

Alfred Baber Fonds

Travel Series

California

1978-1994

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— Leibe Chase ~  
(THE DUVECK MAN)

MR. ROBERT NEUHAUS

1766 STANLEY DOLLAR DRIVE #3B

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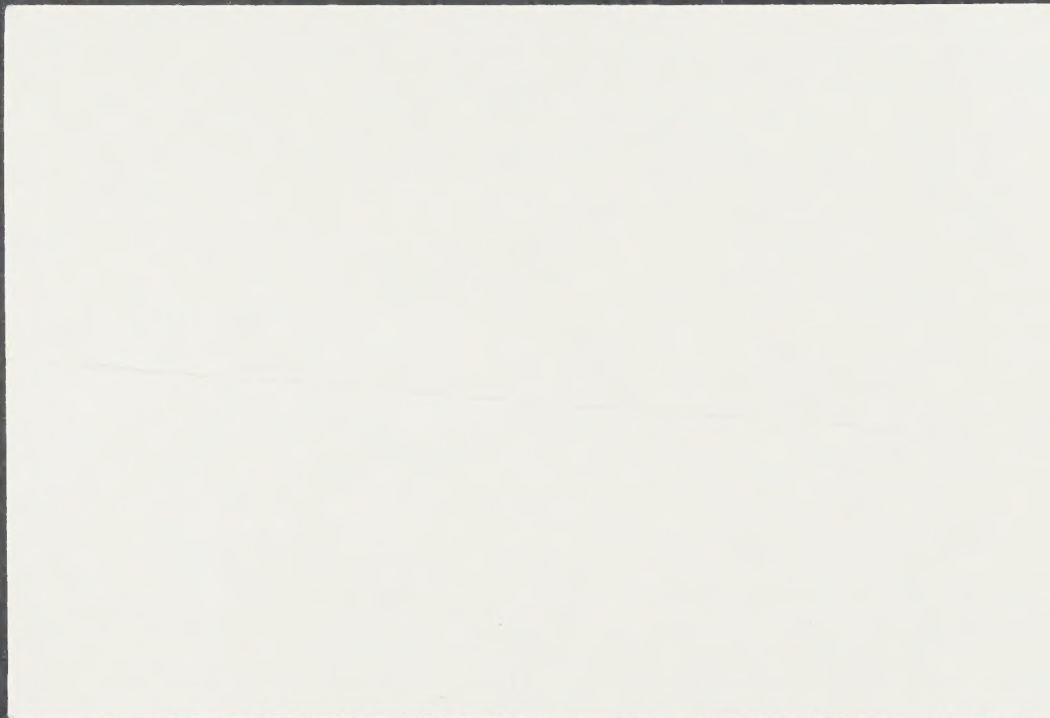
415-944-1891

Foggy Markburg

Ph 1) Leibe

is not available ~

cell not am





ALFRED BADER FINE ARTS

DR. ALFRED BADER

ESTABLISHED 1961

May 9, 1994

Mr. Rudolph S. Joseph  
1081 East Mountain Drive  
Santa Barbara, California 93108

Dear Mr. Joseph:

Thank you so much for your letter of April 26th. I have not yet received your book and very much look forward to it.

My restorer, Charles Munch, in whom I have great confidence, looked at your landscape. He believes as I do that the landscape and the figures are pleasant and either very late 18th or early 19th century. That lollipop tree has been poorly restored, and he doesn't really think that the quality of the painting justifies cost of restoration. There are a number of alternatives:

- (1) I return the painting to you, carefully packed. We will do this immediately upon your request.
- (2) I send the painting to the Arcade Auction of Sotheby's in New York. They give me good terms, and I would send the entire sum received from Sotheby's to you immediately. However, I doubt that they would allow a high, or possibly any reserve.
- (3) I keep the painting here on consignment if you apprise me of a really low figure with which you would be satisfied.

Please don't shoot the messenger.

I have always liked the works of Bencovich. Could you send me a photograph of the north Italian painting you have?

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



Mr. Rudolph S. Joseph  
May 9, 1994  
Page Two

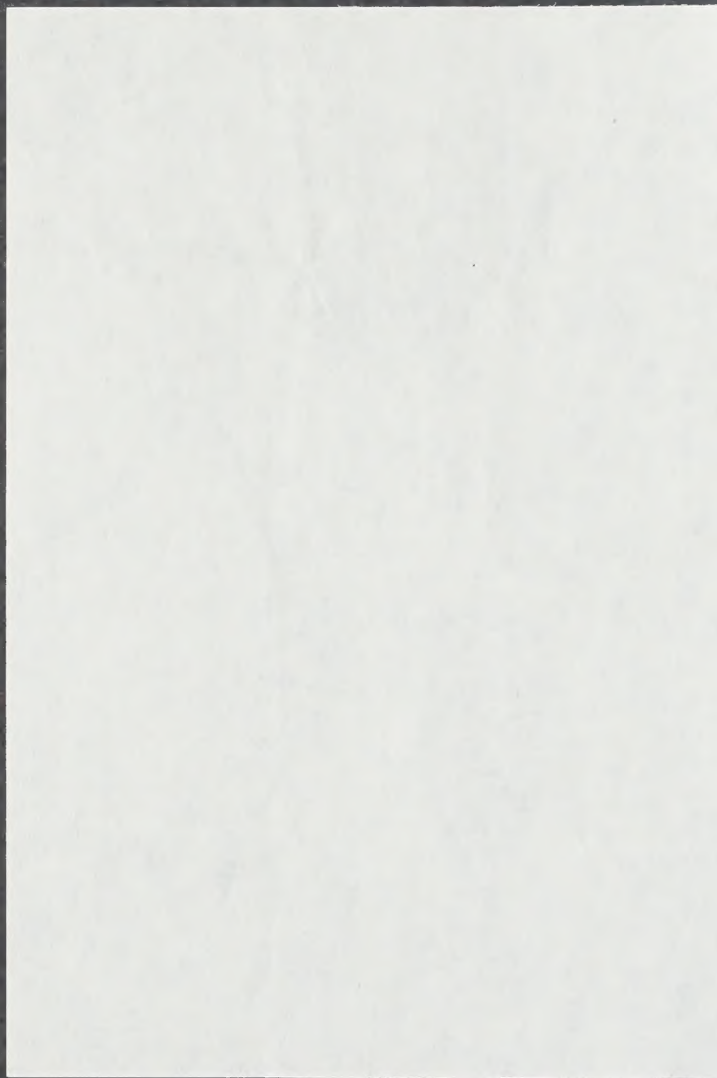
Isabel and I certainly plan to be in California next spring, and we look forward to meeting you personally.

Best regards,

Walter Laelme  
La Cienega Blvd.  
Los Angeles

J. Galayne:

excellent  
LA dealer,  
in his 40's.

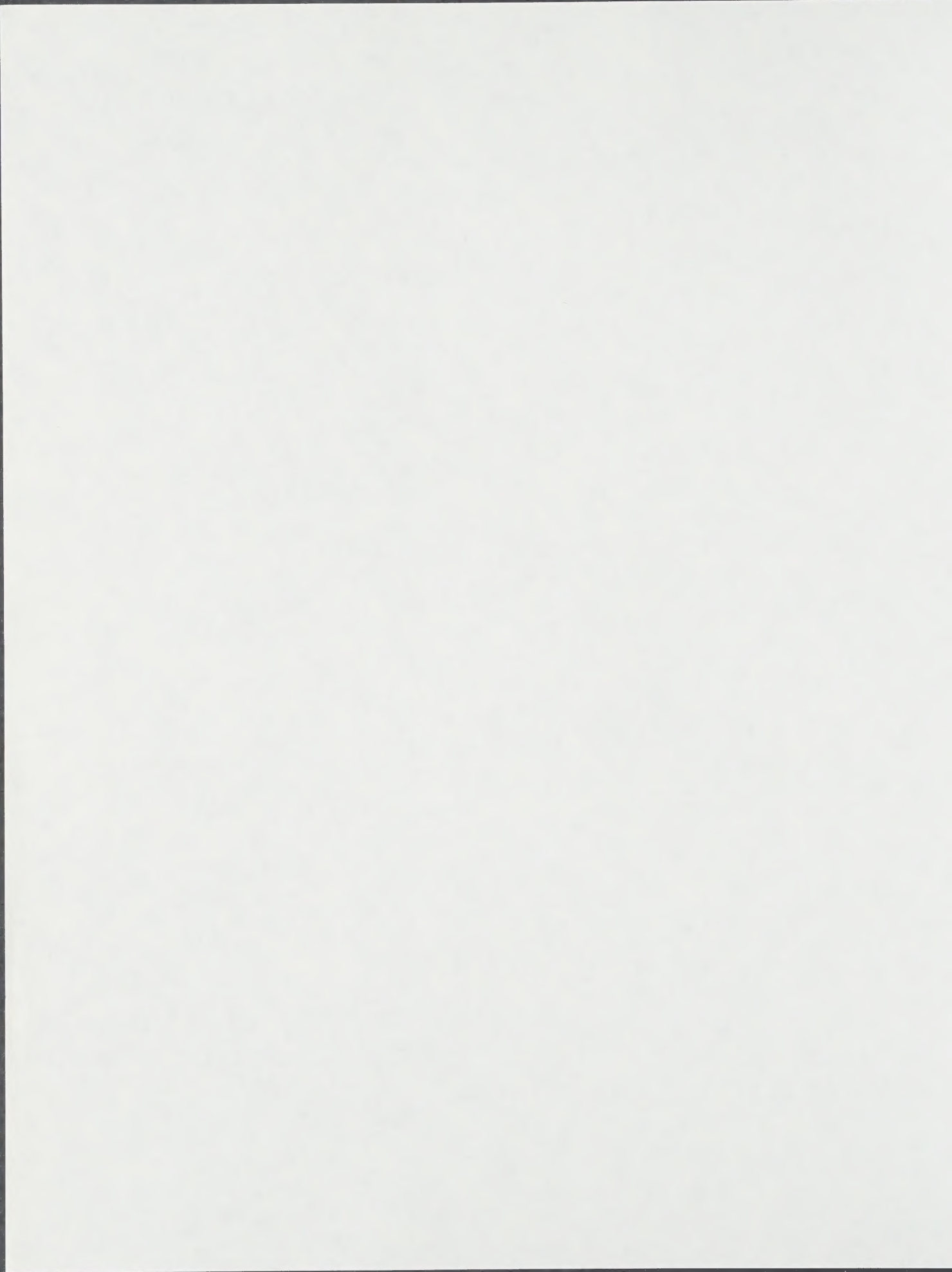




CORNELL NORBY

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3416 VIA OPORTO, SUITE 201  
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(714) 675-5339  
FAX: (714) 675-5017





## ALFRED BADER FINE ARTS

DR. ALFRED BADER

ESTABLISHED 1961

April 19, 1994

Mr. Rudolph S. Joseph  
1081 East Mountain Drive  
Santa Barbara, California 93108

Dear Mr. Joseph:

Talking to you by phone yesterday was as much fun as writing to you. I already look forward to meeting you personally when I visit California next spring.

As promised, please find enclosed the three photographs of your French sketch. Perhaps I will like it better when I see the original, and perhaps you have some other works which you do not value very highly, but which, knowing your good taste, might be of interest.

Thank you for suggesting that you send me the Italian landscape. The figures really look close to Ricci, but I have never seen any such tree looking like a giant lollipop in an 18th century painting. If I just saw the figures, I would say that they must be late 18th century. But, of course, the tree may have been greatly altered in a clumsy restoration. The best restorer I know will be visiting me from where he works, near Madison, in the first week of May. I will then ask him to examine it carefully, and I will let you know exactly what he thinks.

I can conceive of several possibilities:

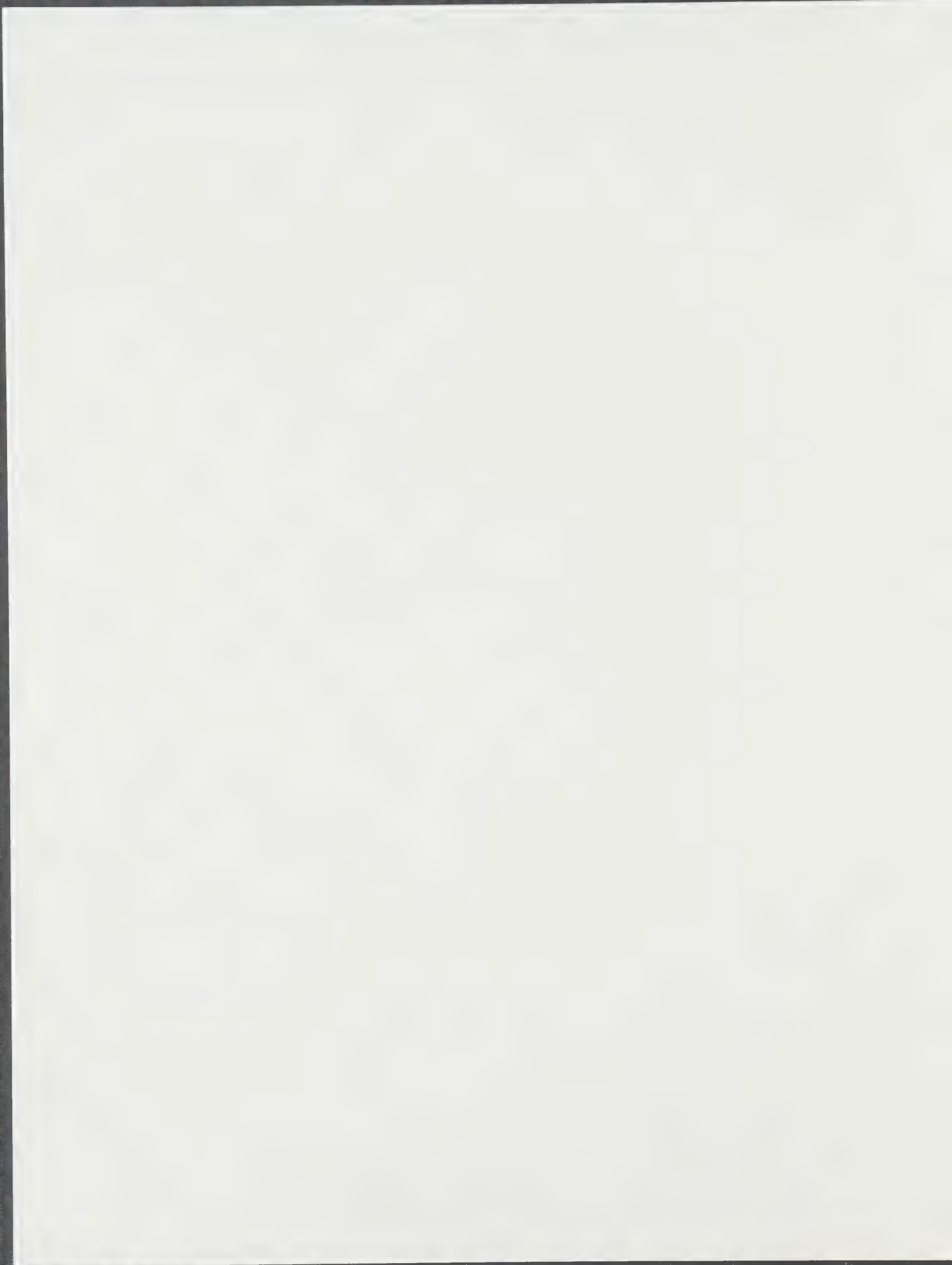
- (1) That you sell it to me outright, but I doubt that I would gamble and pay as much as \$10,000 for it. But let's wait until I see the original.
- (2) That you leave me the painting on consignment at a reasonable cost set by you, and that I try to sell the painting and keep a modest commission, say, 10%.
- (3) That I return the painting to you in May.

All good wishes.

Sincerely,

Enclosures

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



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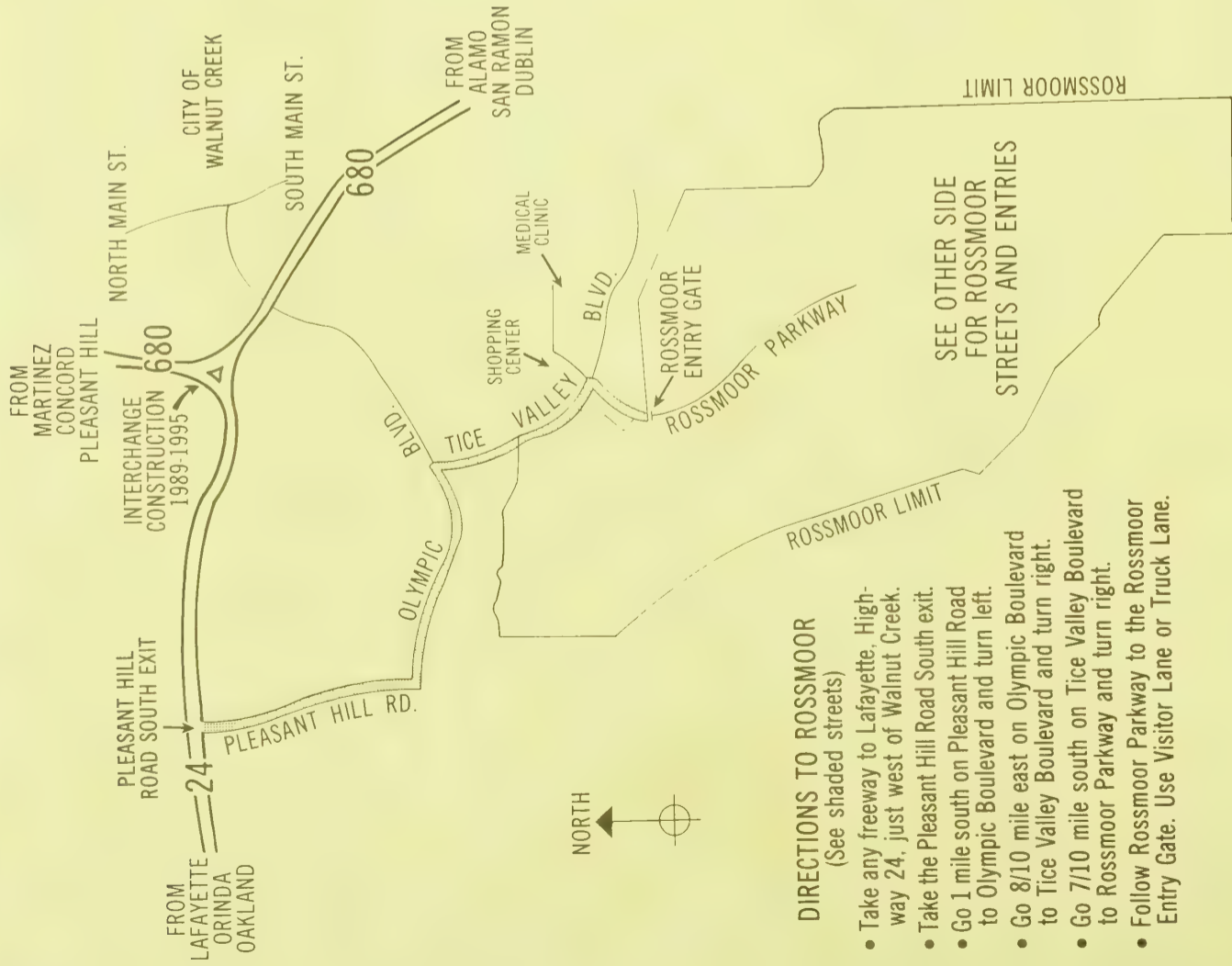
PLEASE PARK IN DESIGNATED GUEST PARKING SPACES.

