

Alfred Baker Sands

Correspondence

Casewestern Reserve Univ.  
1995-1998

QUEEN'S UNIVERSITY ARCHIVES	
LOCATOR	5098.5
BOX	4
FILE	31









CASE WESTERN RESERVE UNIVERSITY

28 April 1998

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

Dear Dr. Bader,

Thank you for your letter of the 22<sup>nd</sup>, and for your kind comments about my book. Bear in mind that I wrote that sentence about Loschmidt some years ago, and I might well have phrased the sentence differently were I writing today. In particular, although I have not changed my mind on the substance of the issue, I am always open to reconsider my opinions; and indeed I have not yet seen the Loschmidt volume published by Plenum.

I would be delighted to see <sup>you</sup> on May 6. I have an appointment with a mover at 1:30 (we are moving several occupants of the department this summer, and as department chair I have to make the arrangements), but I have nothing else pressing that afternoon.

Thank you also for enclosing the correspondence you had with Professor Schiemenz. To be honest, I also thought that Schiemenz's little witticism was in bad taste, and I was glad to see from the correspondence that he had apologized for it. I appreciated the kind comment you made to Schiemenz about me. I always regret when there is bad feeling between scholars, and I even hope that someday Professor Wotiz and I might reconcile and be friendly again with each other. But I don't know if this is possible on his part.

Hoping to see you on the 6<sup>th</sup>,

With my best regards,

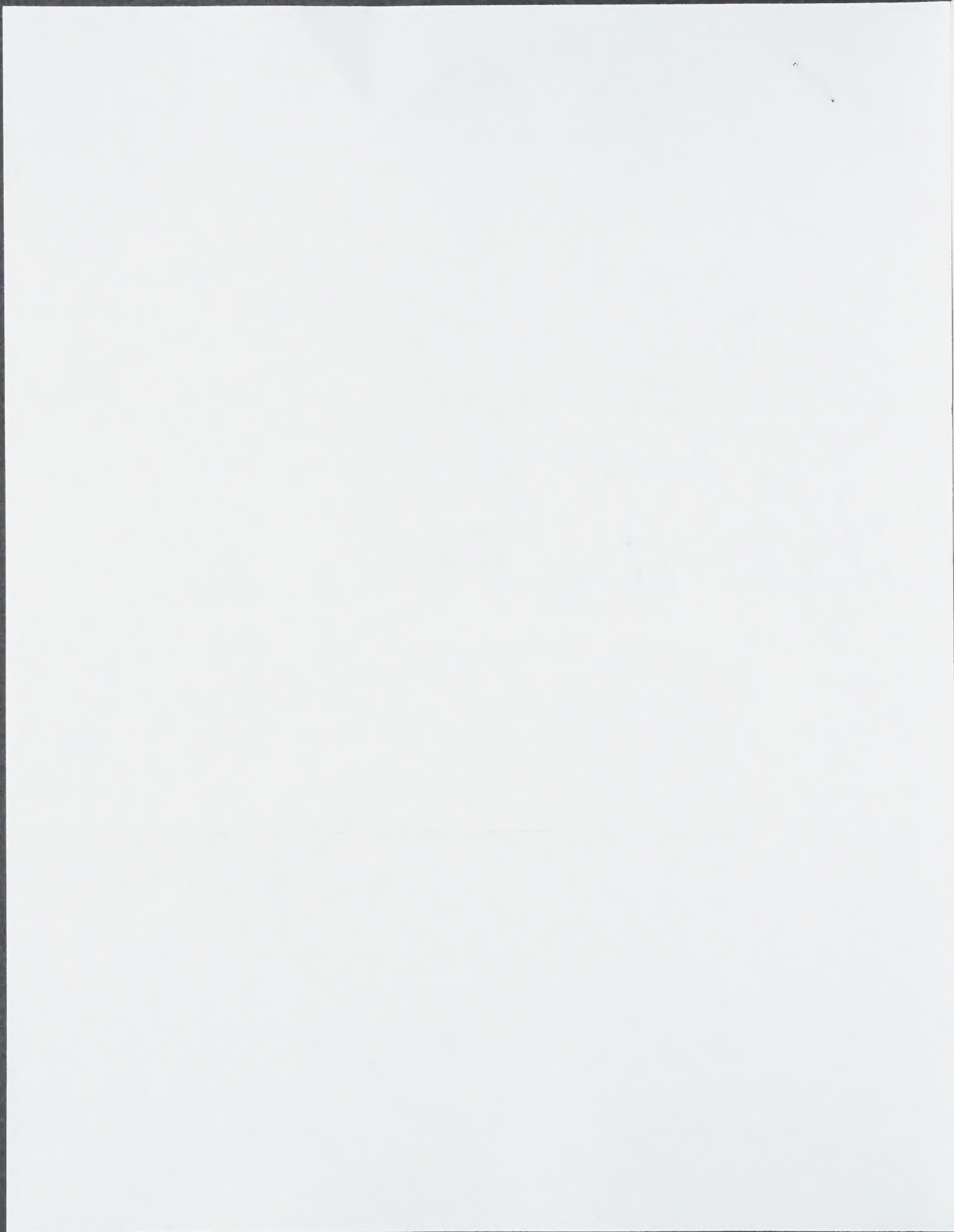
Alan J. Roche  
Bourne Professor of History and  
Chair, Department of History

Department of History

MAILING ADDRESS  
Case Western Reserve University  
10900 Euclid Avenue  
Cleveland, Ohio 44106-7107

VISITORS AND DELIVERIES  
106 Mather House  
11201 Euclid Avenue

Phone 216-368-2380  
Fax 216-368-4681







FAX FROM

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

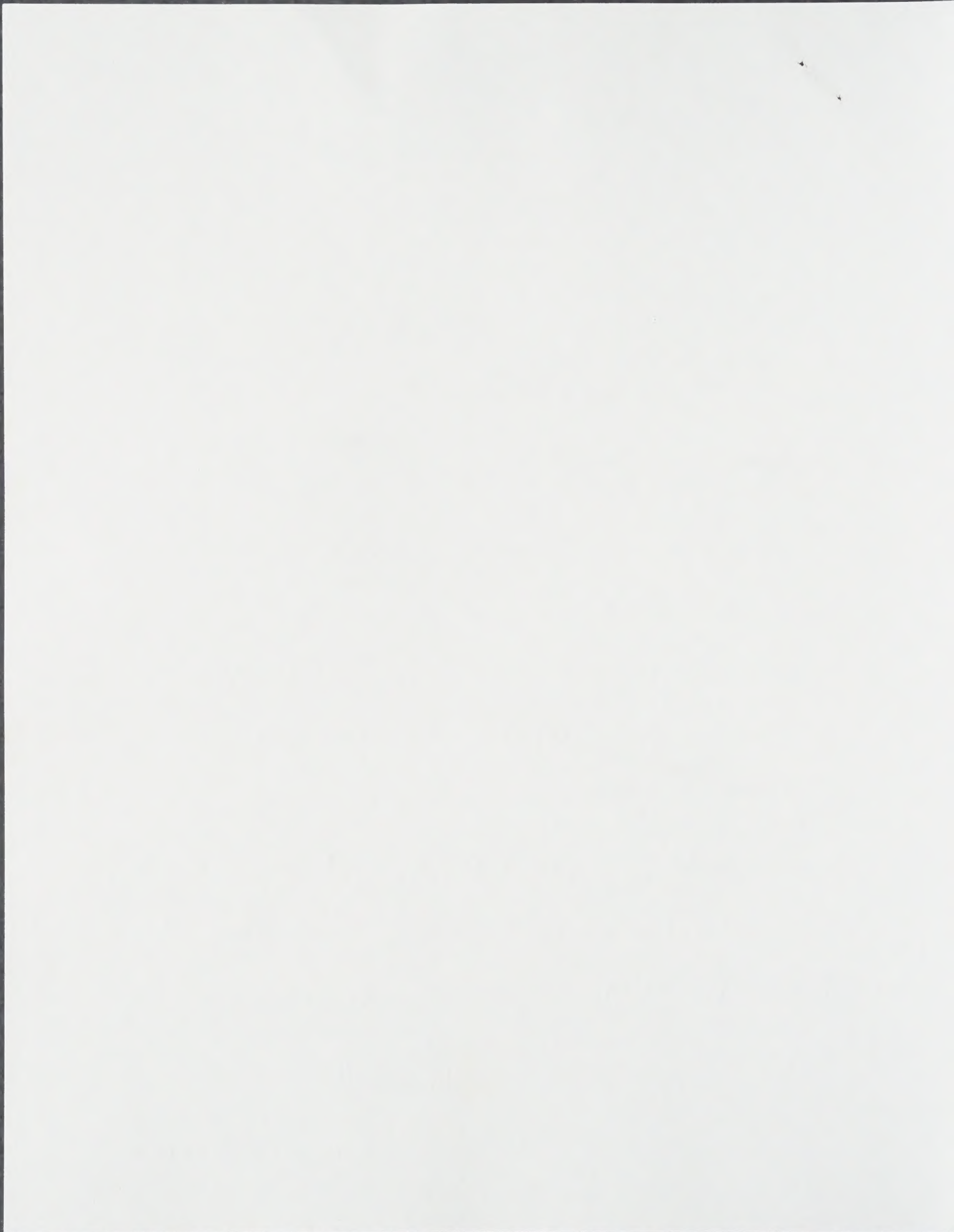
To: Prof. Alan Rock  
Fax: 216 368 4681  
Date: May 3 98

Message:

Dear Prof. Rock:  
Thanks for your letter. Isabel & I  
look forward to seeing you on  
Wednesday mid-afternoon. We plan  
to drive from Milwaukee to Oberlin and  
then leave Oberlin around 2 pm.  
Wednesday. Could you please FAX  
me directions tomorrow, Monday, how  
best to drive from Oberlin to your  
office.

