium amount of D/H exchange necessary to afford the ultimate preparation of CD₂Cl₂ with at least 99% D from the three exchange cycles. The fourth flask was fitted with a drying tube and was used as the distillation receiver to collect the ultimate product from the third exchange cycle.

Each of the three D/H-exchange cycles was carried out at room temperature with vigorous magnetic stirring for at least 10 hours, with the stopcocks closed. The D/H-exchanged methylene chloride was then transferred to the next flask (cooled in an ice bath) by distillation using a water bath heated to a maximum of 70 °C. The extent of deuteration at any time was monitored by ¹H NMR simply by removing a sample of the methylene chloride and determining the ratio % (X) of its integration area at δ 5.32 to that of pure CH₂Cl₂ with constant parameter settings; %D = 100-X. The method's accuracy was verified with prepared mixtures of CH₂Cl₂ and CD₂Cl₂.

Handwritten notes at the top of the page, including a date "July 20, 1952" and a name "Dr. E. J. ...".

Department of ...
University of ...
College ...

Dear ...
I am ...

The ...
I have ...

We ...
The ...

It ...
The ...

We encountered only one unexpected problem, and that was independent of the process. The extent of deuteration at equilibrium in each run never reached the calculated maximum: we were about 5-7% below this maximum in each D/H-exchange cycle. Even in repeating the smaller runs, like those in the patent, we could not reach our earlier attained equilibrium levels of D incorporation. The answer was a simple one: We used the same Na_2O now as before, and that was in 1986. The Na_2O was packaged in a double plastic bag placed in a can, as it was sent to us originally from Alfa, and by no means tightly sealed. Na_2O is notoriously hygroscopic, forming NaOH . With the many times we opened the bag during the year we worked out the process, and the six years the can was in our lab between then and now, it is no wonder that atmospheric moisture got in and converted some of the Na_2O to NaOH , which was the source of H we had not considered in our calculations. With fresh Na_2O we would have easily obtained CD_2Cl_2 with >>99%D as we had before.

I phoned Alfa to order a fresh supply and learned they no longer carry Na_2O . I contacted a number of other suppliers of Na_2O listed in *Chem. Sources* but none was able to supply it currently. Terry Collins, of Aran Isle Chemical Co., told me to get in touch with John Long at Aldrich. John was very interested and concerned; he said I should phone Greg Stern who had worked with Atomergic, a former supplier of Na_2O . Greg said he could make Na_2O for us, but in the meantime he suggested I try Tilley Chemical Co. in Baltimore.


Tilley's Manager of International Sales, Marc Matusewitch, told me he could get as much Na_2O as we needed, from the French company Metaux Speciaux. I told him the eventual use was large scale, possibly by Sigma-Aldrich, as I had discussed the potential use with you. He asked me to have you phone him to discuss potential quantity and price.

Mr. Marc Matusewitch
Tilley Chemical Co.
501 Chesapeake Plaza
Baltimore, MD 21220
Phone: 410-574-4500
Fax: 410-391-6665 or 410-687-5036

I look forward to hearing from you and further discussing licensing plans.

With all best wishes and regards to you and Isabel.

Sincerely,



Cal Y. Meyers

We considered only the possibility of... The extent of the... could not... The... to its... of the... for the... last... of the... with...

I found... of... was... and I... of...

The... of... the... of...

Very truly yours,
[Signature]

I look forward to hearing from you...
With best wishes...