CLUBHOUSE SALES RESIDENT \_\_\_\_\_

GOLF COURSE OFFICES OTHER \_\_\_\_\_

DATE \_\_\_\_\_

ISSUED BY \_\_\_\_\_



TELEPHONE CONVERSATION SUMMARY

Aldrich Chemical Company, Inc.

TO:

AB

DATE:

1-22-42

Aldrich employee placing receiving call

011-National

Person called calling

Mrs. Eis - Treasurer

Title

Company name and address:

445 (510) 622 (500)

Telephone number:

5401 Belgrave Pl.

Message: (use back or additional sheets)

O. 94618

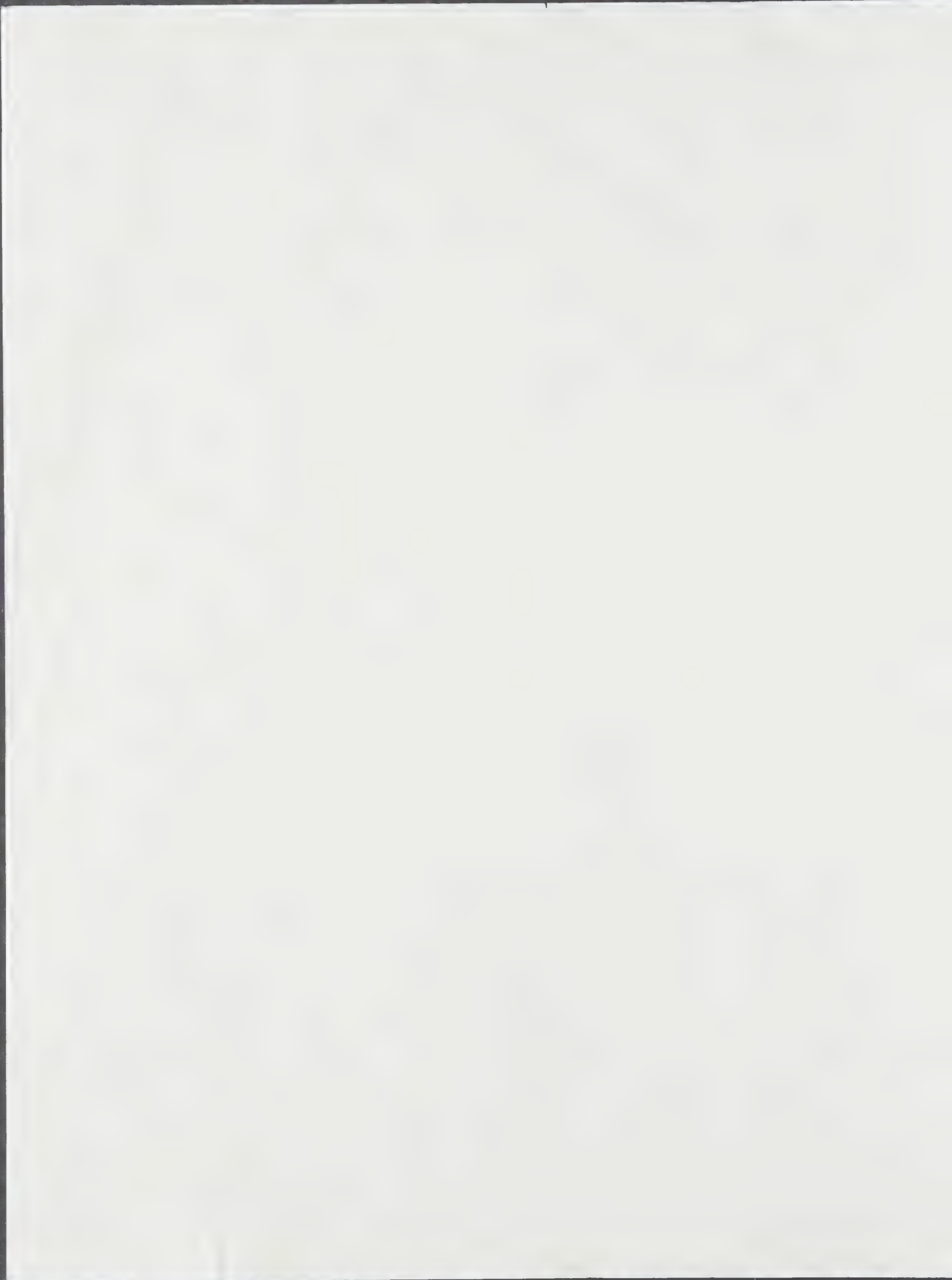
Call in morning 1-0.30 hr

arrange to meet

Hayward  
E  
Hwy 24 on right  
Broadway exit  
right  
down B.

Follow Up: (indicate action and use back or additional sheets)

2nd light  
left lane  
left  
NADA





Mr. Bronson Tufts  
620 Western Avenue - 213 Western  
Petaluma, CA 94952  
707-763-7603 home

Ship 707-763-4541



JP

# JOHN SINGER SARGENT CATALOGUE RAISONNÉ

RICHARD ORMOND

57 PARK AVENUE SOUTH  
NORTHAMPTON NN3 3AB  
ENGLAND

ELAINE KILMURRAY

TEL: 0604 36496 FAX: 0604 26337

Dr. Alfred Bader  
Alfred Bader Fine Arts  
Suite 622  
Astor Hotel  
924 East Junlau Avenue  
Milwaukee  
WI 53202  
USA

March 4th, 1994

Dear Dr. Bader,

I work on a catalogue raisonné of Sargent's paintings and I am, at present, trying to trace his portrait of Sylvia Harrison, of which I enclose a rather poor photocopy. I have in my files, a note that you might have seen the picture in the early 1970s, when it appears to have been called (erroneously) "Lady Cavendish".

If you have an clues as to the picture's whereabouts or any leads that I might usefully follow, I would be enormously grateful. Of course, any information would be treated quite confidentially.

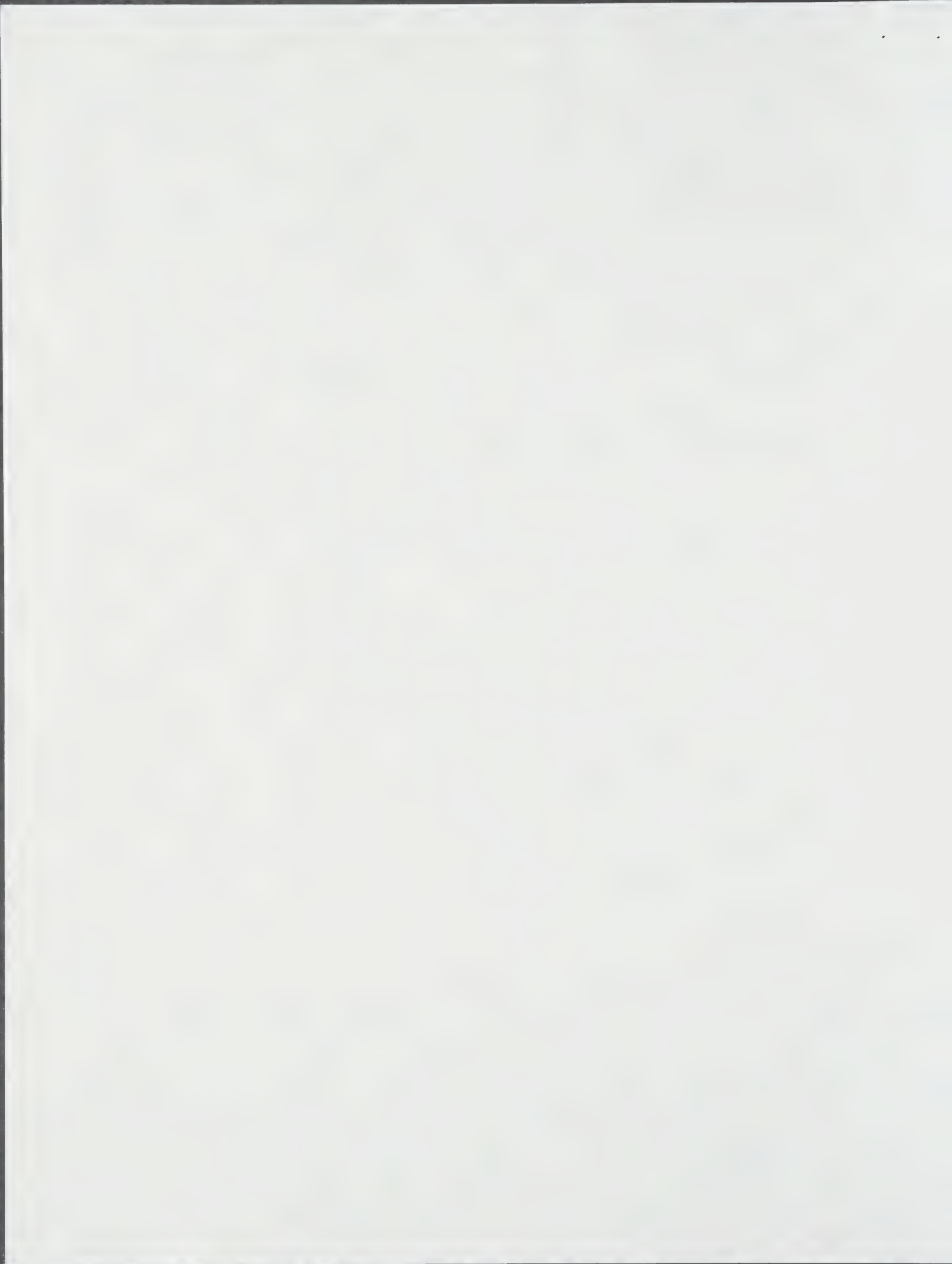
I look forward to hearing from you. This sort of research sometimes makes one feel like a detective!

Yours sincerely,

*Elaine Kilmurray*

Elaine Kilmurray

*Enclosed photocopy of "Sylvia Harrison" catalogue entry.  
John S. Sargent - draft*



Sylvia Harrison, 1913

Oil on canvas, 58 x 33 (147.3 x 83.8)

Collection: Untraced

Sylvia Harrison was the daughter of Sargent's close friends, L.A. "Peter" Harrison and his wife, Alma (née Strettell).

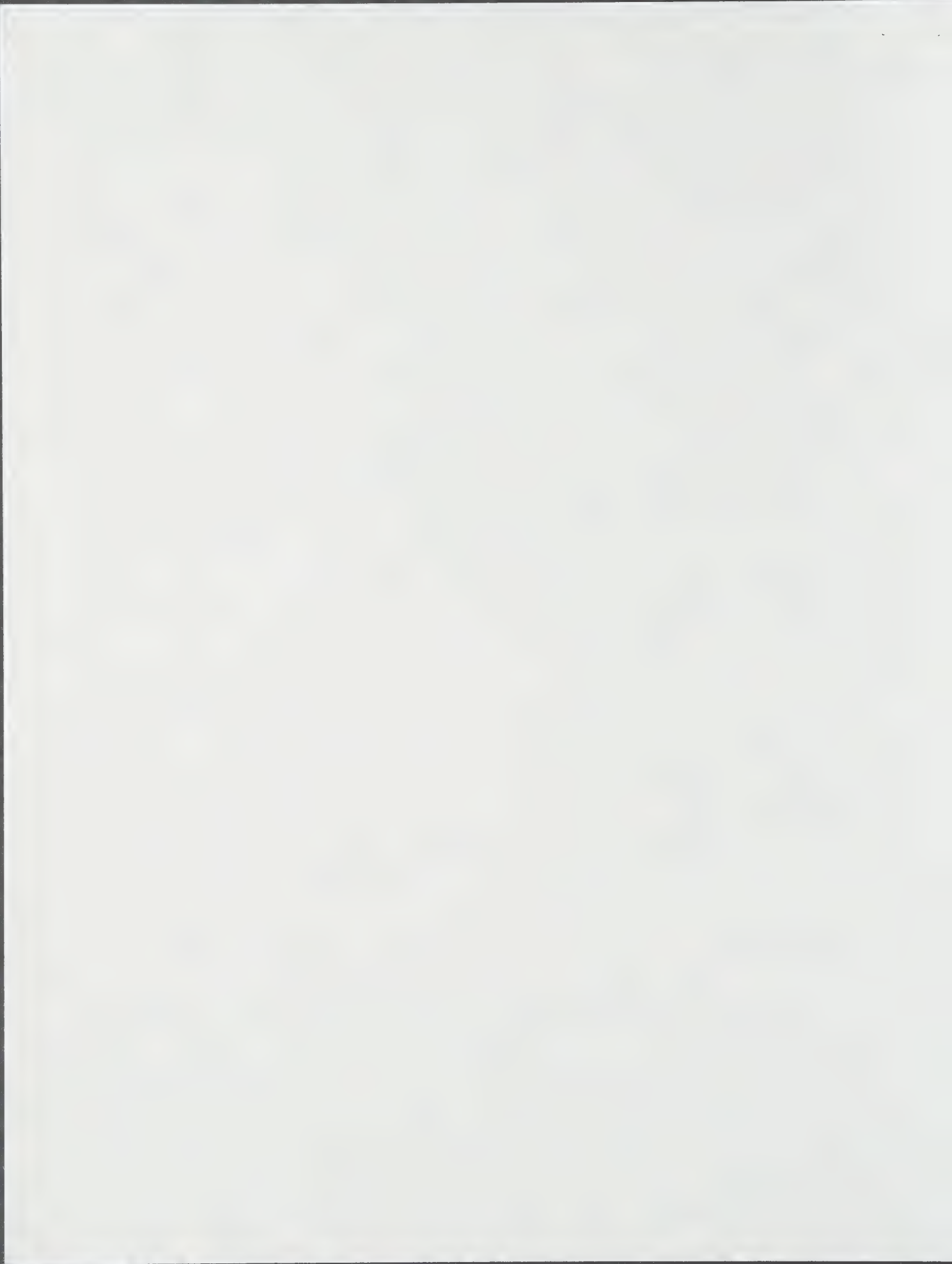
Sylvia is wearing the cashmere shawl which Sargent used as a decorative device in a number of his Alpine figure studies, and as an accessory in several formal portraits. In a letter to McKibbin (April 16, no year date), Sylvia wrote: "The shawl in which I was painted was kept in Sargent's studio, & I think he painted quite a number of people in it, but apart from Rose-Marie, his niece, I don't know who they were" (McKibbin archive).

The portrait was in the possession of the Harrison family until 1947, when it was sold at Christie's, London, to an unknown buyer

Provenance: L.A. Harrison to 1937; his son, the sitter's brother, Nicholas Harrison; sold via Christie's, London, 1947.

Exhibitions: The portrait does not appear to have been exhibited.

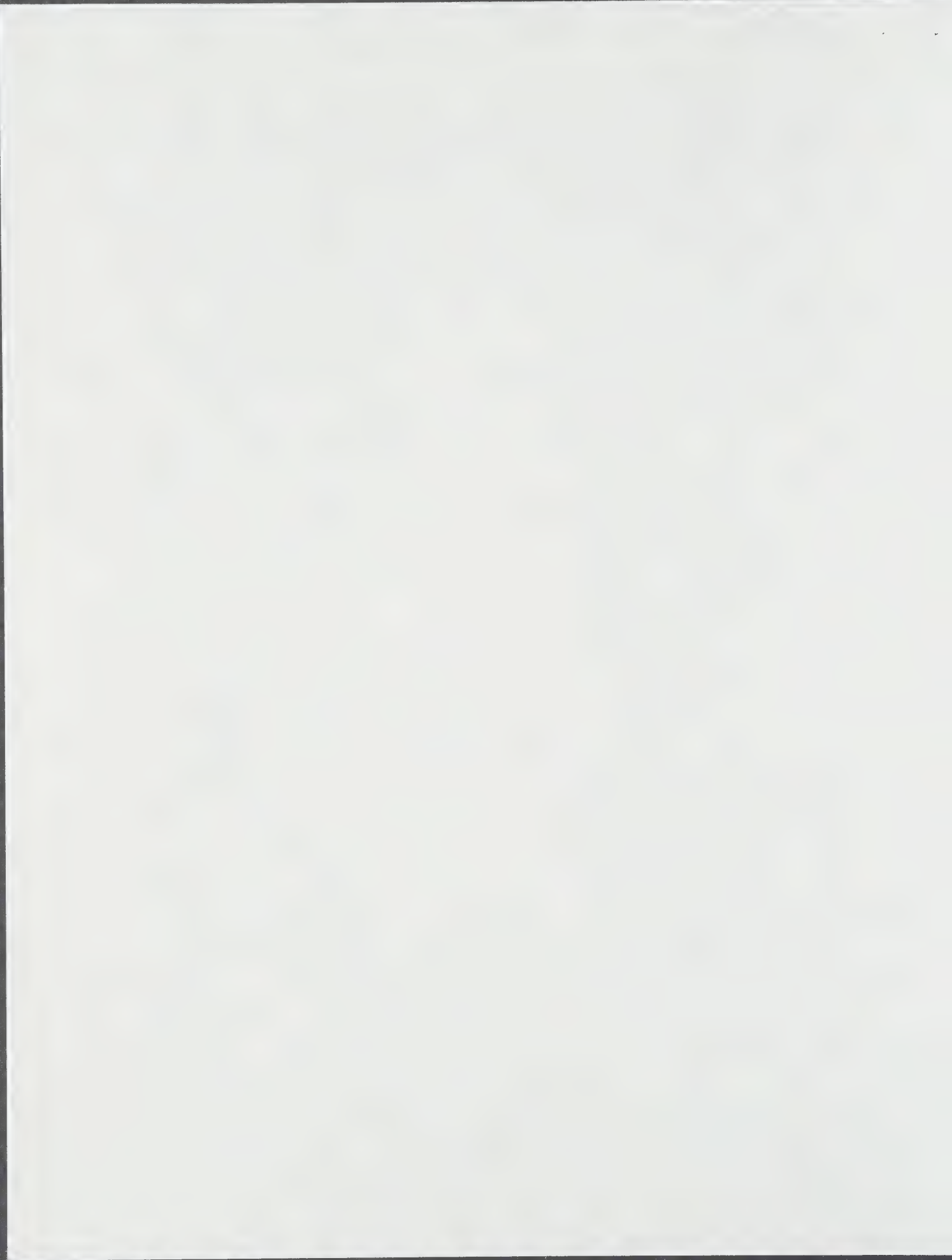
Literature: Eve Adam, ed. Mrs J. Comyns Carr's Reminiscences. London: Hutchinson & Co., 1926, ill. facing p. 301; McKibbin 1956, p.101; Mount 1957, p. 349 (133); 1969 rpt., p. 441.





SYLVIA HARRISON

65  
JOHN S. SARGENT.







ALFRED BADER FINE ARTS

DR. ALFRED BADER

ESTABLISHED 1961  
March 25, 1994

Mr. Rudolph S. Joseph  
1081 East Mountain Drive  
Santa Barbara, California 93108

Dear Mr. Joseph:

Your most interesting letter of March 17th reminded me of our meeting in London some years ago. If memory serves me, your childhood, like mine, was spent in central Europe, yours, I believe, in Germany and mine in Vienna, and I admired you particularly for your knowledge of drawings.

Please stop thinking about being almost 90. Our ancestors would have put it quite differently: until 120, you are almost 90. In the morning, I myself feel that until 120 I am a youngster of 70, but by late evening, I am often so tired that I feel much older. This doesn't stop me from looking for fine paintings.