Thanks.

Alfred Bader







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

*A Chemist Helping Chemists*

August 19, 1997

Professor Alan J. Roche  
Department of History  
Case Western Reserve University  
10900 Euclid Avenue  
Cleveland, OH 44106-7107

Dear Alan:

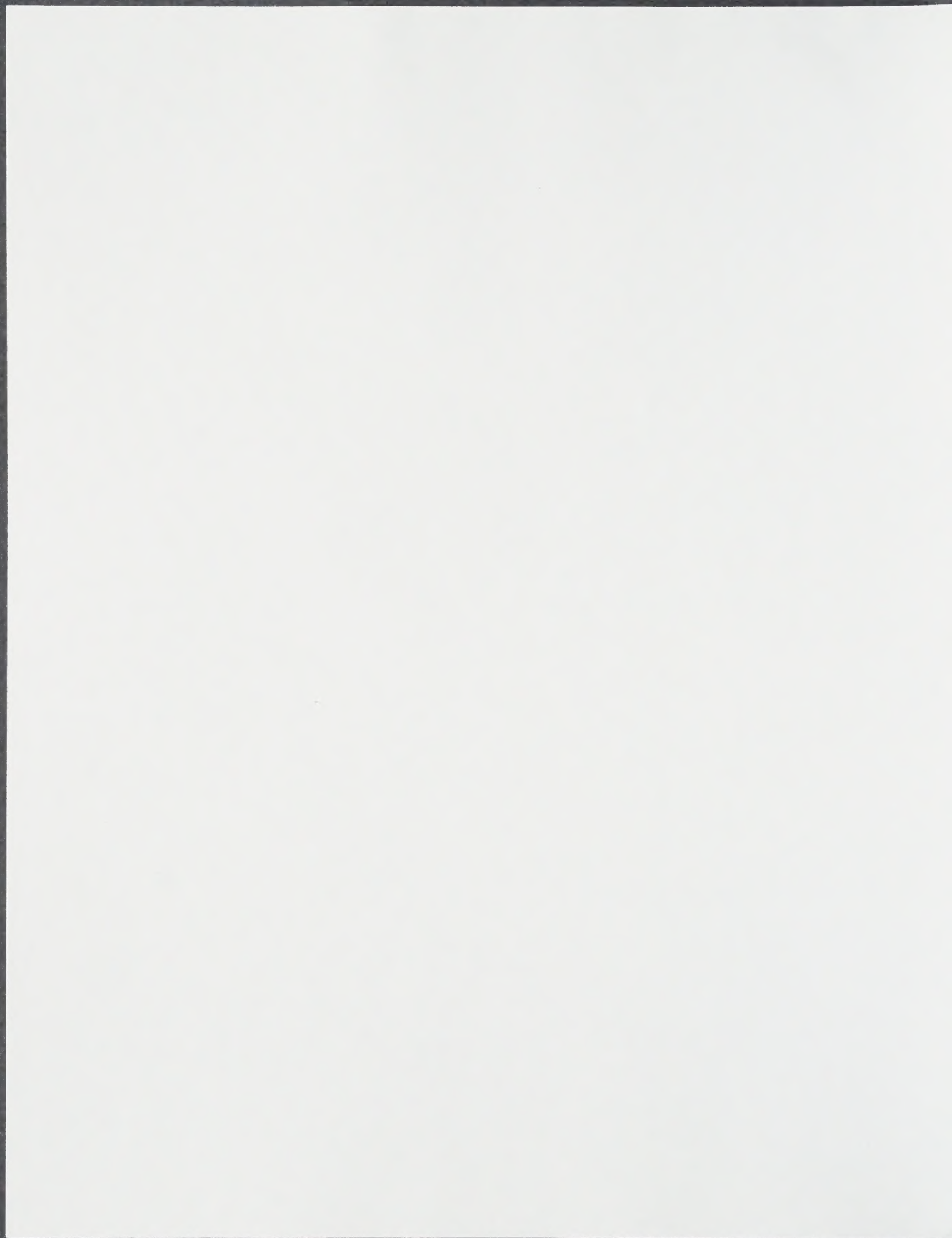
I so enjoyed reading your brilliant paper on Victor Mayer in this month's *Chemistry in Britain*.

What a sad ending to an astounding life.

With all good wishes, I remain,

Yours sincerely,

AB/cw







CASE WESTERN RESERVE UNIVERSITY

25 August 1997

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

Dear Dr. Bader,

Thank you for your welcome note about my article in *Chemistry in Britain*. The photocopy from Schiemenz's article was also a propos. Richard Meyer's biography of V.M., which perhaps you have read, is just filled with wonderful stories such as that. The only pity is that I was so limited by the editor to a certain length, which I exceeded.

It was very good to hear from you. I hope that all is going well.

Very truly yours,

Alan J. Roche  
Henry Eldridge Bourne Professor and  
Chair, Department of History

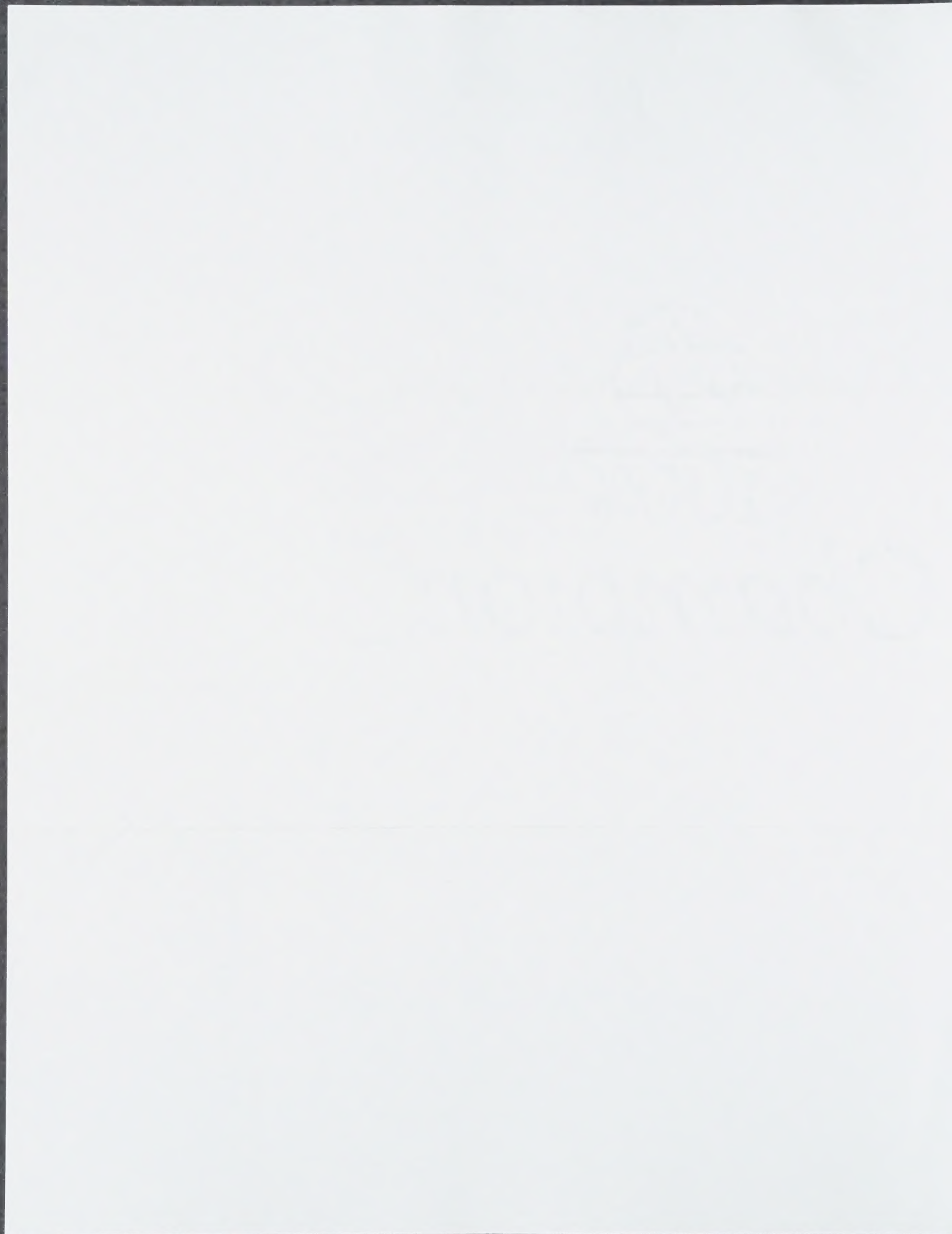
Department of History

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

*A Chemist Helping Chemists*

August 4, 1997

Professor Chaim N. Sukenik  
Department of Chemistry  
Case Western Reserve University  
10900 Euclid Avenue  
Cleveland, OH 44106-7078

Dear Chaim:

I am happy to have your letter of July 28th and to know that you are happy at Bar Ilan University.