Both works of which you sent me photographs look really intriguing, and there is no question in my mind that both are period works. But you know how much it takes to establish a sketch like yours really to be by Fragonard and not from his immediate circle. Like you, I found Pierre Rosenberg often so non-committal. It is so much easier to say that a work is not at all bad than saying that yes indeed this is a lovely sketch by Fragonard. Don't let this get you down.

The key question is what you would really like for these two paintings. Please do let me know and also send me your telephone number and then we can talk.

Unfortunately, I have no plans to visit California until next March.

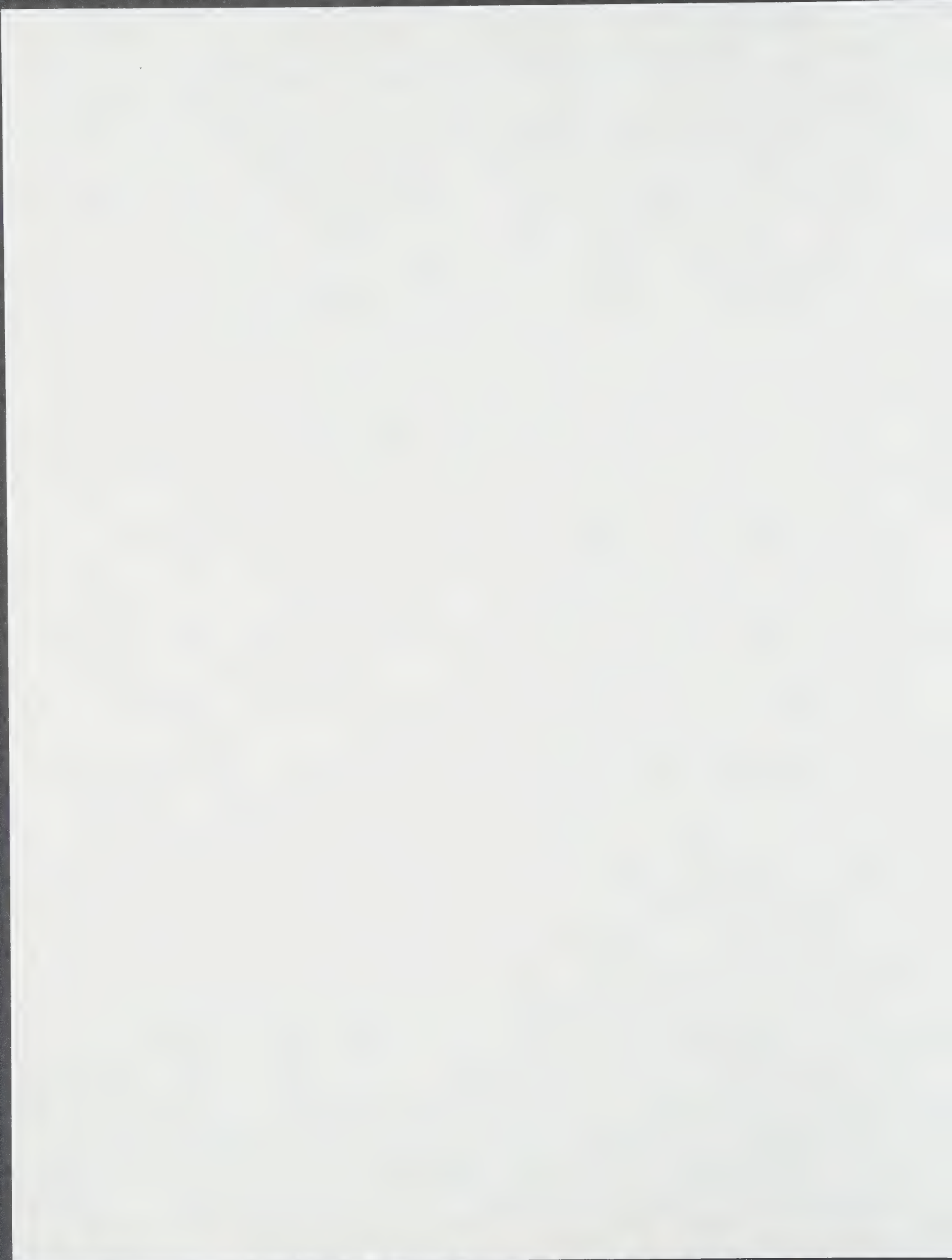
You don't per chance also have some Dutch paintings of the 17th century, about which I know a good deal more than French or Italian works.

Needless to say, I will return the photographs if I do not purchase the paintings.

All good wishes, to 120.

Sincerely,

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





## ALFRED BADER FINE ARTS

DR. ALFRED BADER

ESTABLISHED 1961

September 20, 1993

Mr. Nicholas Fairrie  
Fine Art Appraiser  
2001 California Street, No.305  
San Francisco, California 94109

Dear Mr. Fairrie:

In response to your interesting letter of September 14th, I understand why Professor Haverkamp-Begemann thought of Paulus de Lesire. There are indeed some early works by Paulus de Lesire which are not unlike this canvas. As you perhaps know, until some years ago, de Lesire was thought of only as a very competent portraitist, but recently a number of biblical paintings have appeared. Some are illustrated in Professor Sumowski's work, and some more will be illustrated in the last volume, VI in that series.

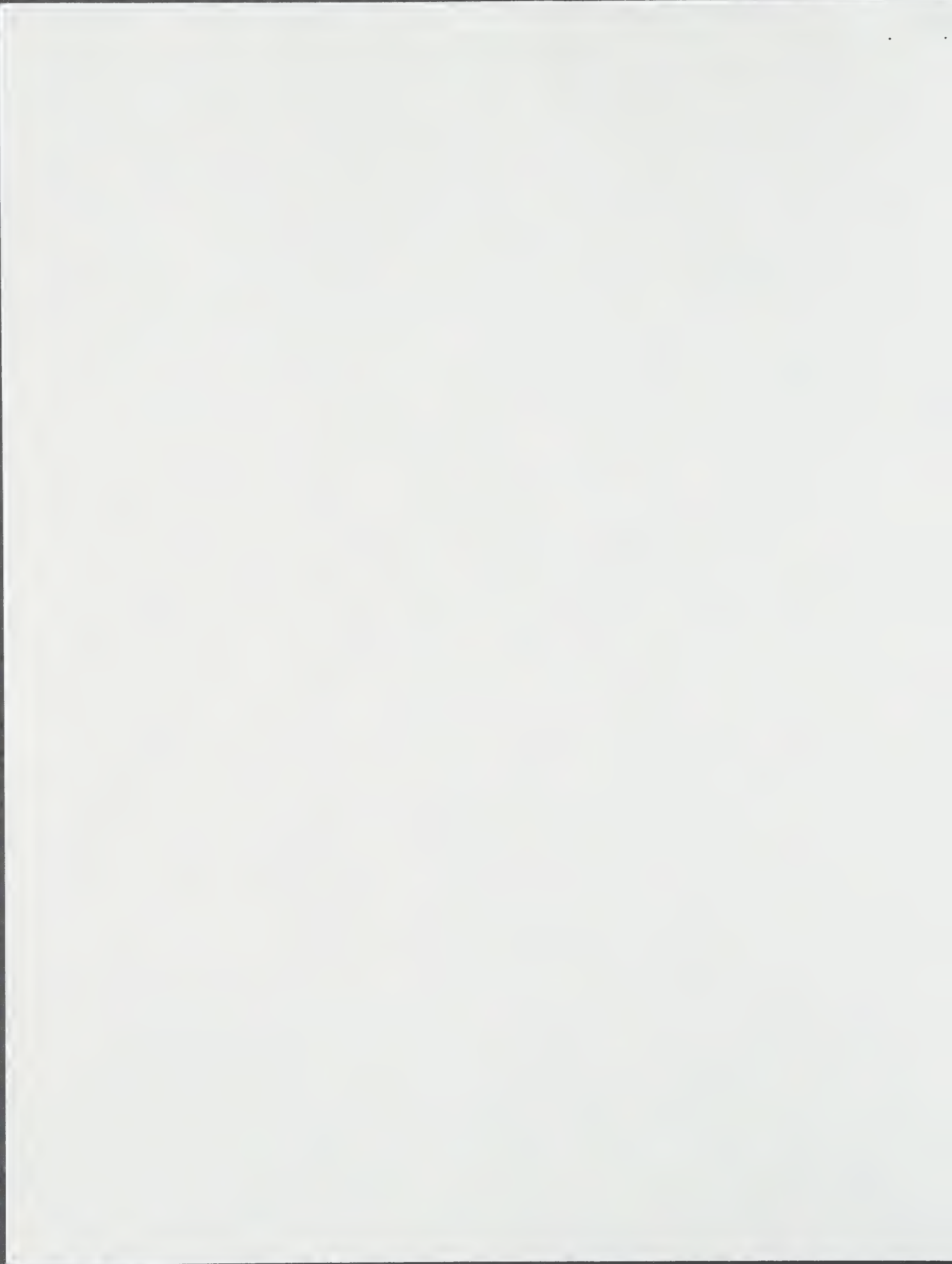
Would it perhaps be possible for you to send me a good black and white photograph?

I am sure that you and I are much in the same position: we are often asked to advise about such paintings. There are three possibilities, at least:

1. Send the painting to Christie's or Sotheby's in New York and hope for the best. My gut feeling is that it would bring somewhere between \$10,000 and \$20,000, and at the lower end I might well bid myself, after inspecting the original.
2. Sell it to a dealer, like me.
3. Go to the considerable expense of having the overpaint removed and the painting carefully restored. As you know, overpaint was usually applied for a good reason, namely, substantial paint losses underneath. But that is not always the case.

I suspect that I am carrying coals to Newcastle and that you know all this, but I would indeed be grateful for a good black and white photograph, after which I might be able to tell you a little more.

*By Appointment Only*  
ASLOR HOTEL, SUITE 622  
124 EAST JUNEAU AVENUE  
MILWAUKEE WISCONSIN USA 53202  
TEL 414 277-0730 FAX 414 277-0709



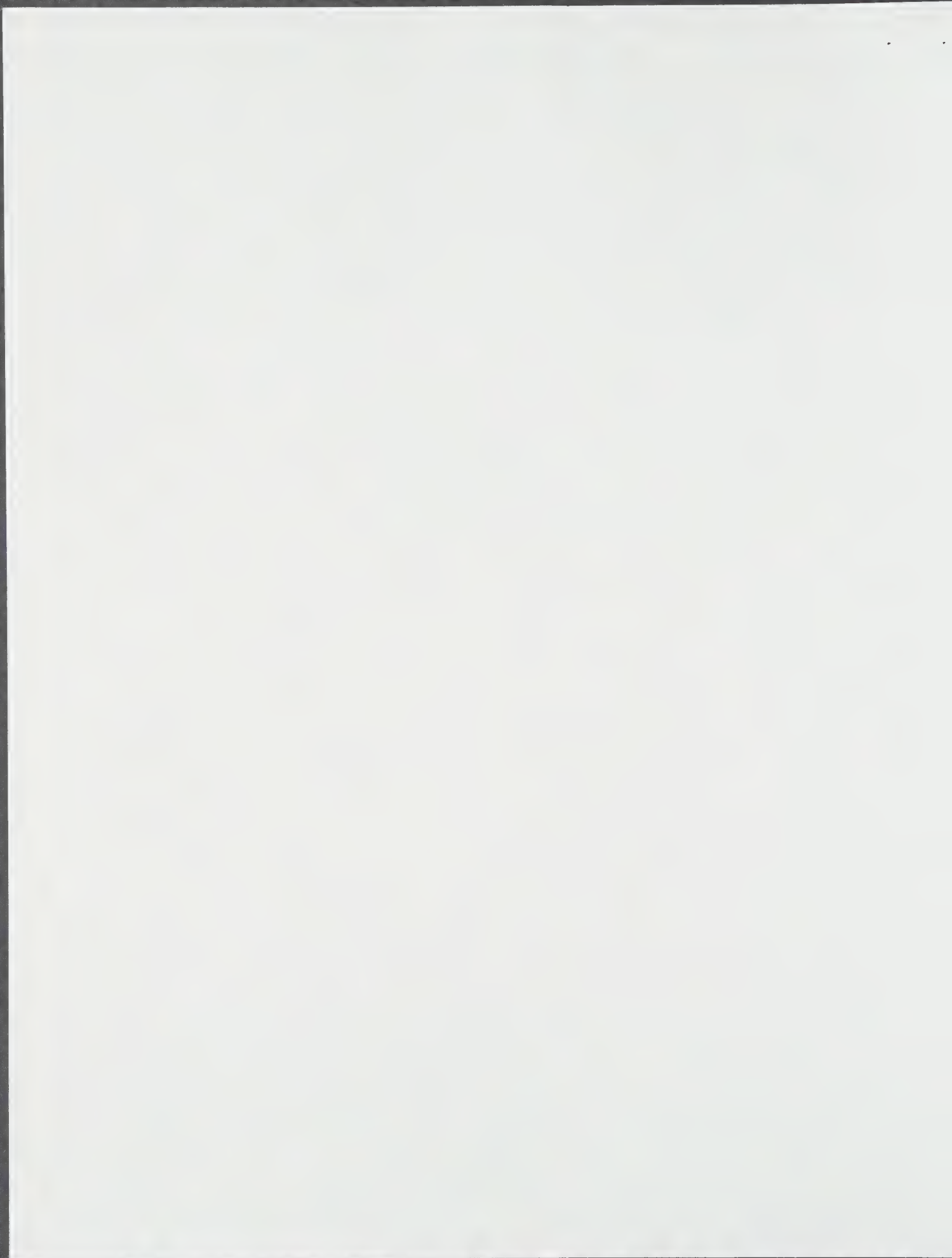


Mr. Nicholas Fairrie  
September 20, 1993  
Page Two

Incidentally please do think of me when good, anonymous Rembrandt school paintings come your way for sale. Next time I visit San Francisco I would like to meet you personally.

All good wishes.

Sincerely,



NICHOLAS FAIRRIE I.S.A.  
FINE ART APPRAISER  
2001 CALIFORNIA ST. #305  
SAN FRANCISCO, CA 94109  
TEL/FAX: (415) 441-4146/(415)441-1221

September 14, 1993

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

Dear Dr. Bader,

I am taking the liberty of sending you the enclosed transparency contingent on the advice of Professor Haverkamp-Begemann. He is of the opinion that you would be best qualified to venture an attribution for this painting, given that it reminds him of Paul Lesire, an artist that he feels you know best.

My task is to evaluate the painting for a client of mine for insurance purposes and possibly for re-sale. Obviously this task would be made considerably easier if I were able to determine the identity of the painter! It seems quite clear that the figure of Christ has been entirely overpainted at a later date. Black-lighting does not reveal any extensive recent in-painting, however - just minor touch up, mostly to the drapery, here and there.

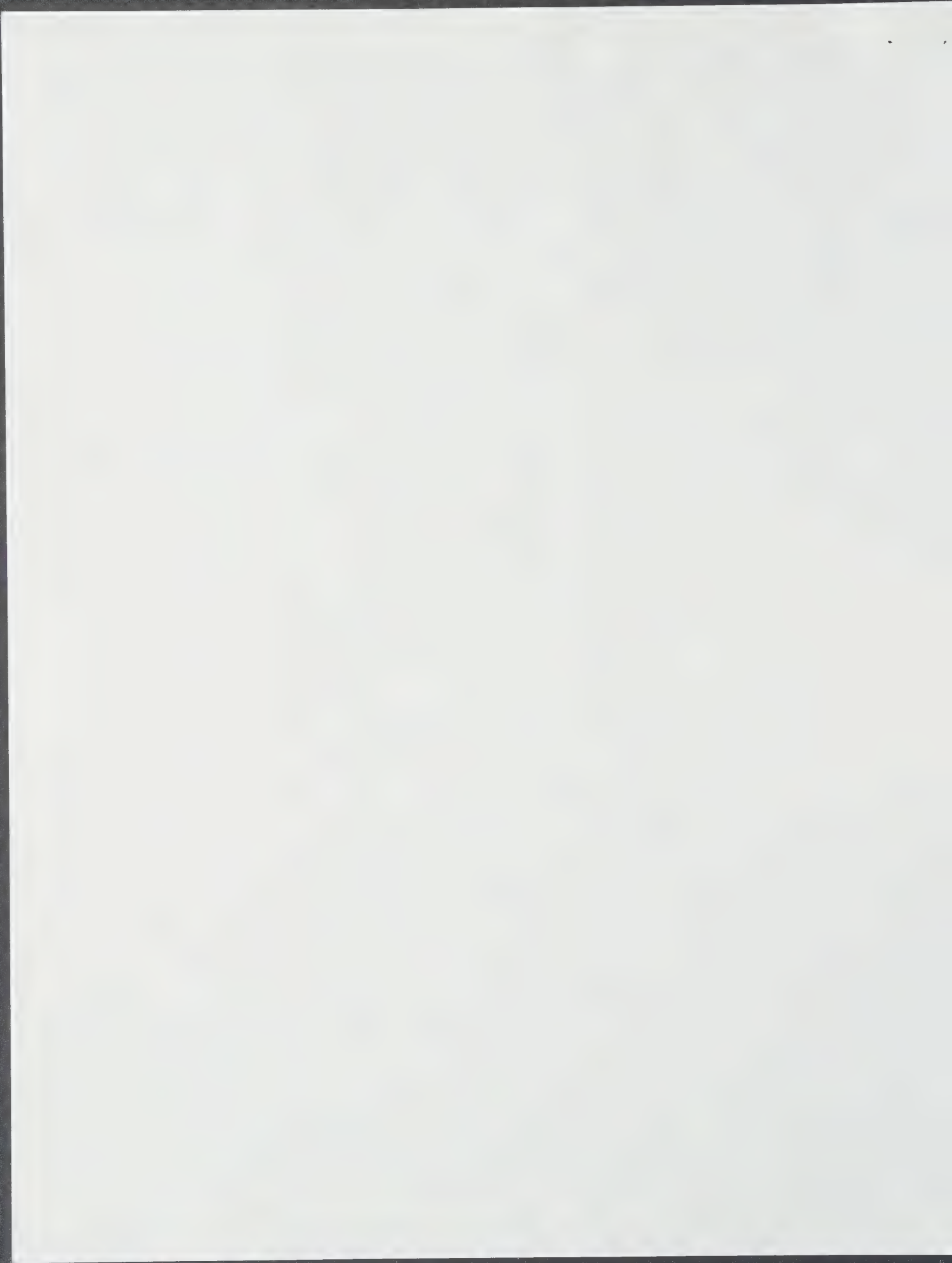
Would you be so kind as to honour me with a response expressing your thoughts on a likely attribution, whether Lesire or otherwise? I really would be most grateful to hear from you. I should, of course, mention that the canvas size is 35 1/4" x 47 1/4".

Looking forward, in anticipation, of your reply.

Yours sincerely,



Nicholas Fairrie





BRONSON TUFTS • ANTIQUES

Paintings and Antiques Bought and Sold

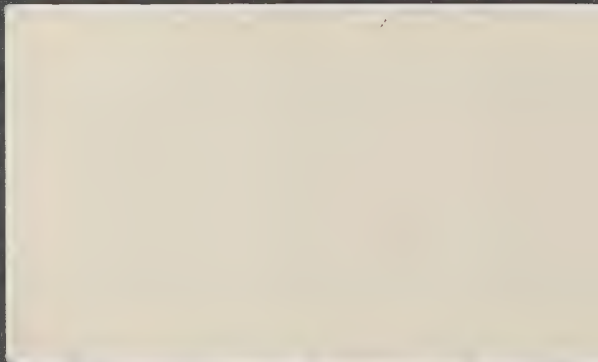
*Consignments Welcome*

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NOVATO, CA 94947

(415) 892-8065  
(707) 763-7603



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

September 2, 1992

Curator, Old Master Paintings  
San Diego Museum of Art  
1450 El Prado on Plaza de Panama  
San Diego, California 92104

Dear Sir or Madam:

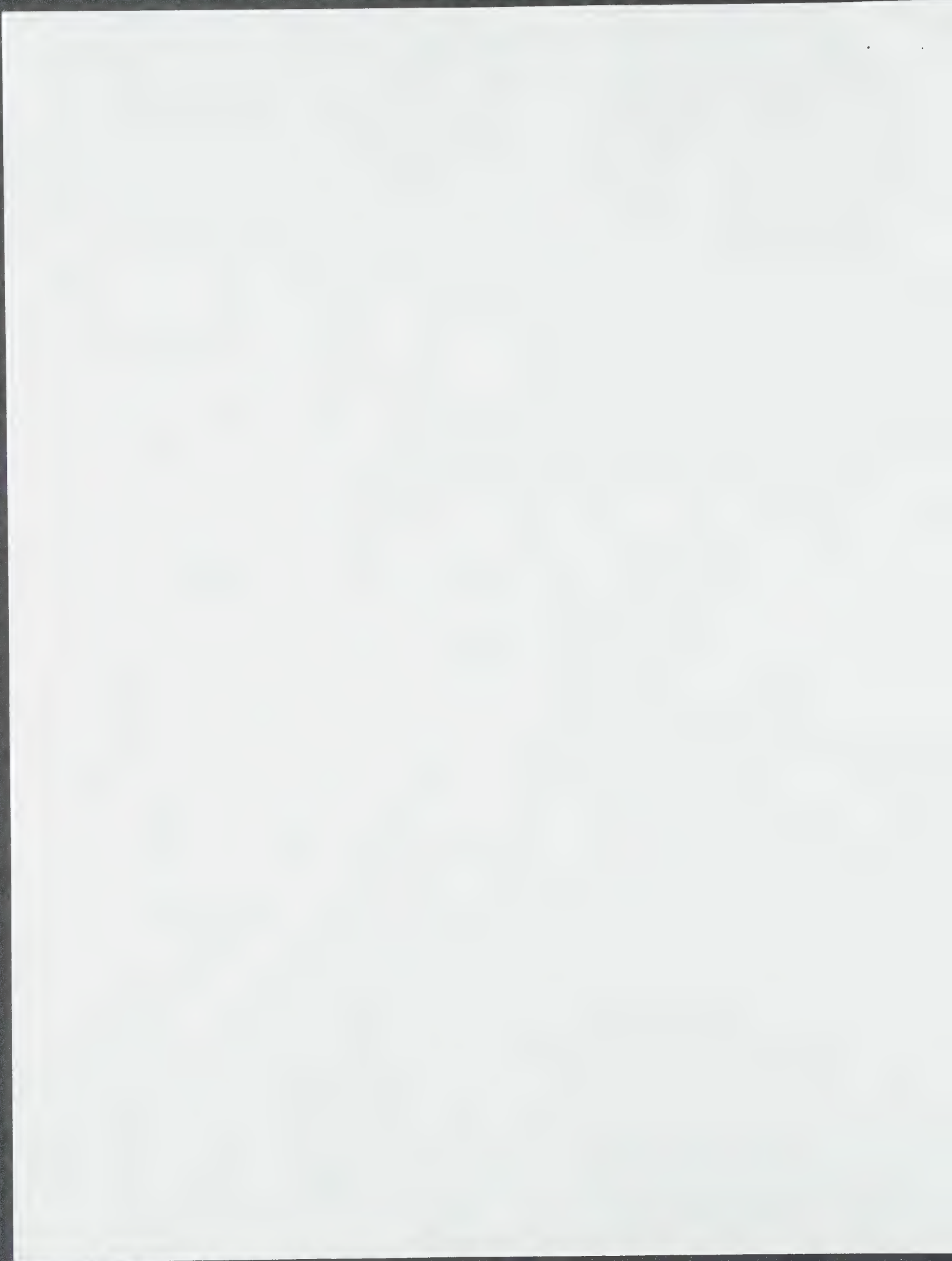
As you will see from Dr. Klawe's letter per copy enclosed, he has suggested that a painting in my collection is close to that of a painting by Jan Steen in your collection. It had never occurred to me that my painting, of which I enclose a reproduction, could be by Steen. I would appreciate it if you could send me a black and white photograph of your painting in exchange for my reproduction.

Best regards.

Sincerely,

Alfred Bader

Enclosures



**INTER-AMERICAN TROPICAL TUNA COMMISSION  
COMISION INTERAMERICANA DEL ATUN TROPICAL**

COSTA RICA - FRANCE - JAPAN - NICARAGUA - PANAMA - UNITED STATES OF AMERICA - VANUATU

Scripps Institution of Oceanography, 8604 La Jolla Shores Drive, La Jolla, CA 92037, U.S.A.

Tel: (619) 546 7100 - Fax: (619) 546 7133 - Telex: 697115 - Director: James Joseph

May 26, 1992

Aldrich Chemical Company, Inc.  
1001 West Saint Paul Avenue  
Milwaukee, Wisconsin 53233

Dear Aldrich People:

I always admire the paintings which adorn your catalogue.

The facial features of the girl on cover of the recent issue resemble those of a girl in a painting by Jan Steen in the San Diego Museum of Art. The canvas or panel in question depicts a girl administering medicine with a spoon to a very unwilling cat. I have not seen the painting for a few years but the resemblance of the subjects seems to me rather strong.

Sincerely,



W. L. Klawe

cc. San Diego Museum of Art  
1450 El Prado on Plaza de Panama  
San Diego, CA 92104

619 232 7951



**INTER-AMERICAN TROPICAL TUNA COMMISSION  
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Scripps Institution of Oceanography, 8604 La Jolla Shores Drive, La Jolla, CA 92037, U.S.A.

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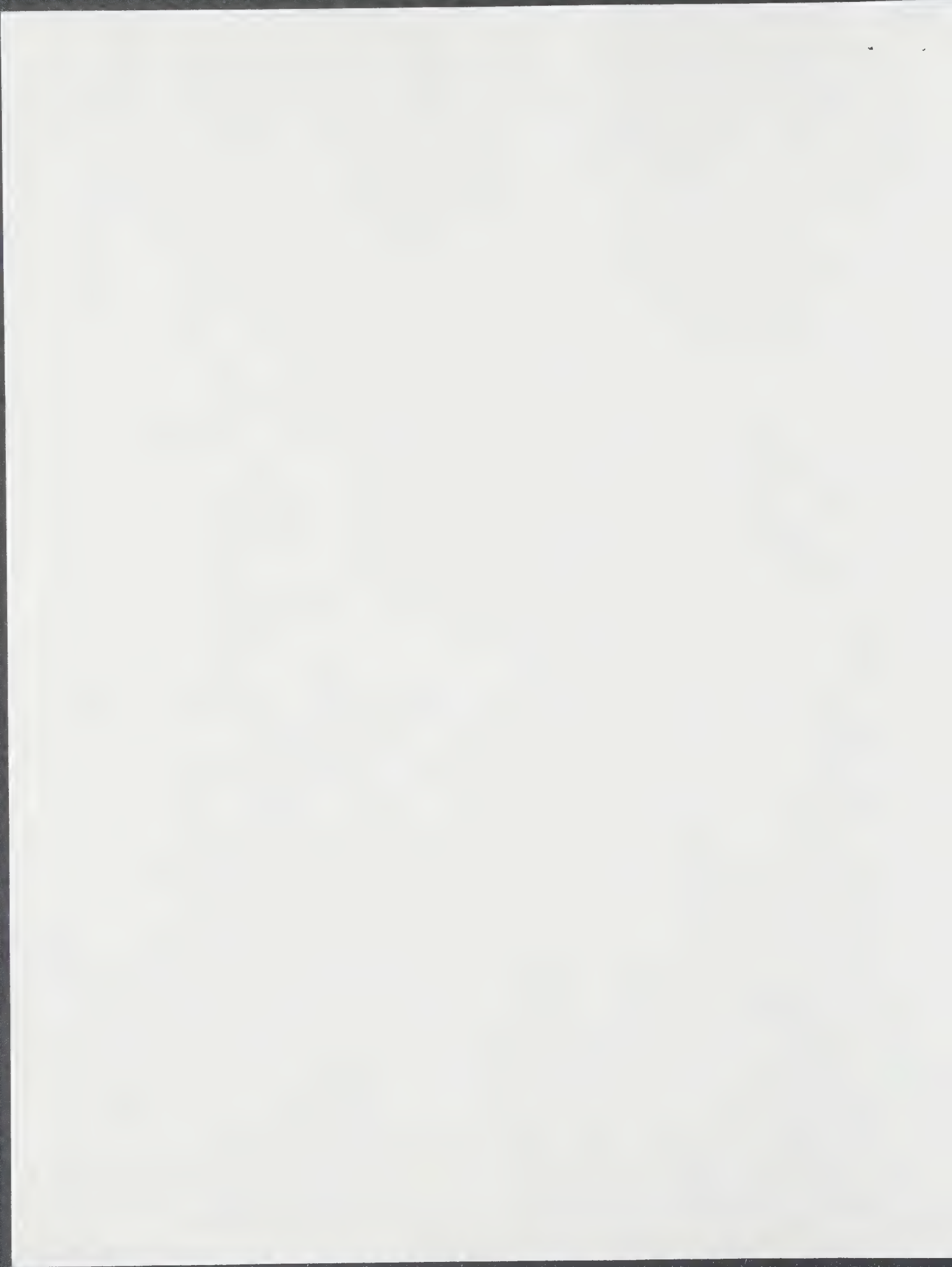
Sincerely,



W. L. Klawe

cc. San Diego Museum of Art  
1450 El Prado on Plaza de Panama  
San Diego, CA 92104

619 232 7951





# DIMENSIONS

VOLUME 15, NUMBER 3, JANUARY 1992

PHOTO BY KATHLEEN SCALISE



Left to right: Undergraduates Claudia Miranda (chemical engineering) and Anita Lynch (chemistry) review Chem 1A material during a Scholars Workshop last fall. The Scholars Program is new for 1991-92.

## Scholars workshop for Chem 1A

Last summer, Isaac Mason, a young man from San Diego, attended an orientation program in Los Angeles for incoming Berkeley freshman. Isaac had thoughts of a career in the sciences, or perhaps in an engineering discipline, but he wasn't sure and his major was undeclared.

At the CalSo orientation, he met College advisor Monica Jackson-Tribble, who told him about opportunities at Cal for undergraduates in chemistry and chemical engineering. The College's new Scholars Program, designed as an honors group for high achievers among those historically underrepresented in the sciences, was particularly appropriate for Isaac, who is African-American and describes himself as having "a limited background in chemistry."

Isaac and 20 other promising students enrolled in Chem 1A joined the program after an invitation from organizer Johanna Ngadi. Graduate student instructor Charles Pibel and undergrad-

## Fastest photochemical reaction discovered in vision

Night sight, with images appearing in shades of gray and all the world a little more eerie, is made possible by a fantastically efficient protein in the billion rod cells of the eye, a protein inexplicably good at converting light energy to atomic motion.

Professor Richard Mathies and coworkers now offer the key to the mystery with proof that the

first step in vision takes place in 200 millionths of a billionth of a second, "faster than any other photochemical process I'm aware of," Mathies said. "It appears to be faster than photosynthesis.

Mathies worked with graduate student Linda Peteanu and LBL scientists Robert Schoenlein and

*continued on page two*

*continued on page five*

## Vision *continued*

Charles Shank. Shank holds a professorship in chemistry. The group's research was reported in the October 18 issue of *Science*.

The speed of the reaction was considerably faster than anyone expected to find when high-speed lasers were first turned on the problem, said Mathies.

"For almost 20 years, the number everyone presented in meetings was on the order of a few picoseconds. People were even saying that three picoseconds was too fast. Subsequently, we discovered it was much faster. It turns out they were off by another order of magnitude," he said.

The rapidity of the reaction, Mathies believes, results from the bond in question waiting under tension from interactions within the molecule in a spring-loaded type of effect, forcing the twist in the right direction.

"The intriguing possibility is to modify this protein to do what we want, to design our own kind of light sensors or custom energy transducer," Mathies said. A transducer could convert solar energy into accessible power.

"It's blue sky stuff, but who knows," said Mathies. "The struggle up to this point is in understanding just how photochemistry occurs."

In the case of rhodopsin, light causes a certain bond in the protein to twist 180 degrees, triggering a series of reactions which result in the transmission of a nerve impulse to the brain.

The twisting, technically an isomerization from *cis* to *trans*, successfully occurs two-thirds of the time for every photon impinging on the molecule. Efficiencies for other conversions of energy generally are far lower.



PHOTO BY MARJORIE FALTENS

*Outstanding Graduate Student Instructor Award winners and award administrators in chemistry for 1990-91 included (top row, left) Simon North, Professor Angelica Stacy (committee chair), Marco Molinaro, Dean Boojamra, Justin DuBois; and (bottom row, left) Professor William Miller (department chairman), Troy Wilson, David Mu, Melinda Burn, and Professor Kenneth Sauer (vice chair of teaching).*

*Other winners of the \$100 prize not shown in the picture are Matthew Marx and Reza Beigi.*

*Carolyn Bertozzi and Mark Kubinec were recognized with the \$200 Bruce H. Mahan Award as three-time winners of a GSI award. Their names will be added to the Mahan Award plaque in 419 Latimer Hall.*

"The energy of a photon is converted to mechanical motion so quickly that there is no time for any energy to dissipate or leak away," said Robert Schoenlein through the LBL public information department. "As a result, the vision system is so sensitive that under ideal conditions, it can detect a single photon."

The UC-LBL research group subjected purified rhodopsin from cow retinas to a quick flash of laser light to make it twist. A second and faster beam took "little stroboscopic snapshots," Mathies

said, showing how long it took for product to appear.

The twisted product absorbs energy more in the red and yellow parts of the spectrum, whereas rhodopsin absorbs in the green, making differentiation possible.

Mathies' experiment required green light, but high-speed lasers generate pulses in the red. "By a combination of tricks," said Mathies, "Schoenlein and Shank converted the red to green. This was a major intellectual development to put this laser system together, both in design and construction."

# Professor Petersen Retires

PHOTO BY CHRISTOPHER SPRINGMANN



*Our four-part story on College faculty members who have retired this year concludes with a profile of Chemical Engineering Professor Eugene E. Petersen, who has been with the College for 38 years.*

"I had aspirations of being a concert pianist once," said Professor Eugene Petersen, reflecting on his career after retiring in 1990. "I decided to go into chemical engineering. The decision was," speaking slowly, "probably," and even more slowly, "correct. Music is a tough business. It's a life that I suspect would not have suited me."

"Here I've enjoyed my colleagues and it's a place where I look forward to going to do what I like," teaching and research.

Petersen, who earned the B.S. in his native state of Washington, accepted an instructorship in chemical engineering at Berkeley a full month before completing his Ph.D. in fuel science at Pennsylvania State University in 1953.

"Berkeley was a school people knew about, it had prestige, and chemical engineering was a young department," a few years old at the time, "and I thought this was a remarkable opportunity. The only thing that was not re-

markable was the salary. I could have made twice as much," Petersen said.

His first-year teaching assignments included a course in thermodynamics, another in kinetics, and a unit operations course offered in the summer that covered four units of work in six weeks.

"I must have been crazy," said Petersen. "I've never seen notes disappear so fast in all my life, but I think I got suggestions, notes, ideas, and what have you from all my colleagues. [It was] an unforgettable year—teaching assignments always seemed easier afterwards."

Petersen's early research in fluid mechanics and heat transfer gave way to work in heterogeneous catalysis and reaction engineering around 1960.

"Heterogeneous catalysis is used to change the chemical structure of starting materials to a more desired form," said Petersen. "The catalyst acts as an agent to make this happen much faster."

Petersen said fluid reactants usually come up to a solid catalyst in heterogeneous catalysis, react, and go away.

They are "the crudest of the catalysts," he said, "but represent a majority of the processes in industry. They are cheap and still quite useful."

Of reaction engineering, he said, "the whole field of transport processes in heterogeneous catalysis sort of started in 1939. People didn't really become aware of it until the 1950s."

"Gene's sophisticated mathematical analysis led to new ways of identifying the primary mechanism of catalyst deactivation by inspection of the shape," said Chemical Engineering Professor Alexis T. Bell. Petersen's "novel experimental approaches," said Bell, included developing a single pellet reactor for catalyst poisoning and mass transfer studies.

"But Gene also made many nontechnical contributions," said

*continued on page six*

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## Introducing chemist Evan Williams, new assistant professor

Analytic chemist Evan R. Williams became the newest member of the College faculty this month with his appointment as assistant professor.

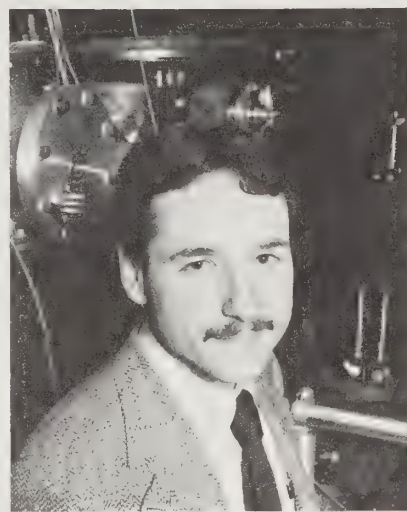
A graduate of the University of Virginia (B.S., chemistry) and Cornell (Ph.D., analytical chemistry), Williams comes to Berkeley from a two-year postdoc at Stanford, where he worked with Richard Zare on the development of techniques for the analysis of large biomolecules—like proteins and DNA—by tandem mass spectrometry. In tandem MS, any ion in the spectra can be selected for further chemistry beyond the initial ionization.

Williams hopes to combine tandem MS with a separation tech-

nique, capillary zone electrophoresis, found very effective for large molecules. The two-prong attack may be useful for many projects, including sequencing the human genome, determining the shape of biomolecules in solution, and analyzing cell contents.

For instance, in cells, "because of the very small quantities of material inside, we don't really know what processes are going on," Williams said. Individual cells can be put into a capillary and electrophoresed to separate components. These are ionized and identified by mass spectrometry. Analysis can be done on amounts as small as  $10^{-18}$  moles, far less than would be visible to the human eye.

PHOTO BY DENNIS GALLOWAY



*Evan Williams*

In protein sequencing, relevant to cancer research and many other fields, the hour required to iden-

*continued on page six*

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## Julie Leary is College's first adjunct professor

Julie Leary, Director of Analytical Labs, has been appointed the College's first ever Adjunct Professor, retroactive to July 1 and at the associate professor level.

"This is really a recognition that Julie is providing a needed and valuable service, that she's carrying out first-class research in her field," said Chairman William H. Miller.

"What this is going to allow me to do is to take graduate students on my own," said Leary.

Leary has funds from NIH and the National Meat Board supporting two or three postdocs at any one time to help with her research in biomolecule compound identi-



*Julie Leary*

fication and corresponding theoretical calculations.

"Postdocs stay one or two years at the most, which doesn't provide enough continuity," she said. "The continuity provided by grad-

uate students will allow better transition from year to year.

"I don't want to have more than [a few] graduate students at any one time, because we're limited by equipment availability.