As you will be able to imagine, I get several requests a day to help in the funding of this and that.

Isabel and I have decided that we want to concentrate on helping the most disadvantaged and can often do this through the American Joint Distribution Committee.

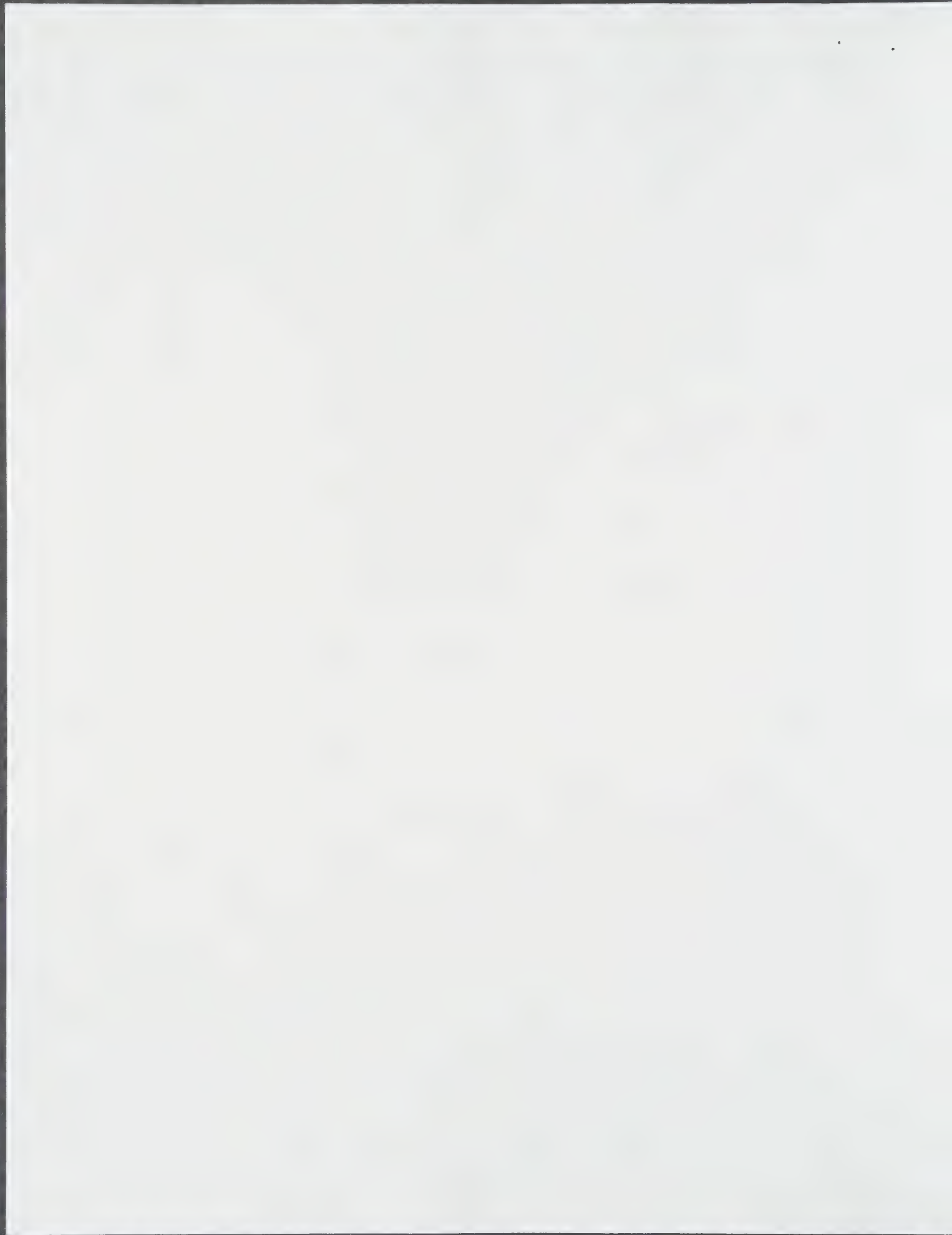
I hope that you will understand.

With all good wishes, I remain,

Yours sincerely,

AB/nik









CASE WESTERN RESERVE UNIVERSITY

July 28, 1997

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

Dear Alfred,

In going through old correspondence as I clean out my office at CWRU, I came across the attached copy of a letter that I wrote to you about two years ago. I hope it found its way to you at that time. The past two years at Bar Ilan have been rather hectic, but exciting. All in all, we are both pleased and grateful that our relocation has been quite successful.

That letter started me on a line of thinking that I would like to share with you in the hope of sparking your interest in a project that I began to put together over the past 6 months.

An advisory panel to the Israel Ministry of Science has identified the area of "Advanced Materials" as one of the central priorities for Israeli scientific research. My reading of the research environment in the Chemistry and Physics Departments at Bar Ilan University is that the creation of a Research Center in Advanced Materials at Bar Ilan is an exciting opportunity whose time has come. I envision a center that would provide both state-of-the-art instrumentation for academic and industrial users, and the best possible interdisciplinary training for Israeli scientists. It would also actively foster and build research relationships between industrial and academic research laboratories. The Bar Ilan administration is supportive of the creation of such a center and I have begun the search for sponsors both to endow the center and to assist in the acquisition of some of its major equipment. This is a very ambitious project, but one that I am confident will create an important resource within the scientific infrastructure of the State of Israel.

I have enclosed for your perusal two pages describing some aspects of the proposed center. I will be in the United States till August 18 and would welcome the opportunity to discuss this project with you. I hope that you will indicate a willingness for us to talk by contacting me by return mail to the Case Western Reserve Chemistry Department (where I am in residence for the summer), or by phone to 216-368-2611, or by fax to 216-368-3006, or by e-mail to [cns@po.cwru.edu](mailto:cns@po.cwru.edu).

I look forward to hearing from you. Best wishes.

Sincerely,

Chaim N. Sukenik  
Professor of Chemistry  
and of Materials Science  
and Engineering