"When I first came here, there really was not very much equipment and no research being done in the [MS] lab. In the last six years, we've increased our equipment inventory to about \$3 million" with grant money from NIH and NSF.

Leary, her postdocs, and her two spectroscopists spend about half their time on research and the other half on running the mass spectrometry facility. "In addition to the College of Chemistry and UC as a whole," Leary said, "we have collaborated with 91 researchers outside the University,

*continued on page five*

## Scholars *continued*

uate assistant Maylene Briones ran an intensive workshop each week for four hours outside of Chem 1A time. Scholars attended extra office hours and had available a study room in the College complex to develop a support group among themselves. They also had access to the College's computer facility and talks by guest speakers from the faculty.

Isaac completed Chem 1A last December with flying colors.

"[The Scholars Program] helped a lot," he said. "Going into what was really a weeder class, it helped a lot."

Associate Dean William Lester, Jr. modeled the intensive workshops on Cal's Professional Development Program mathematics workshop. Future expansion depends on outside funding.

Lester said that with California's "minority" population fast becoming a majority, the state must look to African-American, Mexican-American, Latino, Native American, and rural students as a critical source of future scientists and engineers.

"We're targeting them to get through Chem 1 at the present time," Lester said. Eligible students with high SAT scores are selected if they express an interest in chemistry or chemical engineering.

Isaac said the Scholars Program took a lot of time—about six hours a week besides the regular Chem 1A schedule of four hours in lab, two hours in lecture, and one hour in discussion section—but he found it worthwhile.

"The TA, he was really patient," Isaac said. "He gave a lot of extra help outside the workshop. I know a lot of people struggled through that class. My only

suggestion would be to make that workshop useful for anyone."

Isaac has decided that he wants to be a chemical engineer. He applied for a transfer to the College and hopes to hear from the dean soon, "if he wants me."

"Oh, I'm sure he will," said Monica Jackson-Tribble.

Meanwhile, Johanna Ngadi is planning the first Chem 1B Scholars Program Workshop. "We're having growing pains," Lester said with a smile.

## Leary *continued*

including Chiron, Cetus, Dow, Harvard, and Stanford." The facility runs approximately 4,000 samples per year with a two- to three-day turnaround for results.

"I have to give a lot of credit to the people who run the facility samples," Leary said. Spectroscopist Sherri Ogden said she has been with the facility for "twenty-plus years" and Zhongrui Zhou was a postdoc "so good we had to keep her," said Leary.

The staff spend much time on the ZAB2-EQ, a magnetic sector/quadrupole hybrid mass spectrometer. "All of our research on linkage position determination of oligosaccharides," Leary said, "is done on this instrument," which custom modification has made unique in the U.S.

"These changes and additions allow us to acquire MS/MS/MS spectra as well as increasing the ion transmission efficiency in the MS/MS mode," she said.

Except for equipment funds, the facility is run on a recharge basis. "We're supported 100 percent—salary and overhead—by recharge," Leary said. "We were running 30 to 50 thousand [dollars] in the red, but we've broken even for the last four years."

## Noteworthy news

Chemistry Professor **Mark Bednarski** won one of 23 Lawrence Berkeley Laboratory 1991 Technology Transfer Excellence Awards recognizing contributions of Laboratory scientists to developing and transferring technology to industry and the private sector. **Heinz Heinemann**, a lecturer in chemical engineering, was also a recipient. • Chemical Engineer **Harvey Blanch** was elected a fellow of the International Institute of Biotechnology and the American Institute for Medical and Biological Engineering. • Professor **Melvin Calvin**, chemistry, has been honored with the U.S. Department of Energy's John Ericsson Award in Renewable Energy for his "major research in photosynthesis and alternate energy sources." The Ericsson Award carries a \$10,000 prize. • Chemistry Professor **Clayton H. Heathcock** was the Prelog Lecturer of ETH-Zürich in Switzerland last November. • A big thanks to alumnus **John F. Heil, Jr.** (chemical engineering, B.S. '57, Ph.D. '62), the retired director of ICI Americas Western Research Center. He is generously donating a great deal of time to the analysis of programs, administration, and staffing in the College. • **Daniel E. Koshland, Jr.** (chemistry, B.S. '41) was elected Alumnus of the Year for 1991 by the California Alumni Association. He becomes the fourth in his family to receive this honor, preceded by his father, Daniel E. Koshland (class of '13); his uncle, Walter A. Haas, Jr. (class of '10); and his cousin, Walter A. Haas (class of '37). Koshland is a professor of biochemistry and molecular biology at Berkeley and editor of *Sci-*

*continued on page six*

A Publication of the Dean's Office  
College of Chemistry  
UC Berkeley  
Kathleen Scalise, Editor  
(510) 642-6867  
420G Latimer Hall, UC Berkeley  
Berkeley, California, 94720

The College of Chemistry Seminar Calendar is out for the fall semester. To be added to the mailing list, call Pat Dyer at (510) 643-9351.

### Petersen *continued*

Bell. "As a member of the department, Gene often voiced his opinion on academic issues and the need to balance intellectual rigor against physical understanding. Students should have sufficient understanding of physical forces involved in problems and their relative importance."

Since his retirement last summer, Petersen has been on recall to teach the department's course in reaction engineering, a course for which Petersen originally wrote the book, *Chemical Reaction Analysis*. His second book on catalysts came out "one or two years ago," said Petersen. "In writing a book, the first third, the creative period, is pure joy, then comes a time to put this in understandable form, and then proof-reading and editing, which is absolute pain."

Petersen is planning a third and this time nontechnical book, "a metal-working hobby book," said Petersen.

"I also have visions of what might be possible for me to do in the high schools, like the idea of teaching. We have to do something in this country to improve education."

"But the one thing I would really like to do when I finally stop teaching here is learn to fly. My son and I would both learn to fly together. I like the third dimension. I'd fly small planes and maybe gliders.

"I envy the birds."

### Noteworthy News *continued*

*ence* magazine. • Chemistry Professor **Henry Rapoport** will receive the 1992 Research Achievement Award of the American Society of Pharmacognosy in July for his work in natural products chemistry. • The former library on the second floor of The Faculty Club has been renamed the **Glenn T. Seaborg Room** and dedicated to the fifteen Nobelists from Berkeley, eight of whom are still living. "It's a very nice room," said Seaborg. "One of the nicest rooms. It's used as a meeting room, for lunches and receptions." Seaborg said that in the early '40s both he and Chemistry Professor **Melvin Calvin**, also a Nobel prize winner, lived in the wing of The Faculty Club that now houses the Seaborg room. • **Susan Slavick** has been selected to fill the MSO II position in the College left vacant with the retirement of **Ed Dutto**. Reporting to Harry Chiladakis, her responsibilities include building-related and EH&S matters. Susan has been with the College for 11 years and was Assistant Building Coordinator. • **Charles Tobias**, Professor Emeritus of Chemical Engineering, has received multiple tributes this fall. He was elected an honorary member of the Hungarian Chemical Society in September, chosen as a fellow of The Electrochemical Society in October, and presented with the Founders Award of the American Institute of Chemical Engineers in

November. (December brought nothing but the holidays.) The dedication of the Founders Award nicely summed up Tobias's accomplishments: "For establishing modern electrochemical engineering on sound scientific principles, for seminal contributions to research, and for training nearly two generations of successful electrochemical engineers." • **Michael Lane**, a graduate student in chemistry, won the '91 Charles D. Coryell Award for undergraduate research in nuclear chemistry, sponsored by the ACS Division of Nuclear Chemistry and Technology. • Renovations to reduce noise and increase security are complete in the **Chemistry Library**.

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### Williams *continued*

tify each amino acid might be reduced to a matter of seconds.

A challenge, Williams said, is trying to assemble the complicated data he derives into something useful.

"There's not a tremendous amount of experience using this technique for large molecules," Williams said, although the EPA, for instance, uses tandem mass spectroscopy as a very fast form of analysis for sites contaminated with toxins. "They get concentration maps on line as they drive across these sites," Williams said.

Williams is single and enjoys sailing. He can be reached through the department office.



Page 21



Oakland, April 5<sup>th</sup> 1978

LAZLO AMBR.  
1366 ANNERLEY RD.  
OAKLAND, CA 94611

Dear Dr. Bader

We were very sorry that during your  
last trip you were not able to stop by us.  
I was looking forward to meeting you.

Thank you for showing interest in  
our painting. Enclosed is a snapshot,  
I hope you'll find it useful.

Next time you come to the Bay Area  
try to remember us and find time  
to visit us.

With best regards,

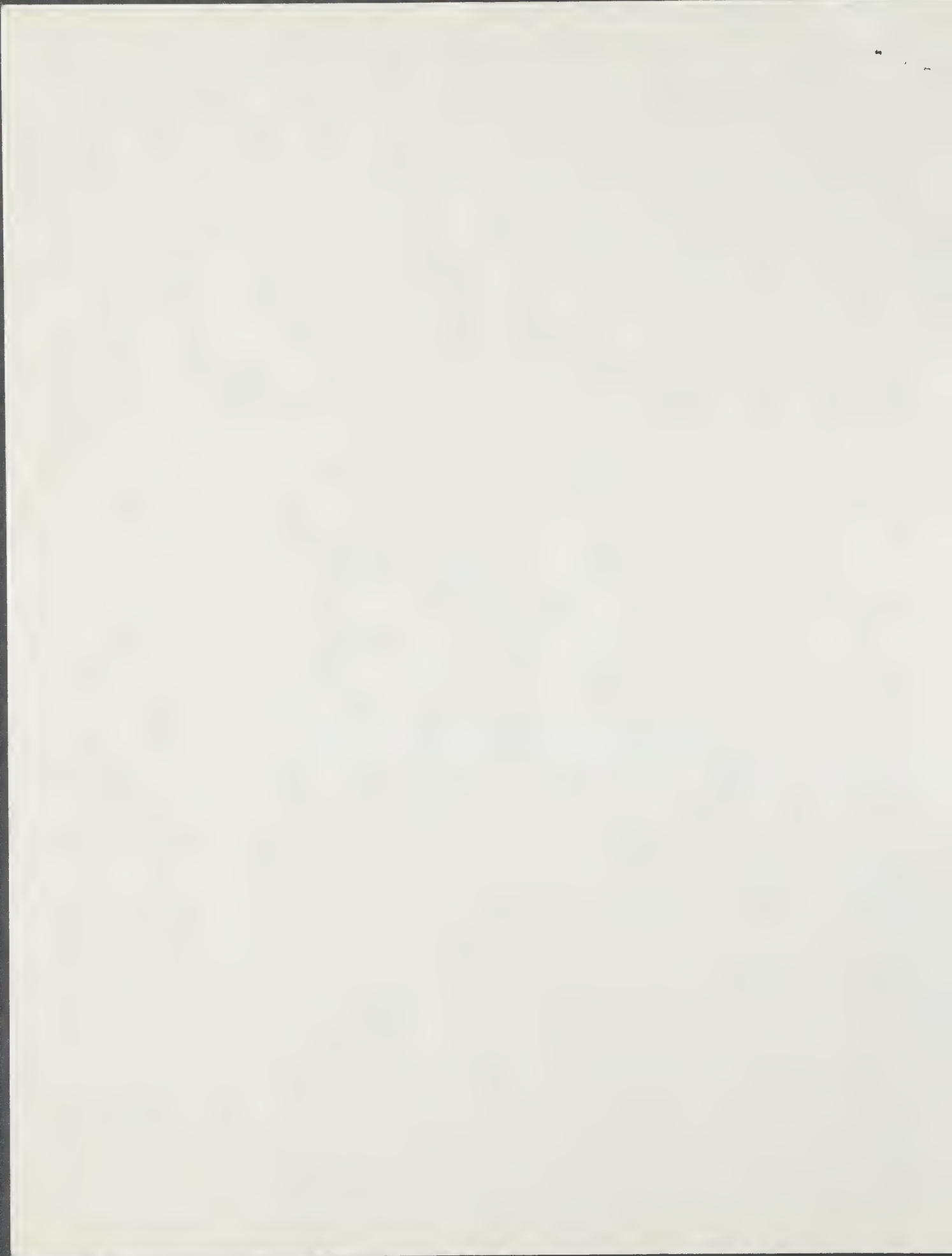
Annie Aubrus

Dear Dr. Bader

Thank you for sending us the  
cost estimate for the compounds we  
discussed. I'm taking all appropriate  
actions to secure the funds for  
the purchase.

Sincerely yours

Frank Allen



For

AB

Date

11/16

Time

1:00

# WHILE YOU WERE OUT

M

Mr Joseph Gollyne

of

SFO

Phone

415-356-8112

Telephoned

Called to See You

Wants to See You

Please Return Call

Will Call Again

Urgent

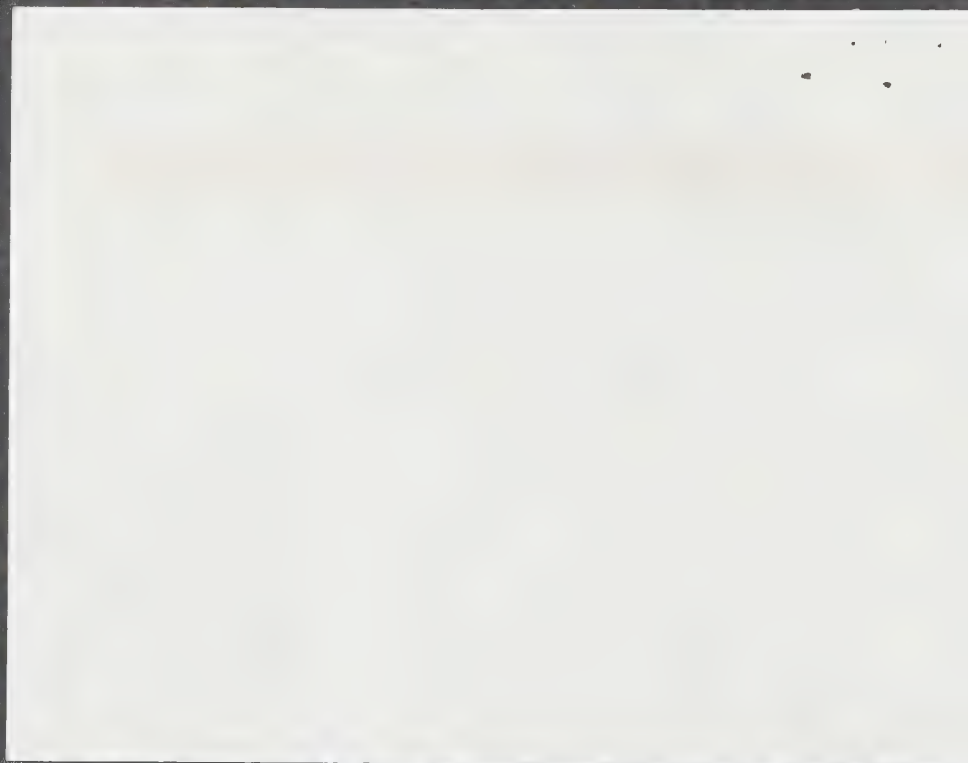
Remarks

By your letter of 11/15 we  
will be happy to contact you  
any time you are in SFO

Signed

JTG





October 19, 1982

Dr. Joseph Goldyne  
One Maple Street  
San Francisco  
California 94118

*Home*  
*(415) 386-812*

Dear Dr. Goldyne:

Mr. Thomas Garver, the Director of the Madison Art Center, visited me last weekend to look at my collection of Rembrandt school paintings. He mentioned to me that you also were very interested in Dutch paintings, and when next I am in San Francisco, probably this winter, I would love to have the opportunity of visiting with you to discuss our interest in paintings.

To give you some idea of my collection, I enclose a recent exhibition catalog.

Best personal regards,

Alfred Bader

AB:rmh

Enclosure

cc: Mr. Thomas H. Garver

**Aldrich Chemical Company, Inc.**

940 West St. Paul Avenue Milwaukee Wisconsin 53233 USA Telephone (414) 273-3850 Cable Aldrichem TWX 910-262-3052

3

Time - 6.30

Address - Maple &

Jackson South in  
Fiddler's Neck  
out  
Ryer  
200

408 429 4676

SFO

Dr. Reayne

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

Dear Alfred:

Because of over three weeks in the East and an unexpected trip to Los Angeles, I am afraid this response is a tardy one. Now that I can find time to sit at the word processor, let me begin by thanking you for taking the time to articulate your position on the matter of showing your collection in San Francisco. As someone who is well familiar with presiding over a rather good number of art works, I am, believe me, in complete sympathy with your concerns. Therefore, I must be comfortable with your decision, disappointing as it may be to others associated with the museum.

There is one thing that I would like to express a personal feeling about and that is your understandable concern about the commitment of money required for a proper catalogue of such an exhibition. In your letter, you suggested that there were more important needs in the Jewish Community such as human services. This is a hard point of view to contest, yet one which must be balanced by a cultural perspective which I think is especially fitting for Jews. You would be the first to agree that fine books make a tremendous difference in the perception of the subjects with which they deal. Special effort resulting in quality may be expensive, yet a dignified presentation which not only records the relevant scholarship but attempts to preserve the allure of the objects, remains highly relevant long after the physical exhibition is over. This cannot be underestimated in terms of its contribution to a more accurate, not to mention pleasurable, understanding of the subject.

One of the things that I pressed for at the Fine Arts Museums in San Francisco was the production of excellent catalogues - excellent design and excellent color reproductions. Debbie and I also sponsored a catalogue at the Israel Museum in Jerusalem and I have lobbied for special catalogues as essential reflections of the seriousness and standing of our Jewish Museum in San Francisco.

I often make the distinction between art history and artistry, because the latter is so often sacrificed on the alter of the former. Art history is not beautiful - only interesting or, at the most, fascinating. It is artistry which moves us and which is most difficult to capture; and it is the artistry of painters long deceased to which we have an obligation as exhibition and catalogue organizers. Agnes Mongan at the Fogg Museum used to say: "don't do an exhibition unless you can do a catalogue;" I simply qualify the admonition a bit by saying: "don't do an

exhibition unless you can do a good catalogue." To sum up, we are supposed to be a people of the book in the broadest sense. We value learning and respect those who further its cause. So doing the best possible books should be a moral obligation, especially for a Jewish institution. Mrs. Geballe also believes this, and she has been supporting human services in the Jewish community for years.

If you ever change your mind regarding an exhibition of some sort, you know that you will have a delighted partner in the Jewish Community Museum of San Francisco. More immediately, I speak for all those who heard you this year as well as Helaine Fortgang, our director, in extending an invitation to continue the series next winter. I am delighted that you are enthusiastic about the possibilities, and know that we will have an even bigger audience, because more people will have heard about the excellence of this year's presentation. We can set a definite date and subject a little later this year. For now, I wish you a healthy, happy Passover and a good summer with perhaps a few more Rembrandt school paintings.

Debbie and my Mother send fond regards to you and Isabel:

Best Wishes

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

Joseph





*Chemists Helping Chemists in Research and Industry*

**aldrich chemical company, inc.**

Dr. Alfred Bader  
Chairman

April 16, 1987

Dr. Joseph Goldyne  
One Maple Street  
San Francisco, California 94118

Dear Joseph:

I so appreciate your thoughtful letter. The delay in receiving it had worried Isabel and me that somehow we might have offended you, and of course that is the very last thing in the world which we want to do.

We very much hope that sometime in the next year you will find a day or two to visit us in Milwaukee, and we can then discuss the important points of your letter. Let me just say briefly that we are in total agreement with what you say. Really good catalogs are important and are so very difficult to achieve.