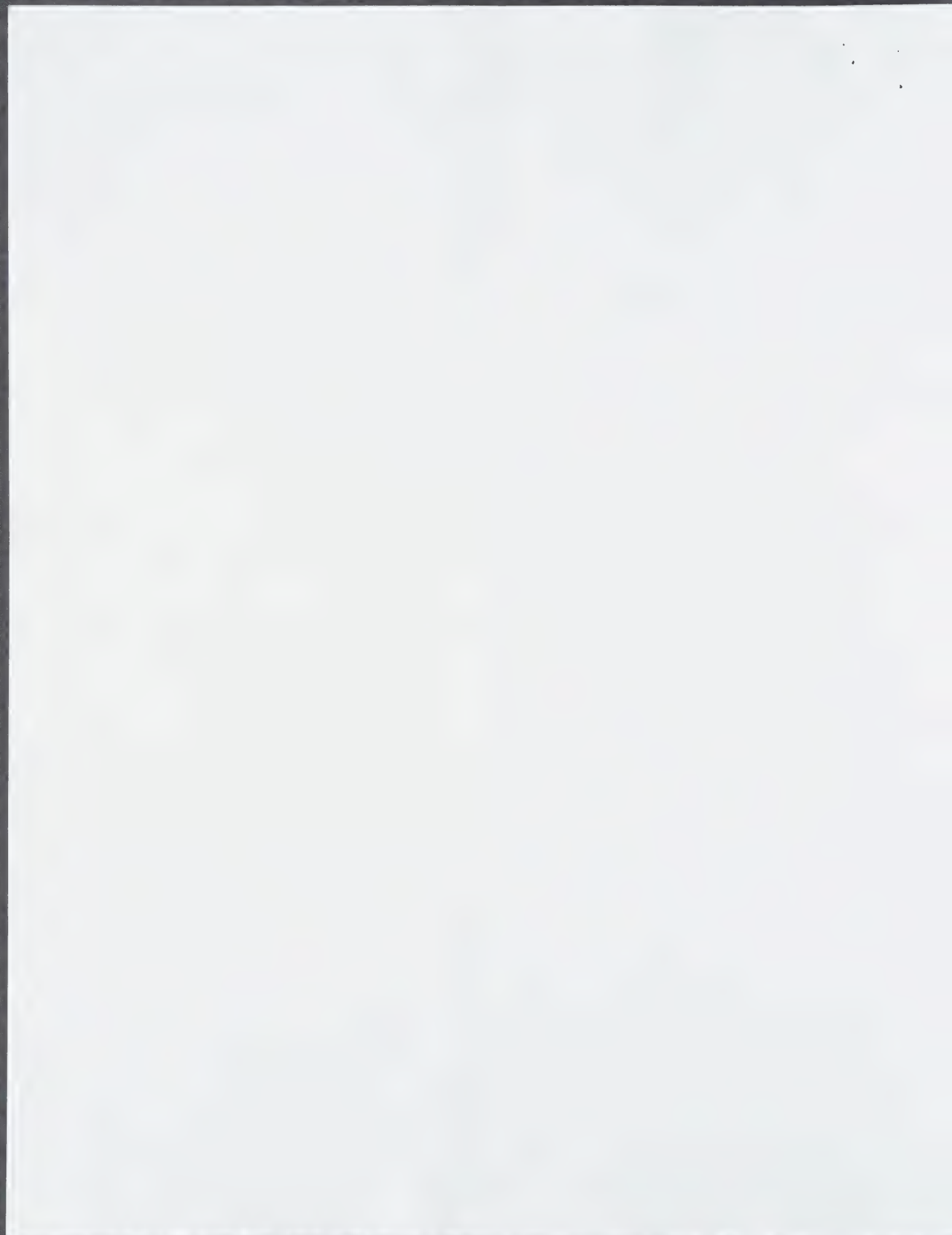
enclosures: copy of letter; 2 pages on Bar Ilan Center for Advanced Materials  
Department of Chemistry

MAILING ADDRESS  
Case Western Reserve University  
10900 Euclid Avenue  
Cleveland, Ohio 44106-7078

VISITORS AND DELIVERIES  
102S Millis Science Center  
2074 Adelbert Road

Phone 216-368-3620  
Fax 216-368-3006







July 18, 1995

Dr. Alfred Bader  
2961 N Shepard Ave  
Milwaukee, WI

COPY

Dear Dr. Bader;

I hope this letter finds you in good health.

I had hoped to be able to talk to you in person, but, for now, this will have to suffice. I had tried to visit you when my family and I were in Milwaukee last month. We spent the weekend of June 9-11 as visitors at my son Dovid's Yeshiva High School (WITS, on Lake Drive) and had the pleasure of participating in the festivities in honor of his graduation. We are very proud of Dovid and his accomplishments and continue to be most impressed with the Yeshiva, it's student body, and its staff. We are grateful for the effort they invested in our son and were pleased to share this feeling with the extended family of the Yeshiva and with the Milwaukee Jewish community. As a member of that community you have a lot to be proud of in the quality of that school and its products.

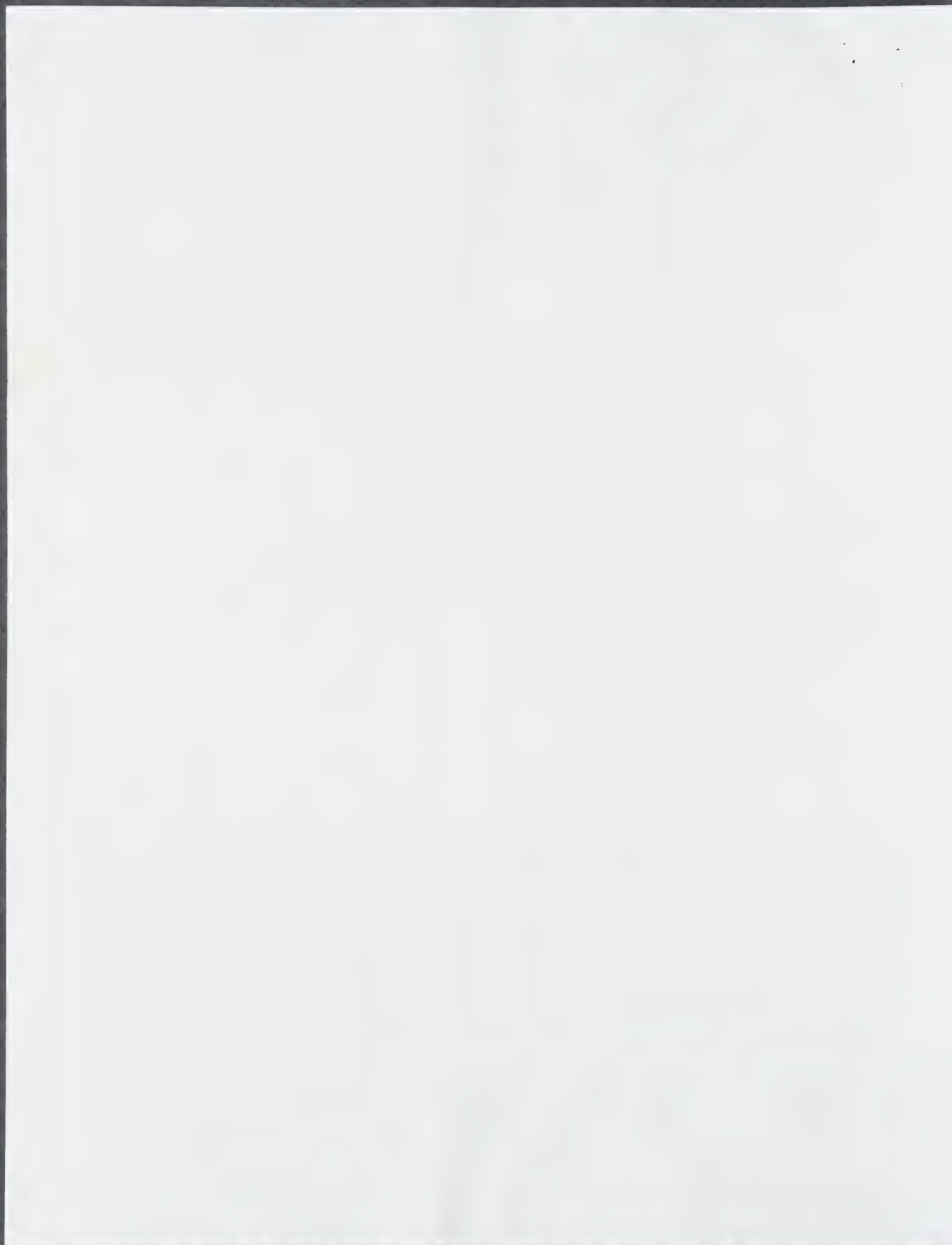
Besides wanting to just see you and say hello during that Milwaukee visit (when I called I was informed that you were out of town), I wanted to share with you an exciting personal development. My family and I are moving to Israel. Over the 12 years since you and I first met (around the time of the birth of my youngest son, Shraga), my family and I have spent two sabbaticals in Israel and have developed a real love of the land and a desire to live there. I have now been offered a position on the Chemistry faculty at Bar Ilan University and while I am formally on leave from Case Western for the coming year, we are hopeful that this move to Bar Ilan will be a long-term, permanent, Aliyah. I am sure that you understand our enthusiasm for this move and hope that you will wish us well as we embark on this new phase of our lives. Knowing your feelings towards Israel, I am sure you will share in my excitement at the prospect of becoming a productive member of Israeli society and of its scientific community. I hope that there will be opportunities for us to get together when you are in Israel in the future.

I look forward to our continuing to be in touch. Best wishes,

Sincerely,

Chaim N. Sukenik  
Professor of Chemistry  
and of Materials Science  
and Engineering





# **Proposal for Creation of a Center for Advanced Materials at Bar Ilan University**

*Chaim N. Sukenik  
Department of Chemistry*

At one of the emerging frontiers of modern physical science lies the creation and study of new materials. The explosion in the development of new materials, ranging from high performance composites to biomaterials to superconductors to nanoscale structures, has been fueled by the emergence of new analytical methods and new processing paradigms. It has allowed molecular scale pictures of both bulk materials and material interfaces to guide the design of complex multicomponent systems.

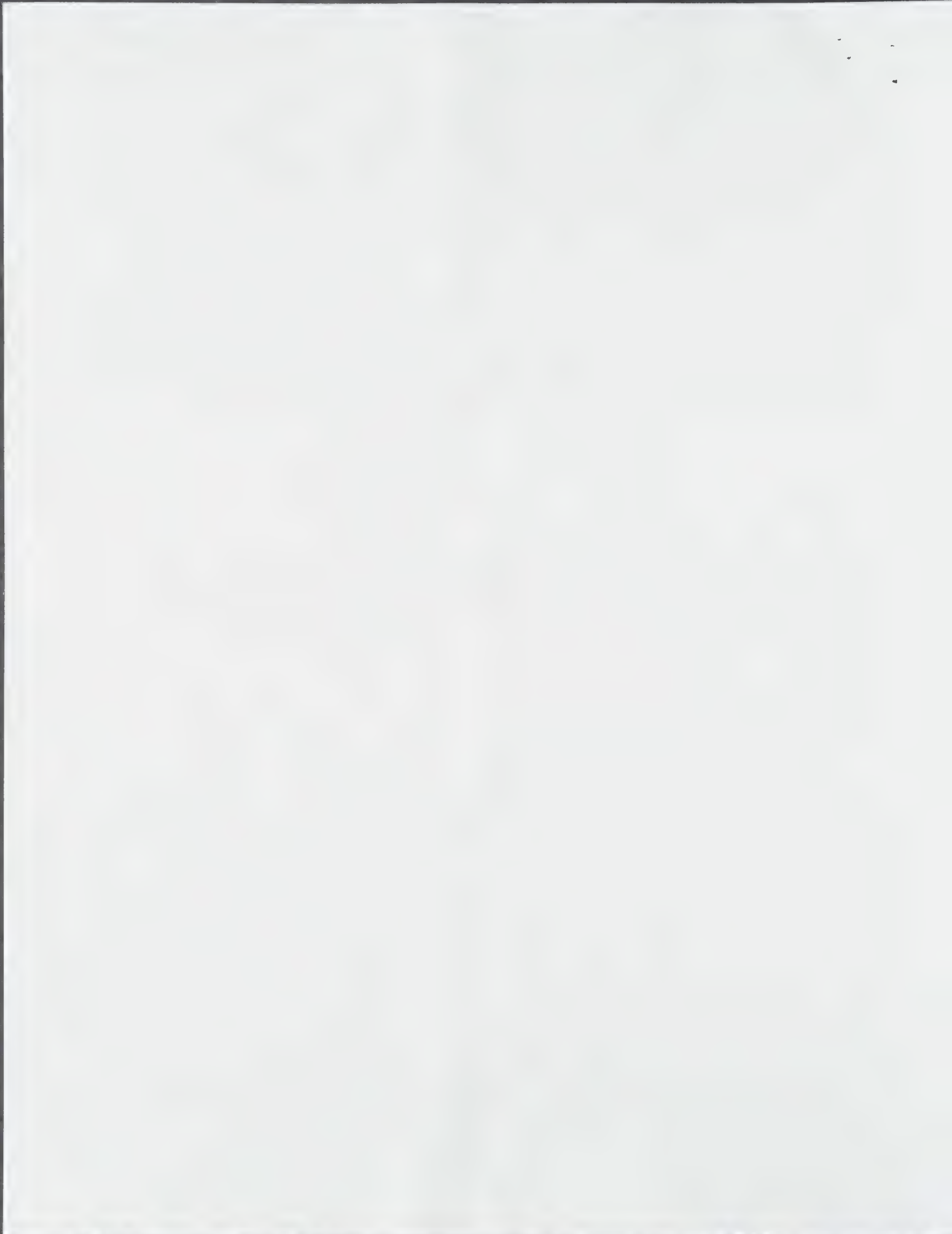
Both the pace and scope of these advances have necessitated a redefinition of the research strategies that allow such problems to best be addressed. Firstly, this field is increasingly dependent on research collaborations. The design and creation of the materials and the evaluation of the properties and applications for new materials often demand diverse kinds of expertise that can only be achieved by bringing together scientists with different backgrounds and perspectives and getting them to focus, in a complementary way, on different aspects of such research problems. Secondly, while preparative chemical methods are often associated with relatively low cost experimental equipment, the demands of the molecular scale analysis of materials and interfaces that are an essential part of such research involves increasingly sophisticated and expensive equipment. This has created new challenges for the research establishment in obtaining, maintaining, and regularly updating this hardware.

It is proposed that Bar Ilan University create a Center for Advanced Materials. This center would be based in the Faculty of Natural Sciences and would provide the framework needed for promoting the research collaborations and interdisciplinary activities that would allow such research to flourish across the Bar Ilan campus. The plan for its organization and activities is attached. Through coordinated applications for research funding, a range of interdisciplinary scholarly activities, and enhanced interactions with Israeli industry, the Center will enable Bar Ilan to respond to the challenges and opportunities of current scientific activity both in Israel and around the world. The Israeli Ministry of Science has declared "Advanced Materials" to be one of its primary target areas and this field is a major focus for both academic and industrial development. Such a center would place Bar Ilan's research and educational programs at the forefront of an important area of modern technology and directly enhance Bar Ilan's standing in the Israeli academic and industrial communities.

## Center-Based Activities Underway (as of June 1997):

- Proposal submitted to VATAT for acquisition of XPS (photoelectron Spectrometer) \$600K
- Proposal submitted to DIP (Minerva) with the Max Plank Institute - Mainz and the Technical University of Dresden - 6,700,000 DM/ 5 years
- Inaugural symposium scheduled for November 10, 1997





# The Bar Ilan Center for Advanced Materials (BICAM)

DIRECTOR: *Chaim N. Sukenik, Professor of Chemistry*

One of the most exciting and rapidly changing areas of modern science is the study and development of new materials. Society has become increasingly dependent on the availability of customized materials to solve ever-more demanding problems. These challenges have created a need for both structural materials and functional materials for use in such diverse applications as microelectronics, biomaterials, energy storage, sensors, and catalysis.

In response to these important technological needs, Bar Ilan University has brought together an outstanding team of scientists whose research focus is in the Chemistry and Physics of Materials Science, with special emphasis on the creation of new, high performance, materials and on an understanding of their structure and function. These include new composite materials, new kinds of ultra-thin films, new electrodes and electrolytes, and new metallic and polymeric microstructures. This research aims to develop an understanding of bulk and interfacial structure and properties and to create unique capabilities which are directly related to molecular organization.

## Senior Members of BICAM:

D. Aurbach, A. Gedanken, M. Deutsch, S. Margel, C. Sukenik, A. Tzaban, Y. Yeshurun

## Organization and Resources of BICAM

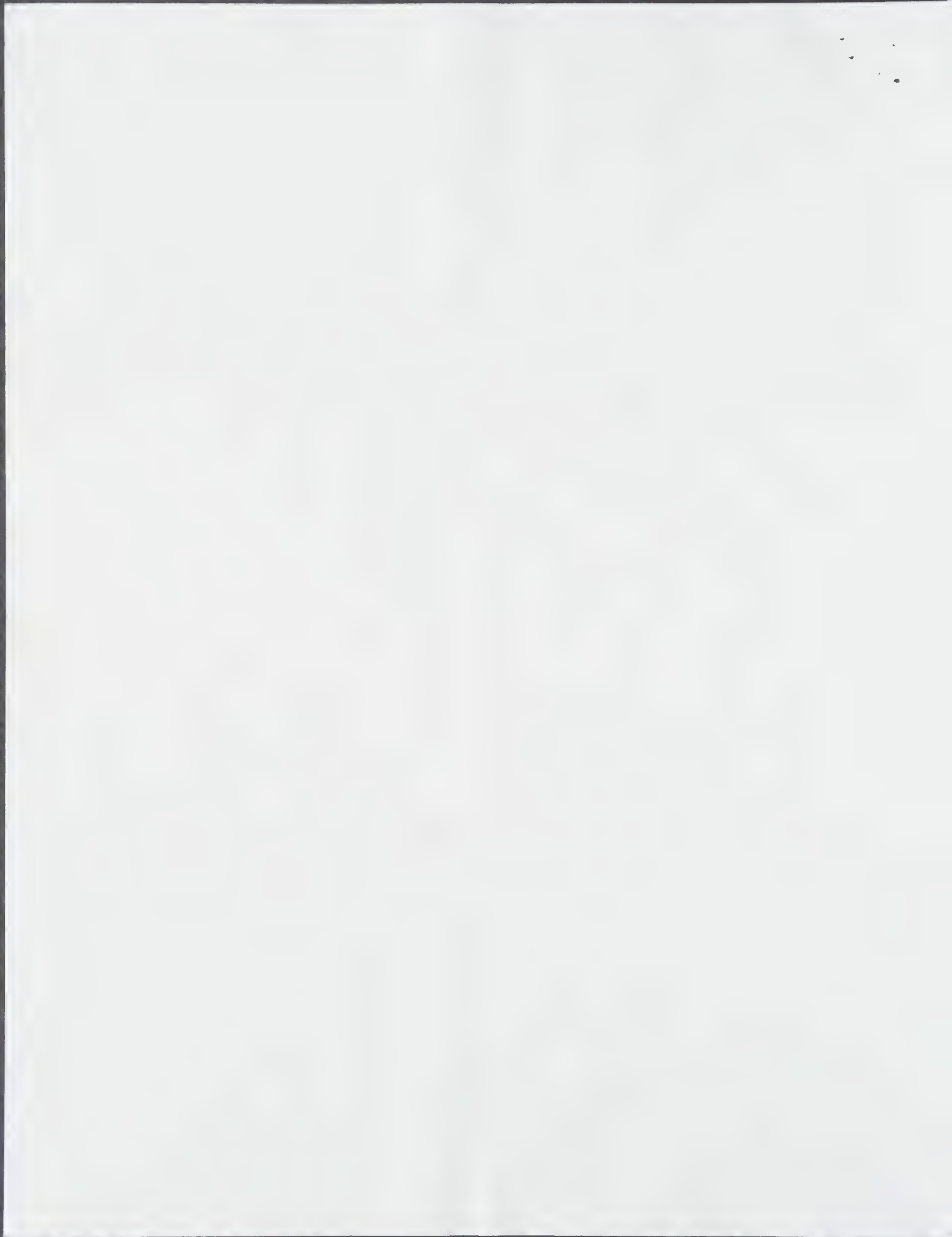
Participating research groups include more than 40 Bar Ilan scientists in various areas of physical sciences. They include expertise in surface science, polymers, interfacial chemistry, electro-chemistry, biomaterials, superconductivity, high performance organic and inorganic materials and thin films, and a wide range of spectroscopic and analytical tools.