If sometime in the future the Jewish Museum in San Francisco has an exhibition into which one or two or even three of our paintings would fit, we would be delighted to loan them. Also, if you ever publish a catalog where an essay on the iconography of some of Rembrandt's biblical paintings would fit, I would be happy to prepare such an essay.

We already look forward to our next trip to San Francisco next winter, and I will give you ample notice of the time. I will be happy to present another talk at the museum, this time on the adventures of a collector.

Please don't forget: We very much look forward to seeing you in Milwaukee.

Fond regards from house to house,

As always,

Alfred Bader  
AB:mmh





# aldrich chemical company, inc.

## CONTACT REPORT

Copies to:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Report No. \_\_\_\_\_

By \_\_\_\_\_

Date \_\_\_\_\_

Department \_\_\_\_\_

Other Persons Accompanying:

Persons Interviewed and Position

\_\_\_\_\_  
\_\_\_\_\_

1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_

Company Name and Address:

4. \_\_\_\_\_  
5. \_\_\_\_\_

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Send catalog to: 1 2 3 4 5

Add to mailing list: 1 2 3 4 5

### REPORT:

*Jim Chelton 731 6449 Friday*  
*15049 San Diego Ave*  
*580 - Holliston Ave*  
*offices*  
*100 ...*  
*San Jose ...*

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Experiments - 20ft

striped R. ...

... #80

... first

... top ...

ERICH HEFTMANN, PH.D.

P. O. BOX 928

ORINDA, CA 94563-0818

6. Jaenner 1986

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

Lieber Herr Doktor,

besten Dank fuer Ihren Anruf. Ich freue mich schon sehr darauf Ihre Bekanntschaft zu machen.

Beiliegend die versprochenen Plaene. Bitte achten Sie nur auf die Bay Bridge zu kommen und von dort in Richtung Walnut Creek zu fahren. Unsere Adresse ist 108 Canon Drive, Orinda. Unsere Telefonnummer haben Sie ja. Sollten Sie sich verirren, rufen Sie mich bitte an und ich komme Sie abholen.

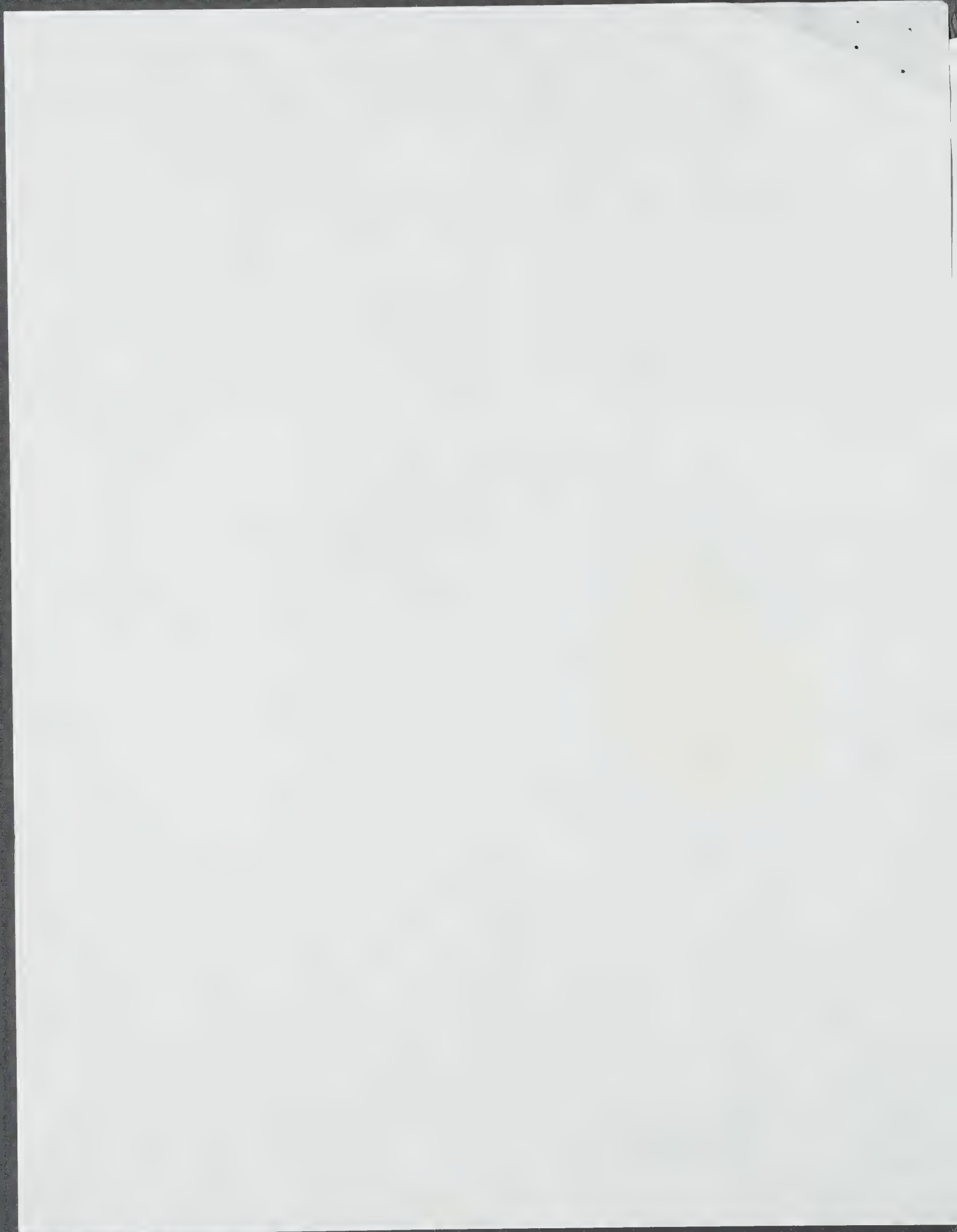
Wir erwarten Sie und Ihre Frau Gemahlin am Sonntag, den 9. Feber, zum Mittagessen.

Mit herzlichen Gruessen

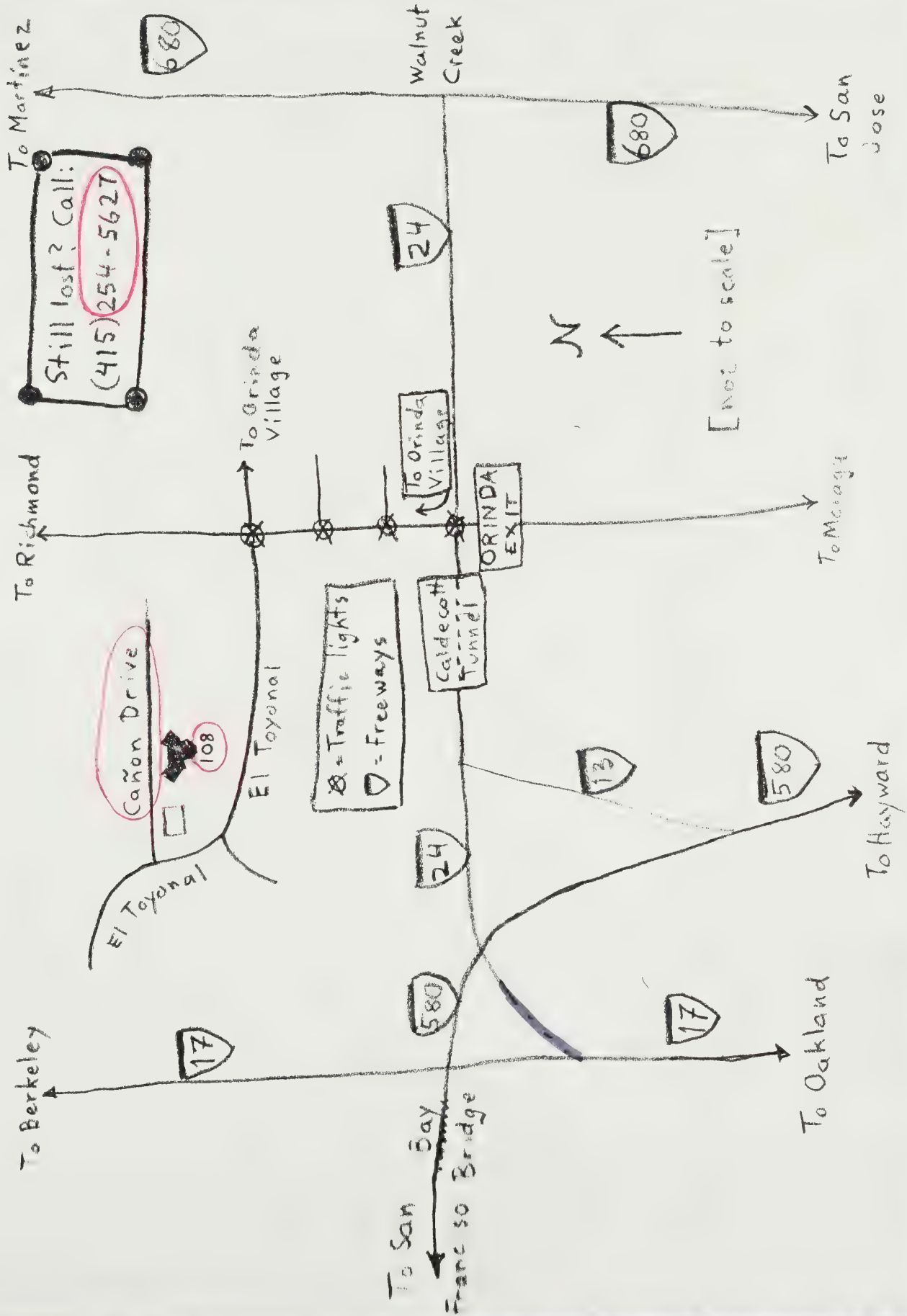
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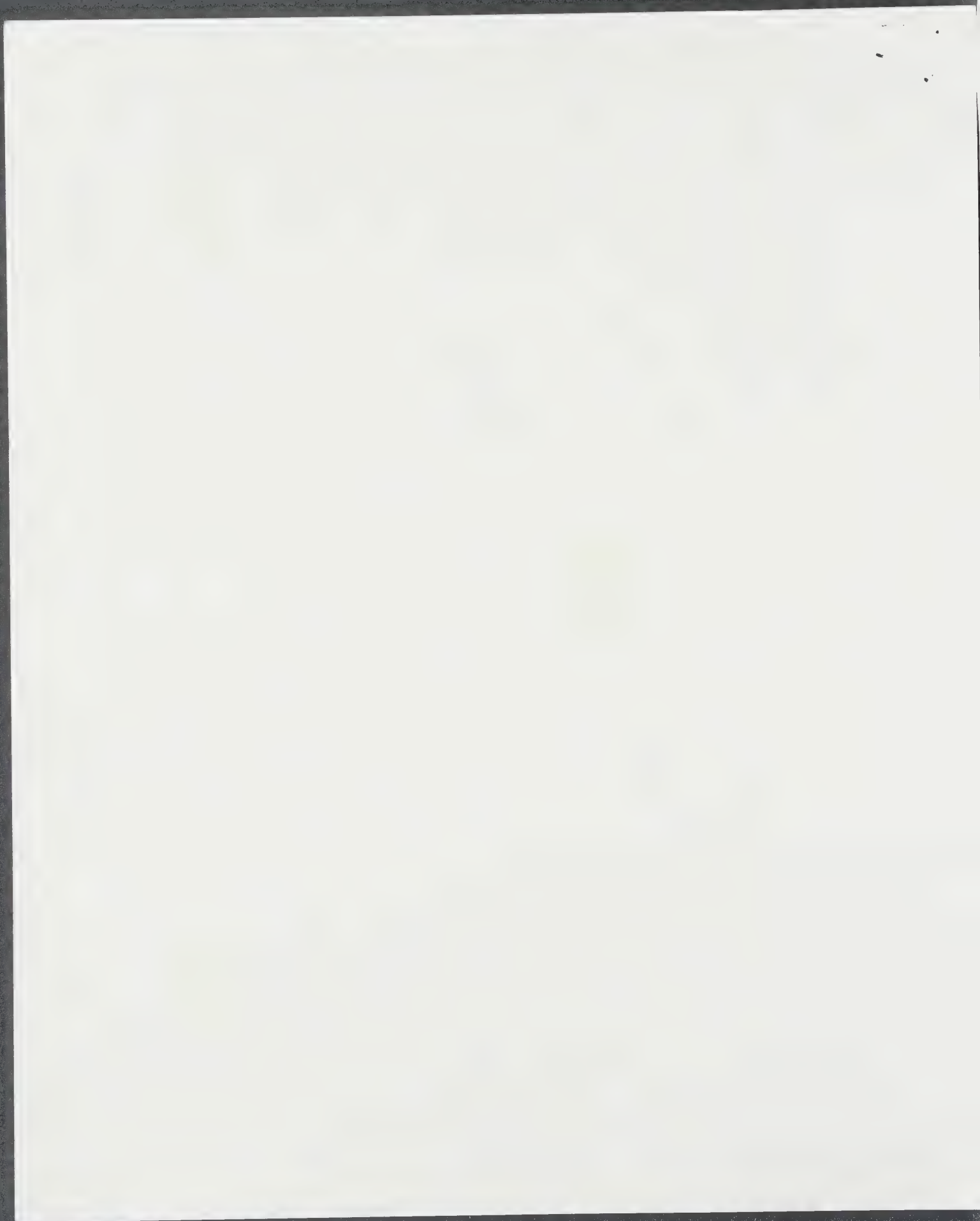


Erich Heftmann



# How to find Brigitte and Erich Heftmann









*Chemists Helping Chemists in Research and Industry*

## **aldrich chemical company, inc.**

**Dr. Alfred Bader**  
Chairman

November 20, 1984

Dr. Erich Heftmann  
Journal of Chromatography  
P.O. Box 928  
Orinda, California 94563

Dear Dr. Heftmann:

I was so happy to realize yesterday that we could agree on the price of \$2000 for your most interesting collection of steroids and our check is enclosed.

I already look forward to meeting you personally next spring.

Best personal regards,

Alfred Bader

AB:mmh

Enclosures



540

1984

JOURNAL OF CHROMATOGRAPHY

Editor, Symposium Volumes: Erich Heftmann, Ph.D.

P.O. Box 928, Orinda, CA 94655, U.S.A.

RECEIVED

SEP 13 1984

Aldrich Chemical Co., Inc.

September 10, 1984

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

Dear Dr. Bader:

In response to your letter of September 6th I would be very glad to send you my collection of steroid samples for appraisal. It contains almost 1000 steroids, but not all of them are different or absolutely pure. Moreover, in some cases the amounts are quite small.

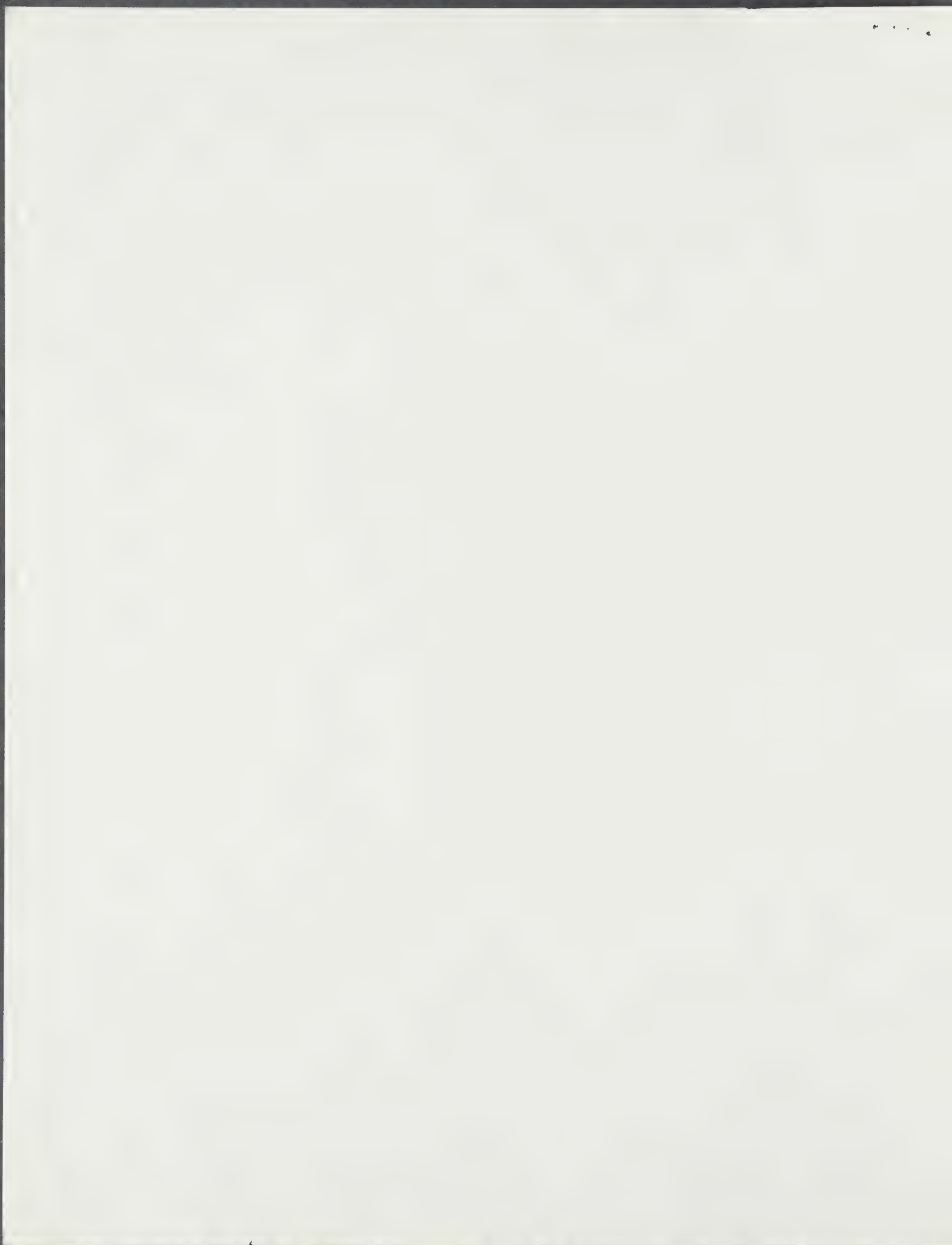
Naturally, you won't be able to make an offer until you see it. If you wish to examine the collection, which is indexed with punched cards, please write or call me at (415) 254-5627.