The center is also to include the participation of Israeli companies, playing an active role in supporting campus-based research activities through internships and exchange visits for university and industrial scientists and active collaboration with university-based members of the center in both proprietary and basic research. Senior corporate personnel are to serve as members of the Center's Board of Directors and its various operating committees. To assure effective interaction of the center with Israeli industry, an Industrial Advisory Board is to convene regularly to evaluate the success of the various initiatives taken by the center, select new BICAM-sponsored research projects, evaluate the progress of ongoing projects, and consider new directions for the future.

## Activities of BICAM

- Encourage and coordinate joint research projects and research proposals among the Center's research groups and between academic and industrial research laboratories
- Solicit topics of research interest from member companies and provide, on the basis of an internal competition, support for a limited number of research projects, based on the needs and interests of participating companies
- Organize workshops and seminars for academic and industrial scientists
- Offer consulting services and analytical facilities to member companies
- Facilitate industrial internships in corporate laboratories for Bar Ilan students and coordinate visits of varying duration for industrial scientists in Bar Ilan laboratories
- Create team-taught courses within Bar Ilan, incorporating the expertise and experience of industrial researchers





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

*A Chemist Helping Chemists*

September 1, 1995

Professor Alan J. Roche  
Department of History  
Case Western Reserve University  
10900 Euclid Avenue  
Cleveland, OH 44106-7107

Dear Professor Roche:

My long trip to Europe has delayed my thanking you for your letter of July 5th.

The Loschmidt Symposium went very well indeed, and Plenum will publish all of the papers that were given.

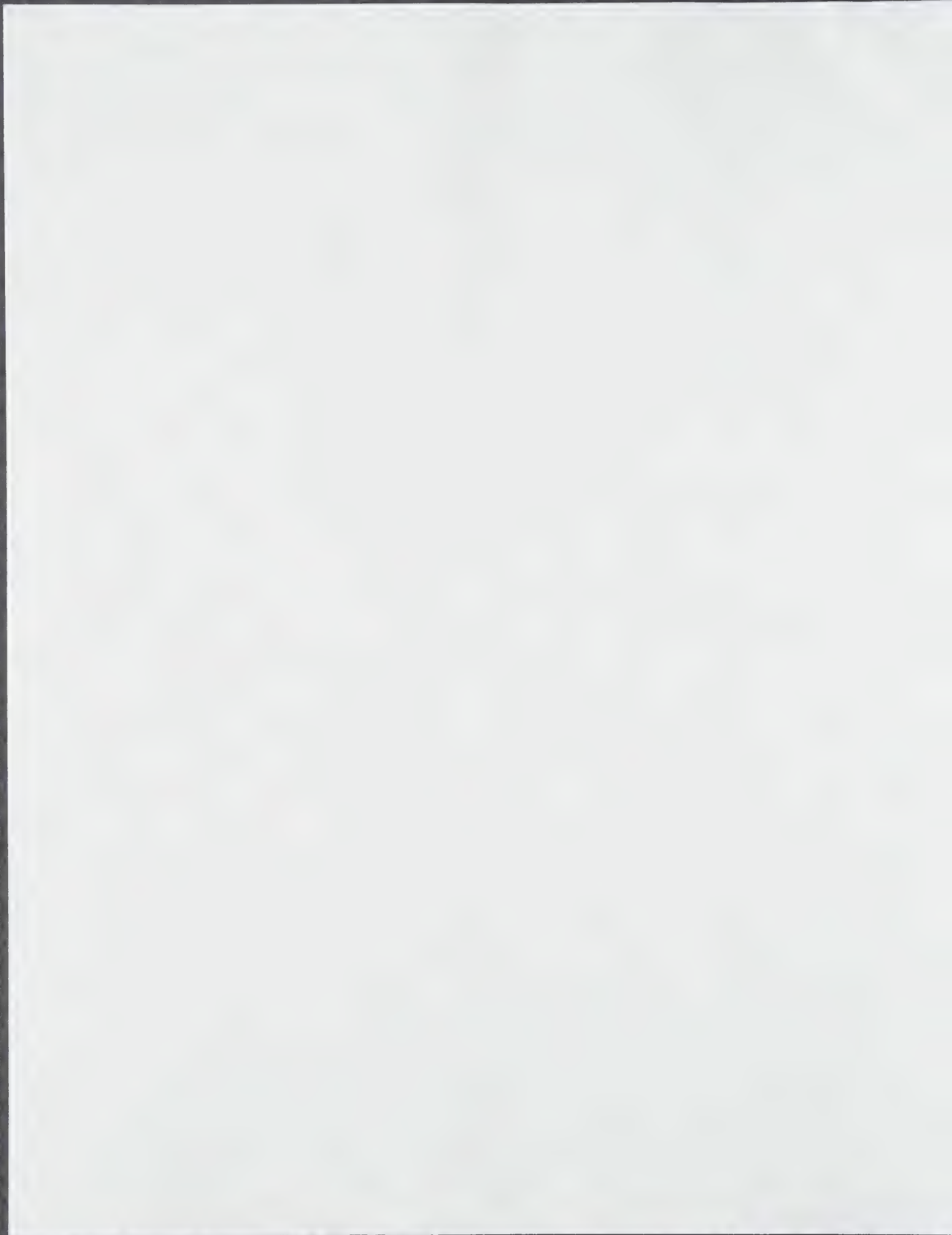
The American Chemical Society is now selling my autobiography. Chapter 16 deals with Loschmidt, and of course, I cite your paper in *Chemistry in Britain*. It is good to know that we can disagree civilly and still respect each other.

With all good wishes, I remain,

Yours sincerely,

AB/cw







CASE WESTERN RESERVE UNIVERSITY

5 July 1975

Dear Dr. Bader,

Many thanks for your interesting letter of May 12. I apologize for the long delay in answering, but I left for Europe <sup>last</sup> of May 15 before receiving the letter, and just returned home two days ago.

The Bulletin is, as you guess, in hiatus, but we hope to be able to resume publication before long.

I am delighted to hear of the publication of your autobiography! I look forward to reading it.

Unfortunately, my long summer trip in Paris this summer meant that I was not able to attend the Konradinert event. I hope it went well; it certainly looked interesting.