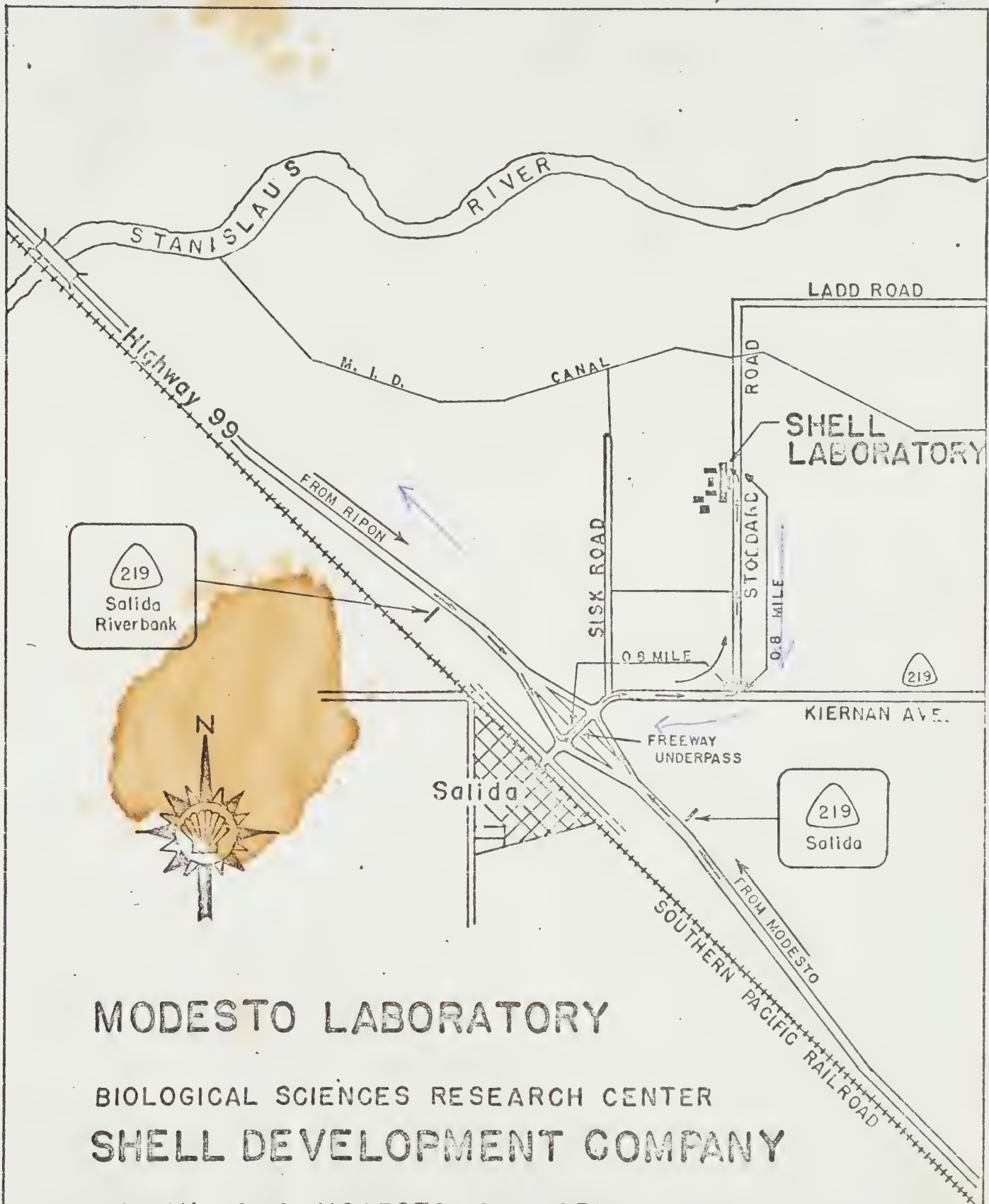
Sincerely yours,

*Erich Heftmann*

Erich Heftmann

*Heftmann Feb. 9*





# MODESTO LABORATORY

BIOLOGICAL SCIENCES RESEARCH CENTER

## SHELL DEVELOPMENT COMPANY

P.O. BOX 4248, MODESTO, CALIFORNIA 95352

When coming from San Francisco or Oakland, stay on U.S. 50 through Manteca to Highway 99. DO NOT take the right-hand fork (east of Livermore) which says "Los Angeles-Fresno Interstate 580".



# THE CARLSON GALLERY

257 GRANT AVENUE, SAN FRANCISCO, CA. 94109 415/982-2882

**THE CARLSON GALLERY IS MOVING TO A NEW LOCATION  
JANUARY 1, 1991. OUR PHONE NUMBER WILL REMAIN THE SAME.**

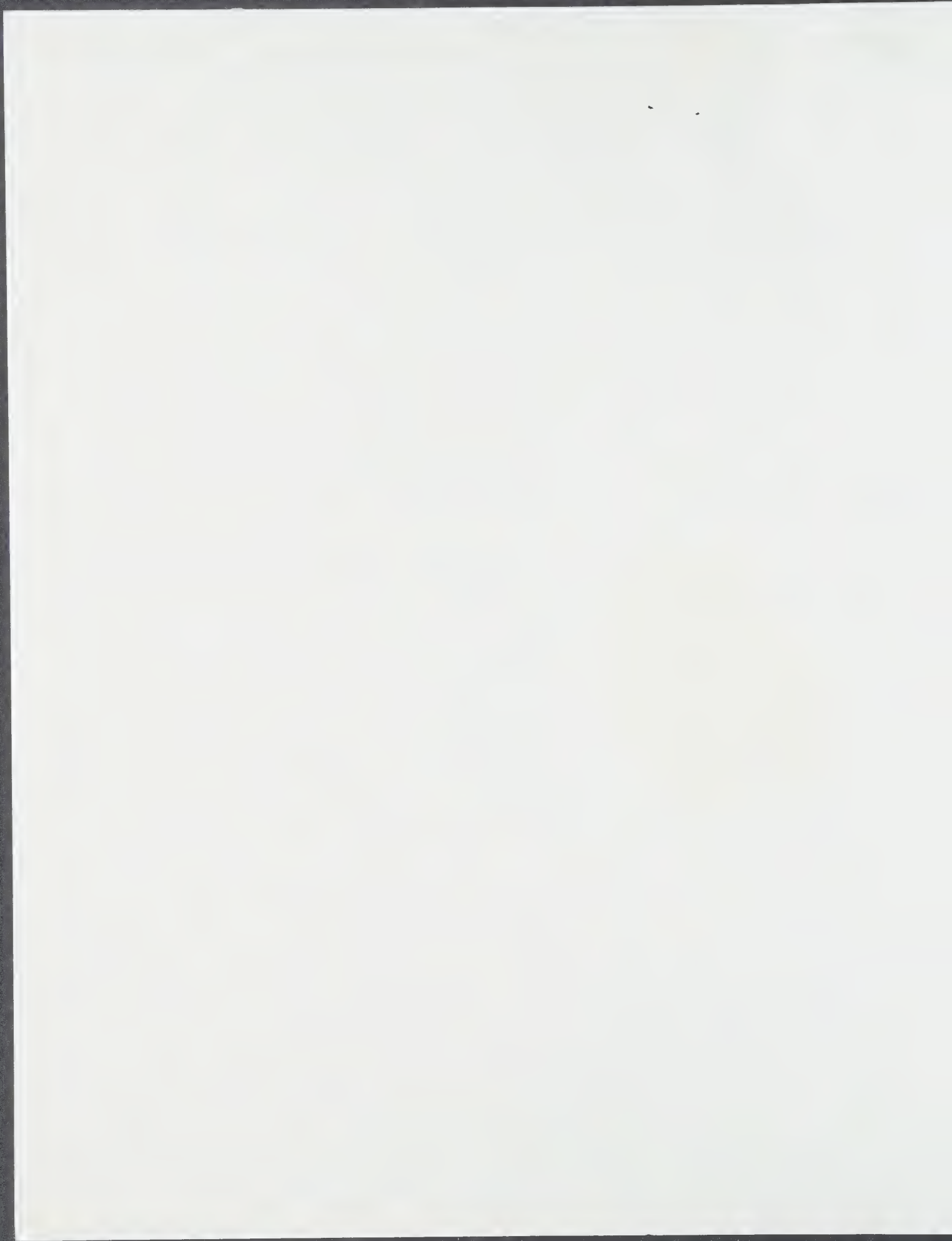
The August 30, 1990 issue of Artweek described THE CARLSON GALLERY as a "small, intimate, intense and user-friendly gallery." "Small" has made it difficult to show our extensive selection of paintings and sculpture, so January 1 we will be locating the gallery to a spacious town house on California Street, allowing us to properly exhibit all works of art.

To celebrate this change, starting Monday, November 26 and running through the entire month of December, we will have a one-time only Holiday Sale. All paintings, works on paper and other artwork in the gallery will be offered at very special holiday prices. If there is a painting that you have interest in, call and we will hold it for you.

We are also selling a wide selection of our duplicate Art Reference Library. A sampling of the books include the 21 volume WPA set (includes biographies on about 90 major California Artists), American Art Annuals, Who's Who in American Art, books on American Sculpture, The Kennedy Quarterly, many artist dictionaries plus hundreds of American & European artist monographs and exhibition catalogues.

We look forward to seeing you at our new location next year. Please call, we will always be happy to welcome you.

David & Jeanne Carlson  
The Carlson Gallery





M SFC

Dr. Alfred Bader  
Chairman Emeritus



February 17, 1992

Dr. Jorge P. Li  
Sandoz Crop Protection  
975 California Avenue  
Palo Alto, California 94304-1104

Dear Jorge:

It was really good to chat with you on the 7th, even though our visit to Sandoz Crop Protection was so very short.

Next time we are in the Stanford area, we plan to give you a good deal more notice and hope to have a chance to visit with you and your colleagues more leisurely.

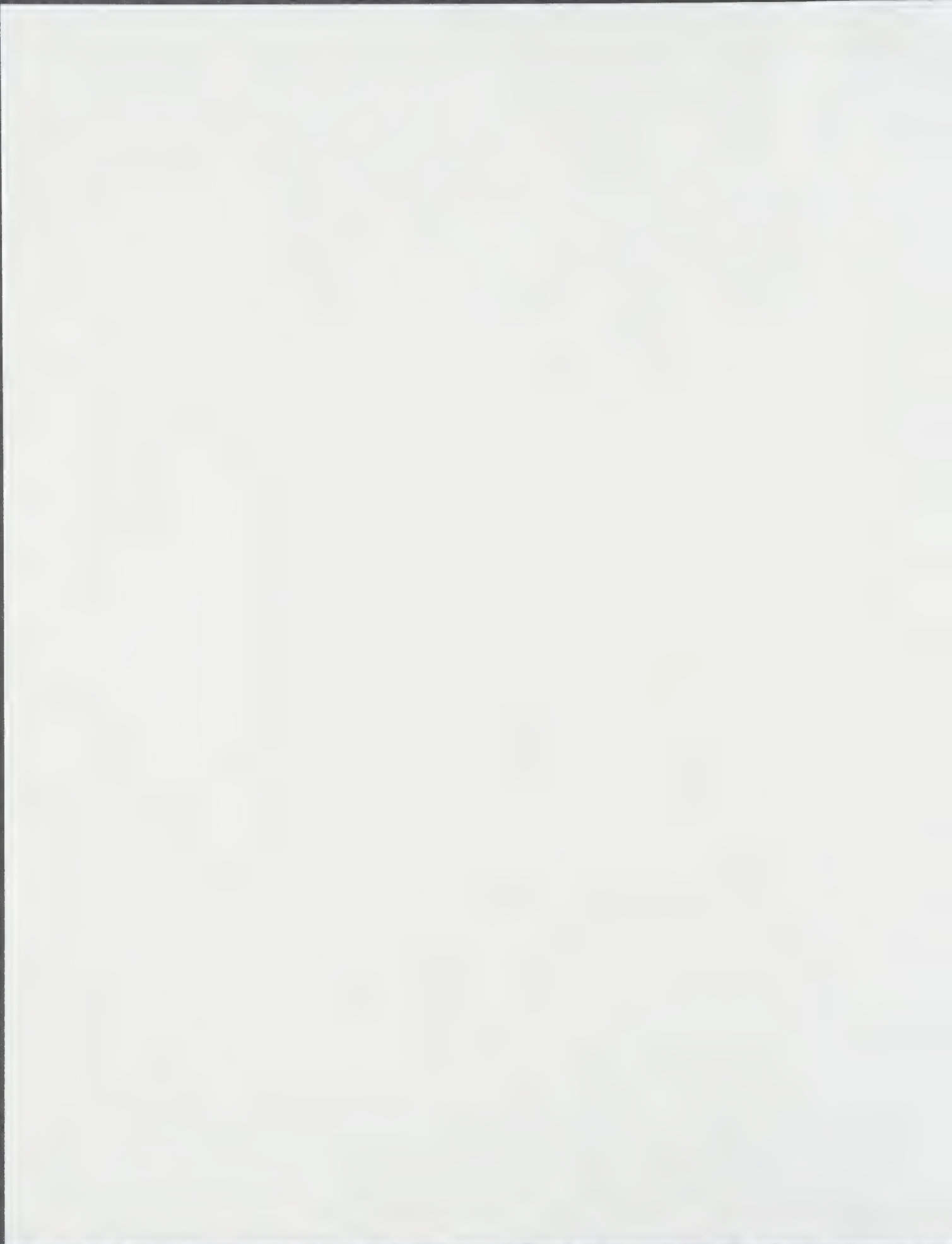
All good wishes.

Sincerely,

Alfred Bader  
AB:mmh8


**SIGMA-ALDRICH**

P.O. Box 355 Milwaukee Wisconsin 53201 USA Telephone (414) 273-3850 Cable Aldrichem TWX 910-262-3052 Telex 26-843



Dr. Alfred Bader  
Chairman Emeritus

February 18, 1992

*M SFO*  


Prof. John C. Craig  
School of Pharmacy  
Department of Pharmaceutical Chemistry  
University of California  
San Francisco, California 94143 0446

Dear Prof. Craig:

Thank you for your kind note of February 4.

We have just returned from a 12-day trip to California, just in time to avoid the worst of the storms. We were sorry to miss you in San Francisco, but perhaps we can get together on our next trip.

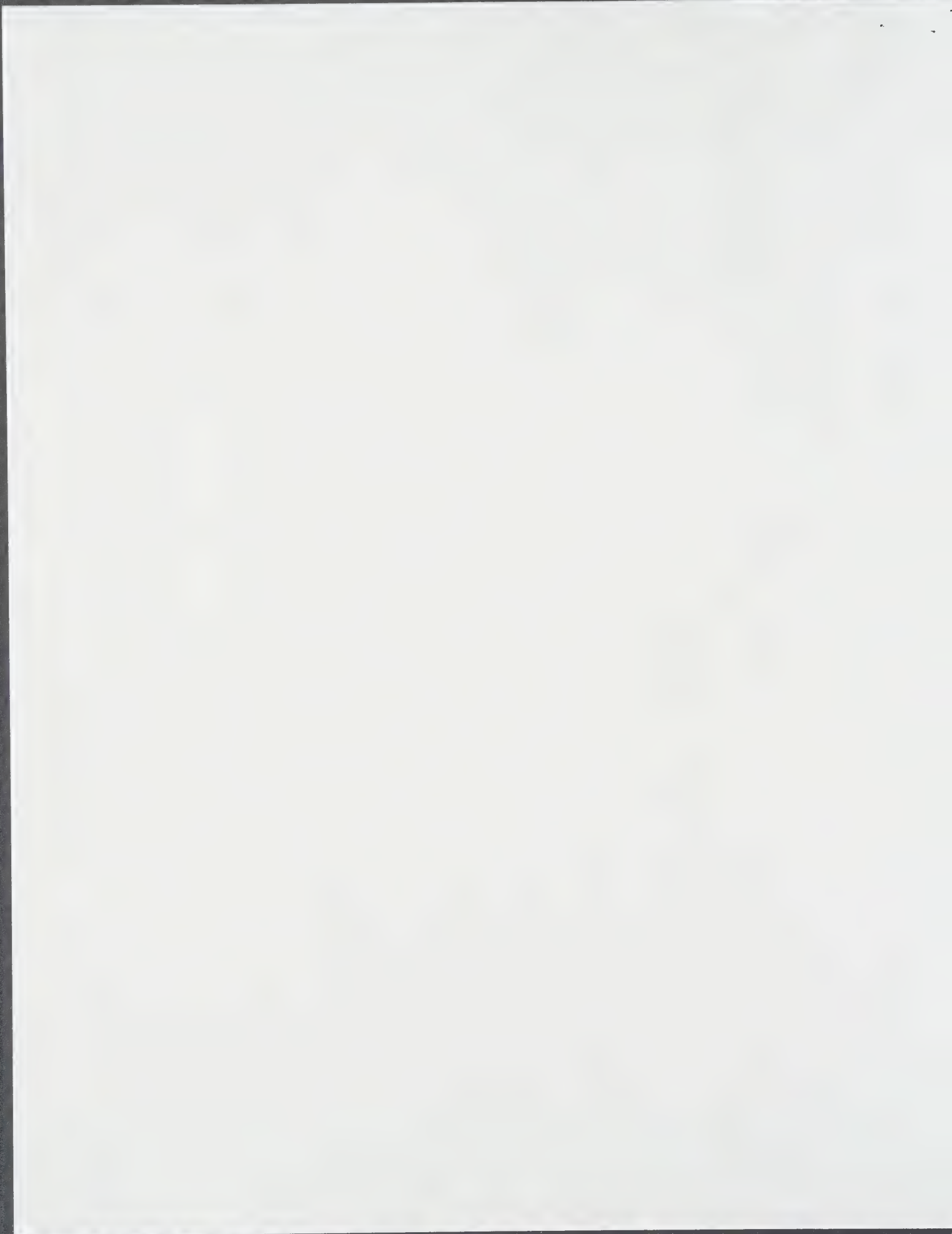
All good wishes.

Sincerely,

Alfred Bader  
AB:mmh

**SIGMA-ALDRICH**

P.O. Box 355 Milwaukee Wisconsin 53201 USA Telephone (414) 273-3850 Cable Aldrichem TWX 910-262-3052 Telex 26-843



UNIVERSITY OF CALIFORNIA, SAN FRANCISCO

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SANTA BARBARA • SANTA CRUZ

SCHOOL OF PHARMACY  
DEPARTMENT OF PHARMACEUTICAL CHEMISTRY

SAN FRANCISCO, CALIFORNIA 94143-0446

February 4, 1992

Dr. Alfred Bader  
Aldrich Chemical Company, Inc.  
P.O. Box 355  
Milwaukee, WI 53201

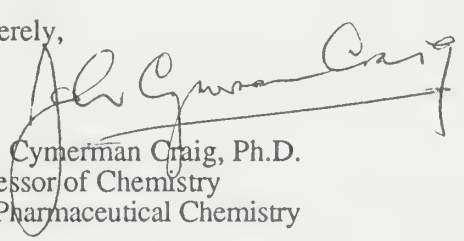
Dear Dr. Bader:

Now that we are back in San Francisco and recovered from the usual jet lag. Elaine and I would like to thank you and your wife for the very pleasant visit we had to Bexhill-on-Sea. The village lunch was delicious and we enjoyed the unusual opportunity to select a painting from your collection. Sincere thanks for the colourful Eugene Isabey which is now hanging in our living room.

Did you mention that you had plans to be in California in February or March? Please let us know if you will be in the San Francisco area. Perhaps we can get together?