With warm regards,

Department of History

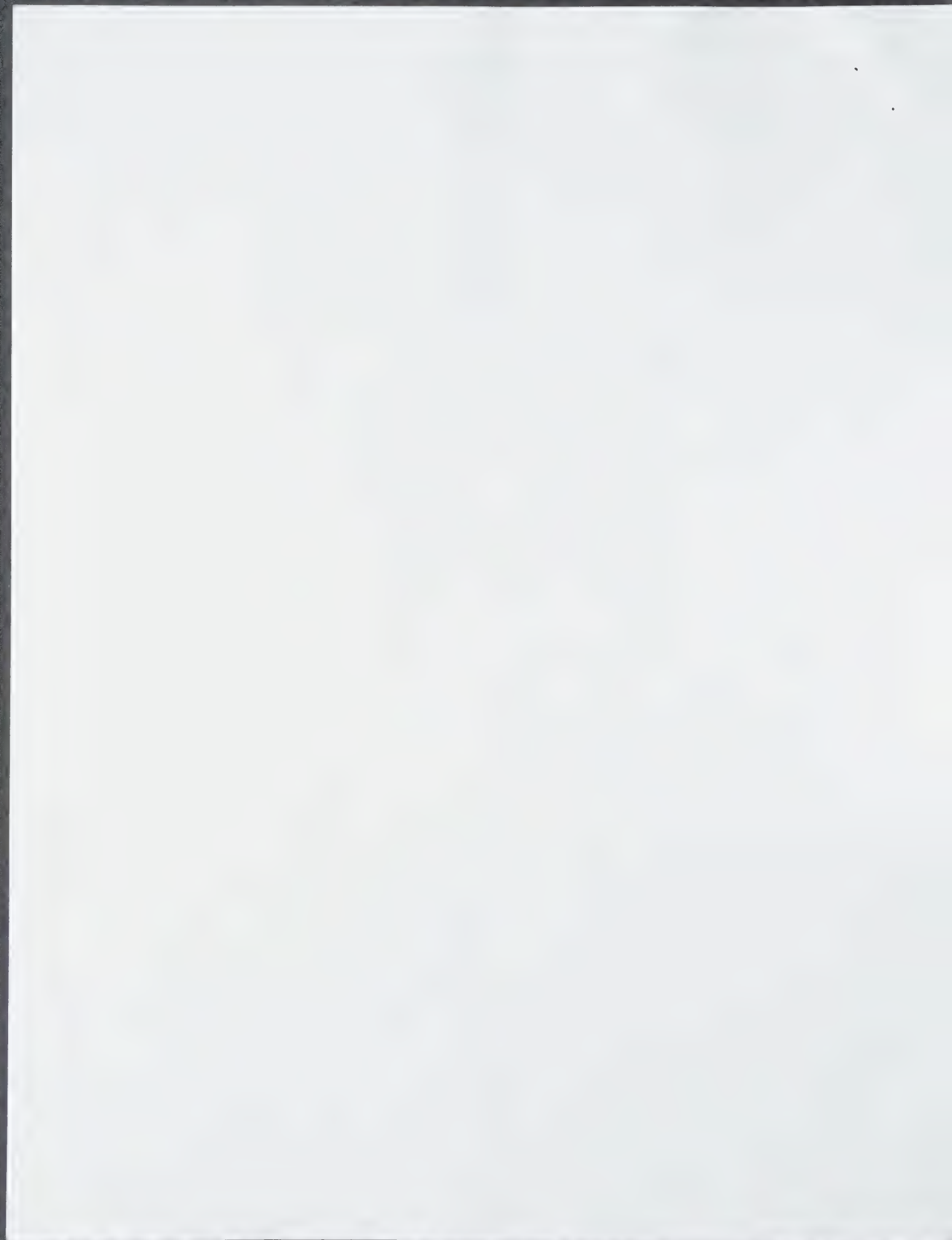
MAILING ADDRESS:  
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PHONE NUMBERS:  
216/220-3300  
216/220-3301

TELETYPE NUMBER:  
216/220-3301

John P. Miller







CASE WESTERN RESERVE UNIVERSITY

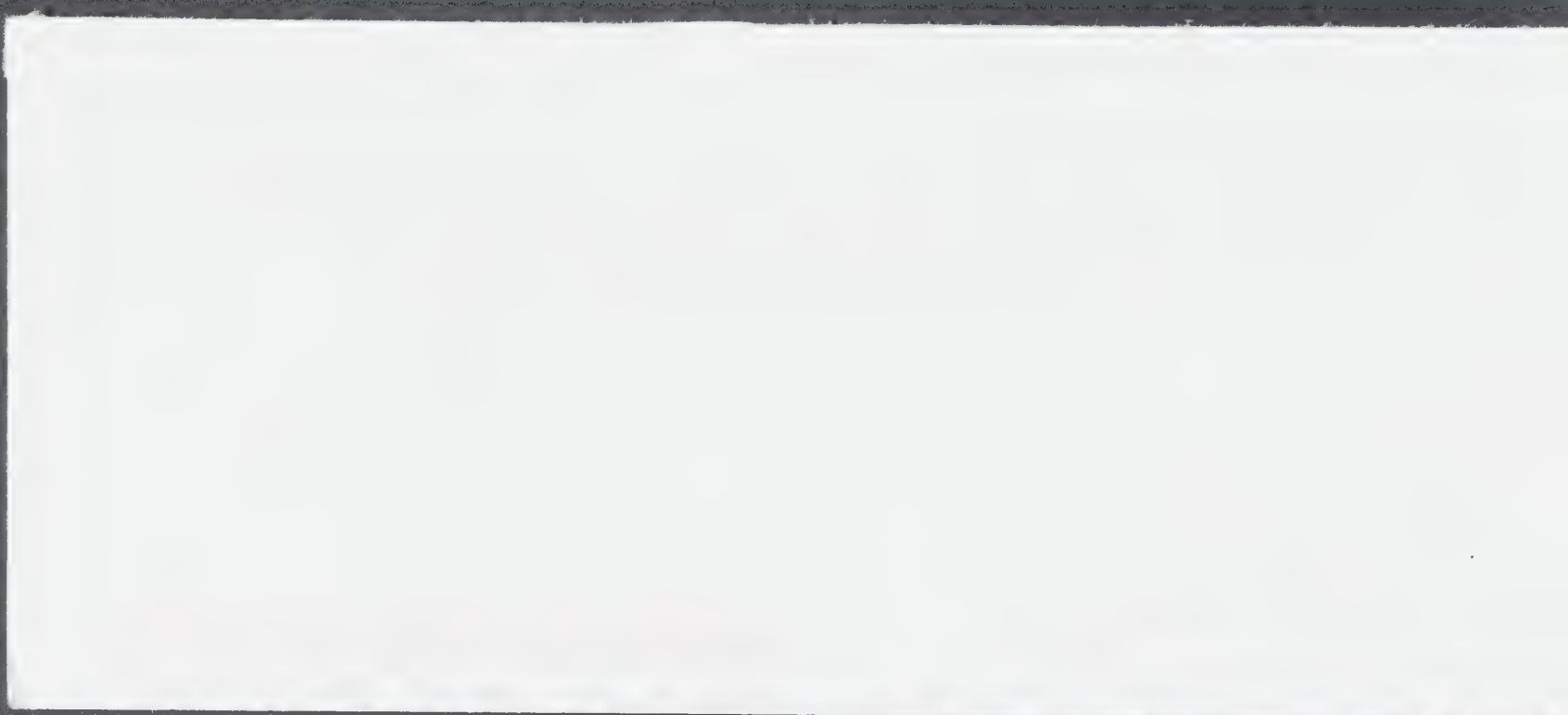
Department of History  
10900 Euclid Avenue  
Cleveland, Ohio 44106-7107



Mr. Alfred Eader  
2461 North Shepard Ave.  
Ellettsville, IN 47424

11/11/11 11:11 AM





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

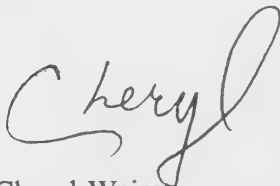
July 10, 1995

Professor Alan J. Roche  
Dept. of History  
Case Western Reserve University  
10900 Euclid Avenue  
Cleveland, OH 44106-7107

Dear Professor Roche:

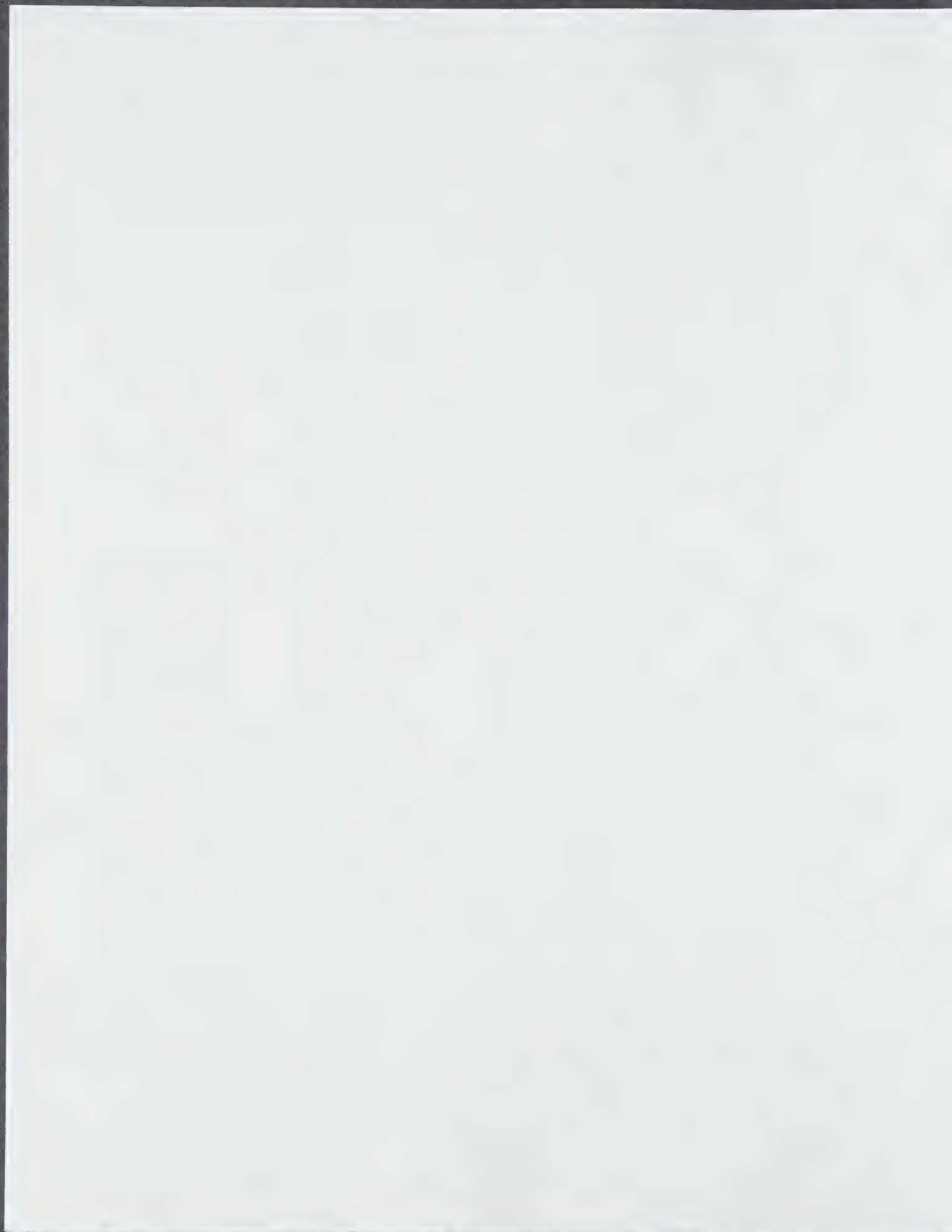
Thank you for your letter of July 5th to Dr. Bader. Since speaking at the Loschmidt Symposium, Dr. and Mrs. Bader are staying at their home in England through the end of the month. He will reply personally upon his return to Milwaukee.

Best wishes,

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

Cheryl Weiss  
Office Manager







CASE WESTERN RESERVE UNIVERSITY

5 September 1995

Dear Dr. Bader,

Thanks for your letter. I immediately sent in an order for your autobiography, which sounds very interesting indeed. I will also look forward to reading the Loschniadt papers.

I, too, much enjoy scholarly discussion & debate, and am pleased that there is no rancor on either of our parts. It is always very distressing to me when collegiality disappears!

With warm regards,  
Alan Roche

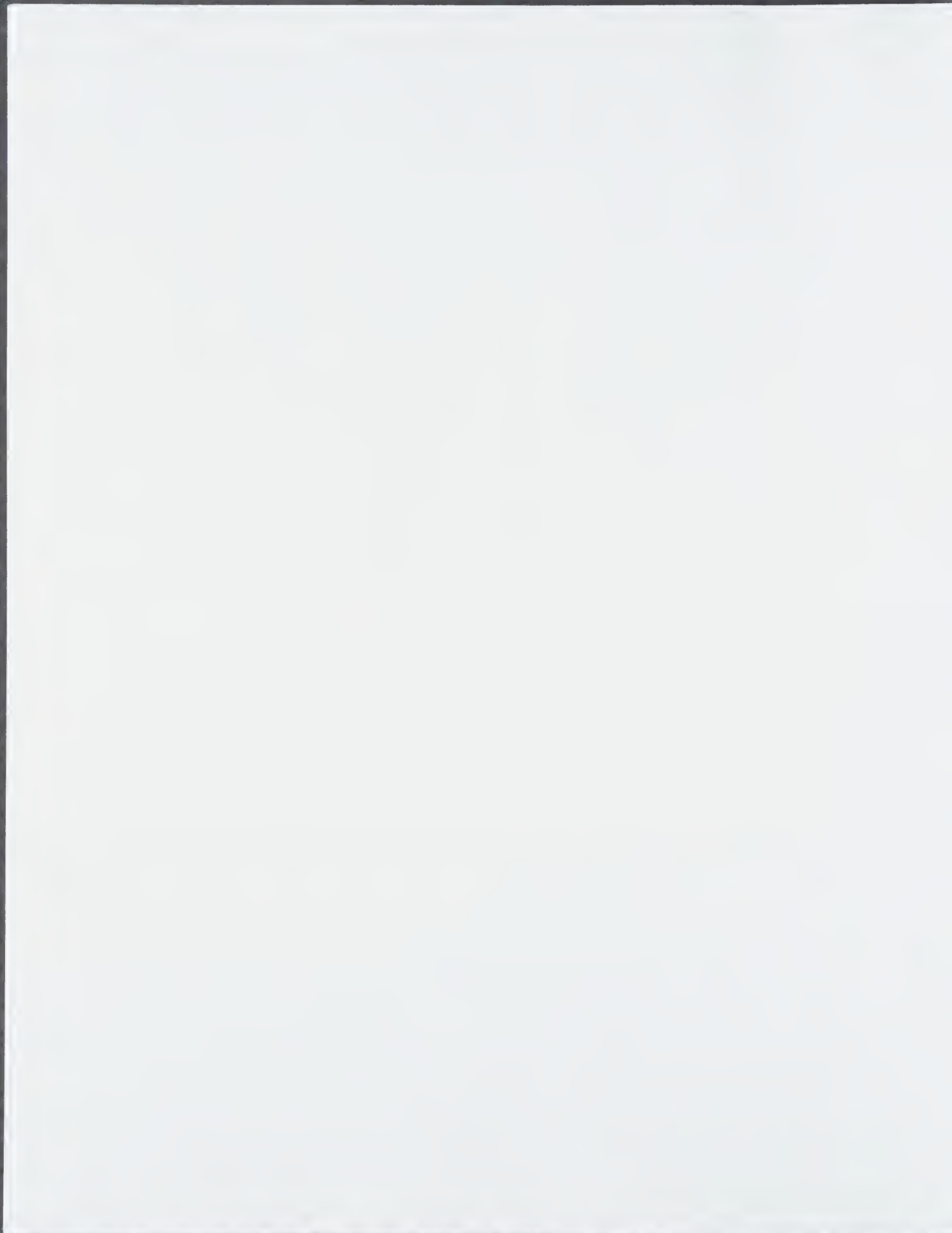
Department of History

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

*A Chemist Helping Chemists*

August 2, 1995

Professor Chaim N. Sukenik  
Department of Chemistry  
Case Western Reserve University  
10900 Euclid Avenue  
Cleveland, OH 44106-7078

Dear Chaim:

Please don't mind that a long trip to Europe has delayed my thanking you for your exciting letter of July 18th.

Bar Ilan has a fine chemistry department, and I am certain that you will do well there.

What a great pity that we didn't have a chance to meet while you were in Milwaukee, which is, indeed, a fine city with a productive Jewish community.

With all good wishes, I remain,

Yours sincerely,

AB/cw









CASE WESTERN RESERVE UNIVERSITY

July 18, 1995

Dr. Alfred Bader  
2961 N Shepard Ave  
Milwaukee, WI

Dear Dr. Bader;

I hope this letter finds you in good health.

I had hoped to be able to talk to you in person, but, for now, this will have to suffice. I had tried to visit you when my family and I were in Milwaukee last month. We spent the weekend of June 9-11 as visitors at my son Dovid's Yeshiva High School (WITS, on Lake Drive) and had the pleasure of participating in the festivities in honor of his graduation. We are very proud of Dovid and his accomplishments and continue to be most impressed with the Yeshiva, it's student body, and its staff. We are grateful for the effort they invested in our son and were pleased to share this feeling with the extended family of the Yeshiva and with the Milwaukee Jewish community. As a member of that community you have a lot to be proud of in the quality of that school and its products.

Besides wanting to just see you and say hello during that Milwaukee visit (when I called I was informed that you were out of town), I wanted to share with you an exciting personal development. My family and I are moving to Israel. Over the 12 years since you and I first met (around the time of the birth of my youngest son, Shraga), my family and I have spent two sabbaticals in Israel and have developed a real love of the land and a desire to live there. I have now been offered a position on the Chemistry faculty at Bar Ilan University and while I am formally on leave from Case Western for the coming year, we are hopeful that this move to Bar Ilan will be a long-term, permanent, Aliyah. I am sure that you understand our enthusiasm for this move and hope that you will wish us well as we embark on this new phase of our lives. Knowing your feelings towards Israel, I am sure you will share in my excitement at the prospect of becoming a productive member of Israeli society and of its scientific community. I hope that there will be opportunities for us to get together when you are in Israel in the future.

I look forward to our continuing to be in touch. Best wishes,

Sincerely,

Chaim N. Sukenik  
Professor of Chemistry  
and of Materials Science  
and Engineering

Department of Chemistry

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