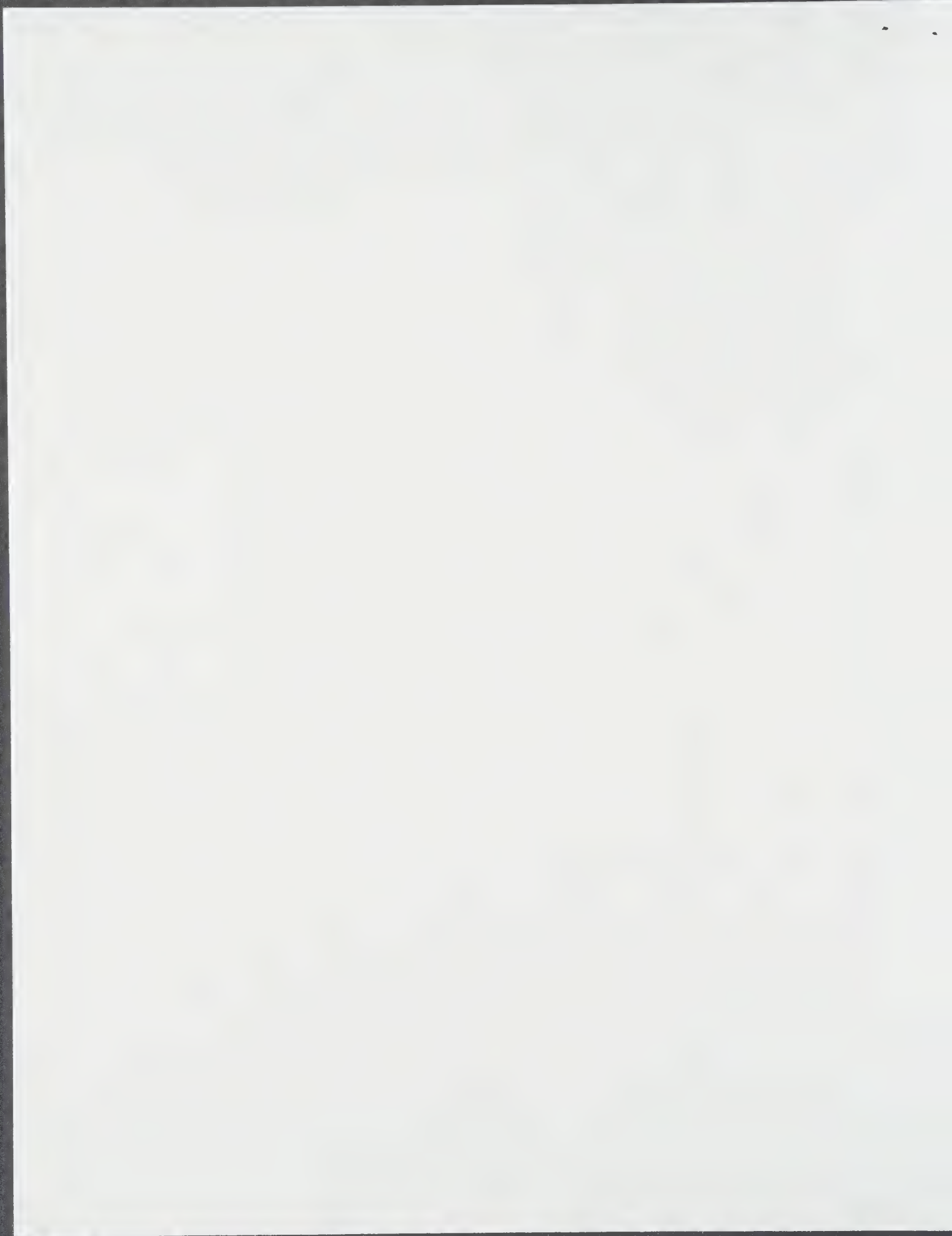
Again best regards to you both from Elaine.

Sincerely,

  
John Cymerman Craig, Ph.D.  
Professor of Chemistry  
and Pharmaceutical Chemistry

JCC:dc

LR: \$850 painting



**J A Q U I**  
**O U E L L E T T E**

Artist Representative  
Fine Art Dealer

5-3-90

H

April 27, 1990

Dr. Alfred R. Bader  
Chairman  
Aldrich Chemical Corporation  
940 West St. Paul Avenue  
Milwaukee, WI 53233

SFO area

P. O. Box 272  
San Rafael, CA 94915  
415 · 925 · 1933

Dear Dr. Bader:

My parents, Judge Russell and [redacted] told me several years ago that you are an acquaintance of theirs and an avid art collector. I was therefore not surprised to see you listed among America's top 100 collectors in the March, 1990 issue of Art and Antiques.

Jacqui Ouelette, a roommate of a close friend, is a dealer in fine arts who represents several outstanding artists including the Czech Daniele Lion and an Israeli woman named Saqi Vas. The paintings by these two artists have been professionally priced (between \$3000 and \$8000) and are museum quality.

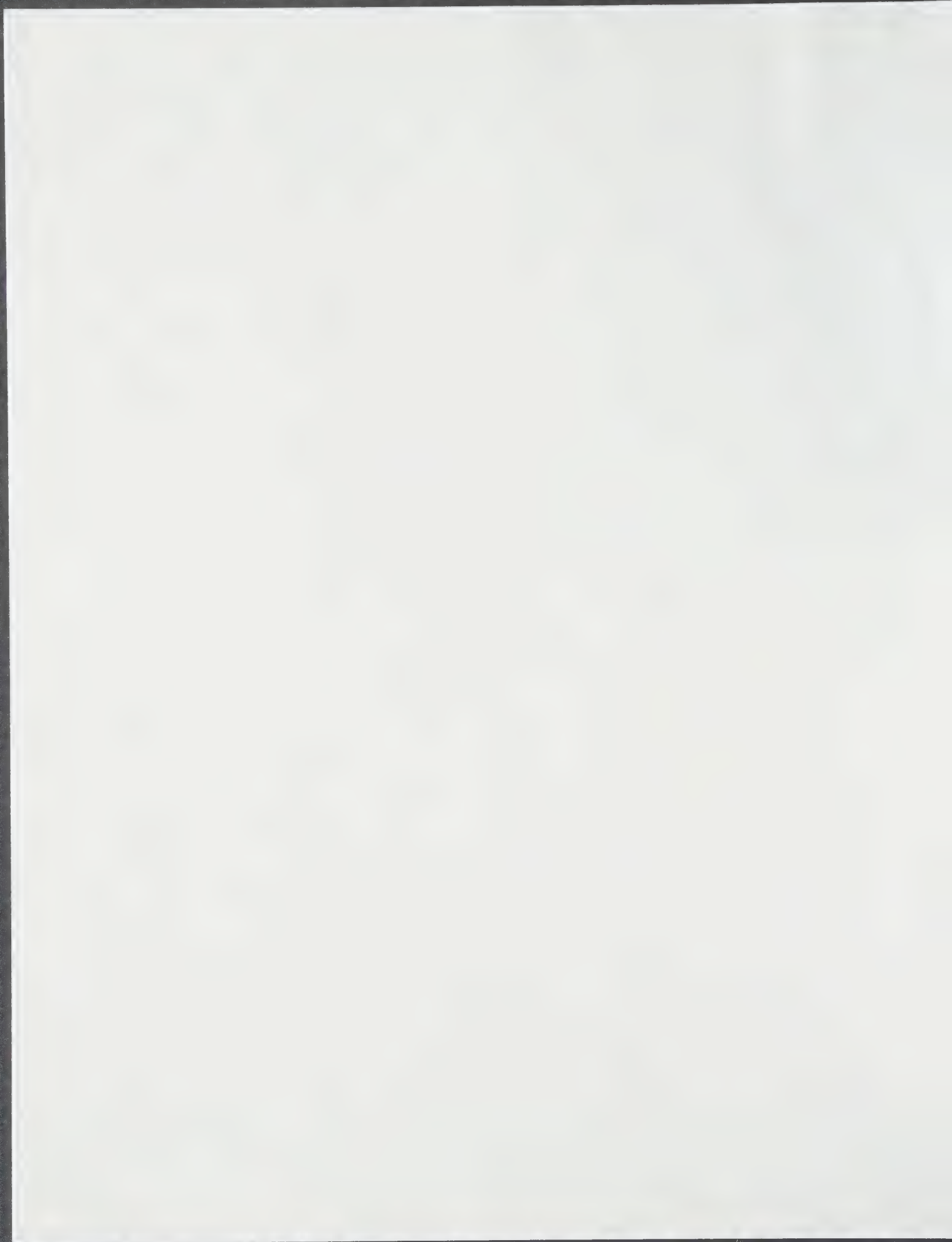
Based upon the description of your interests in the aforementioned journal, Jacqui surmised that you may be interested in purchasing paintings by these two artists. If you would desire slides or a private viewing, or further information, please contact Jacqui. Please call me if I can be of further assistance.

Very truly yours,

*Joseph H. Eisenberg*

Joseph H. Eisenberg  
1437 Brockton Avenue, Apt 5  
Los Angeles, CA 90025  
213-479-8361

enclosures





Menlo Park's Dramatic  
**RIVIERA MOTOR LODGE**  
15 El Camino Real, Menlo Park, Calif. 94025  
Telephone (415) 321-8772

Closest motel to Stanford University, Medical  
Center, and Stanford's famous shopping center

Charles & Pat Johnson, Mgrs.

## MEMO

To

MH

From

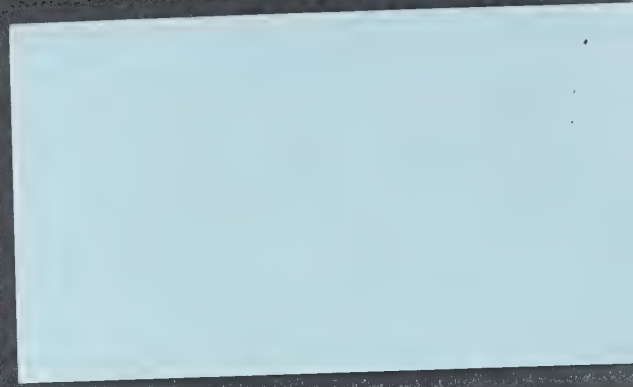
Date

Subject

For next Stanford

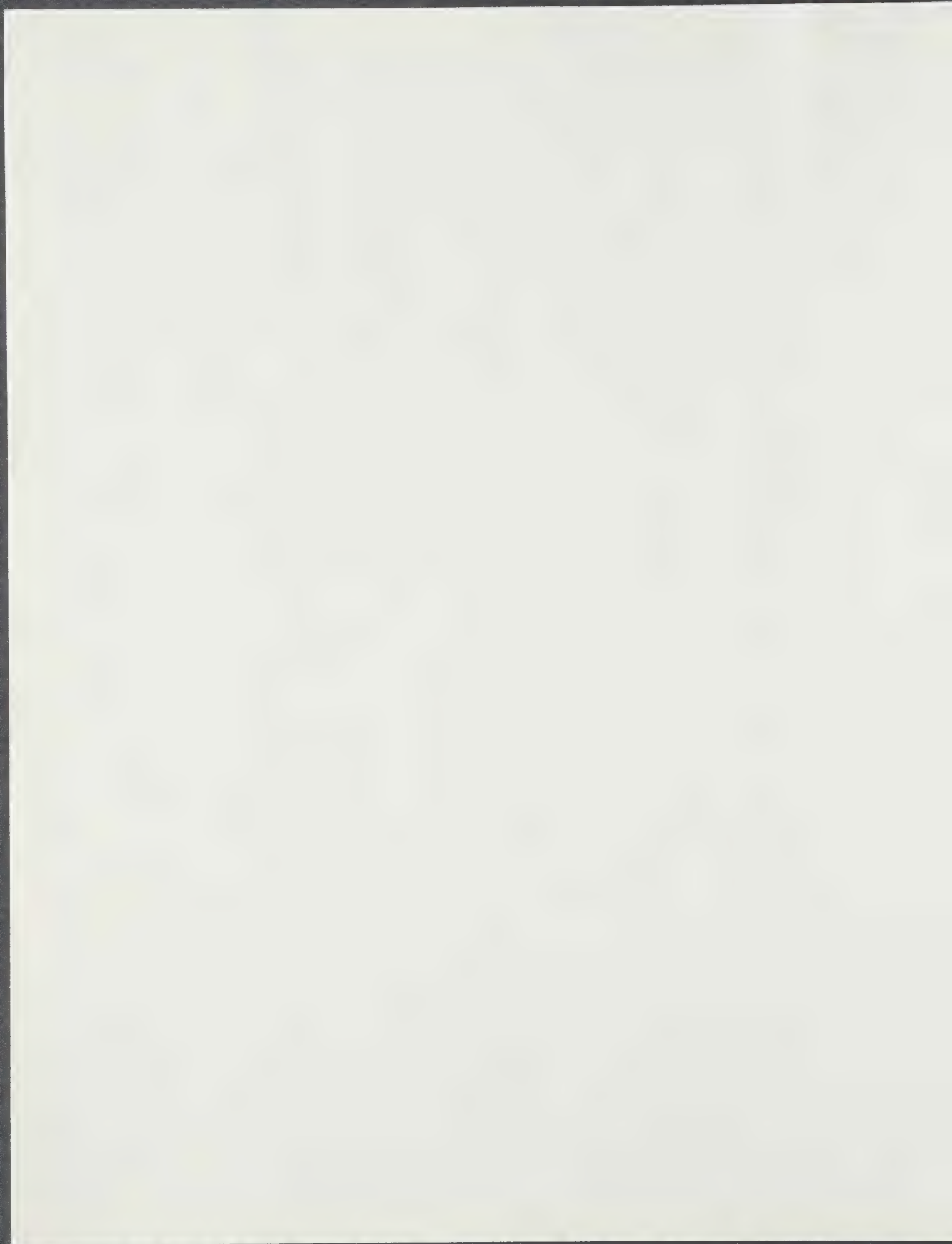
H:

Steven Wade's  
Cafe  
170 Greenfield  
off Morland Rd.



Mr. Albert Dadian, Chemistry, photos

3789 Redwood Circle  
Jale Alto, Ca 94306



# STANFORD UNIVERSITY

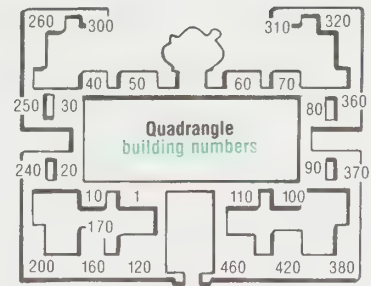


North

- Free TIME LIMIT Parking**  
8 to 5, Monday through Friday
- PAY LOT and/or METER Parking**  
(coins needed except at Medical Center)  
8 to 5, Monday through Friday

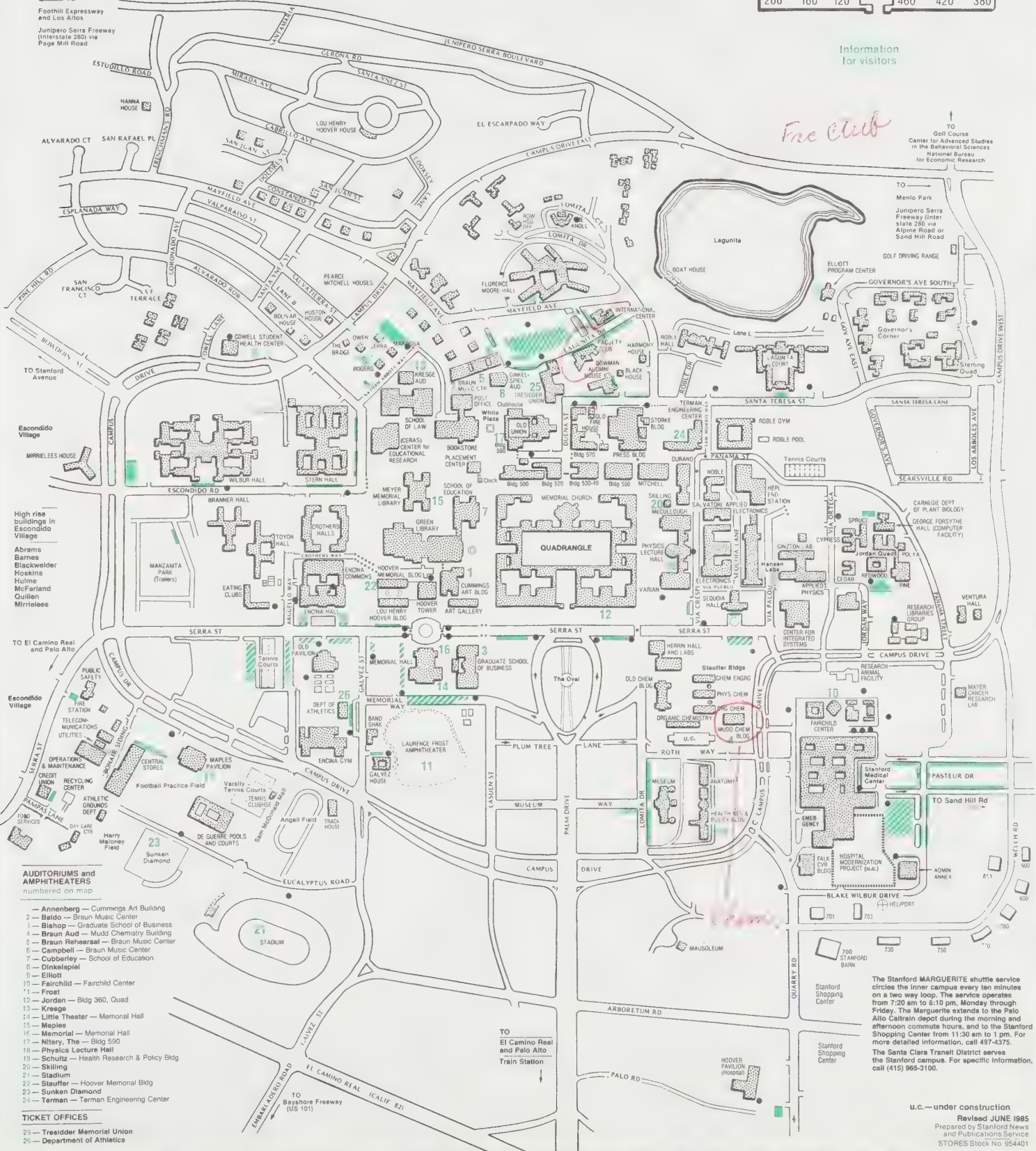
- HANDICAP Parking**  
For use **only** by persons with handicap parking permits.  
Enforced at all hours every day. **\$50 minimum fine** for parking in these zones without proper permit.

Parking permits are required in 'A' and 'C' lots from 8 to 5, Monday through Friday. At other hours, these lots are free and open to the public.



Information for visitors

*Free Club*



### AUDITORIUMS and AMPHITHEATERS

numbered on map

- Annenberg — Cummings Art Building
- 2 — Baldo — Braun Music Center
- 3 — Bishop — Graduate School of Business
- 4 — Braun Aud — Music Chemistry Building
- 5 — Braun Rehearsal — Braun Music Center
- 6 — Campbell — Braun Music Center
- 7 — Cubberley — School of Education
- 8 — Dinkelspiel
- 9 — Elliott
- 10 — Fairchild — Fairchild Center
- 11 — Frost
- 12 — Jordan — Bldg 360, Quad
- 13 — Kresge
- 14 — Little Theater — Memorial Hall
- 15 — Maples
- 16 — Memorial — Memorial Hall
- 17 — Nihery, The — Bldg 590
- 18 — Physics Lecture Hall
- 19 — Schultz — Health Research & Policy Bldg
- 20 — Skilling
- 21 — Stadium
- 22 — Stauffer — Hoover Memorial Bldg
- 23 — Sunken Diamond
- 24 — Terman — Terman Engineering Center

### TICKET OFFICES

- 25 — Treadwell Memorial Union
- 26 — Department of Athletics

The Stanford **MARGUERITE** shuttle service circles the inner campus every ten minutes on a two way loop. The service operates from 7:20 am to 8:10 pm, Monday through Friday. The Marguerite extends to the Palo Alto Caltrain depot during the morning and afternoon commute hours, and to the Stanford Shopping Center from 11:30 am to 1 pm. For more detailed information, call 497-4375. The Santa Clara Transit District serves the Stanford campus. For specific information, call (415) 965-3100.

u.c. — under construction  
Revised JUNE 1985  
Prepared by Stanford News and Publications Service  
STORES Stock No 954401



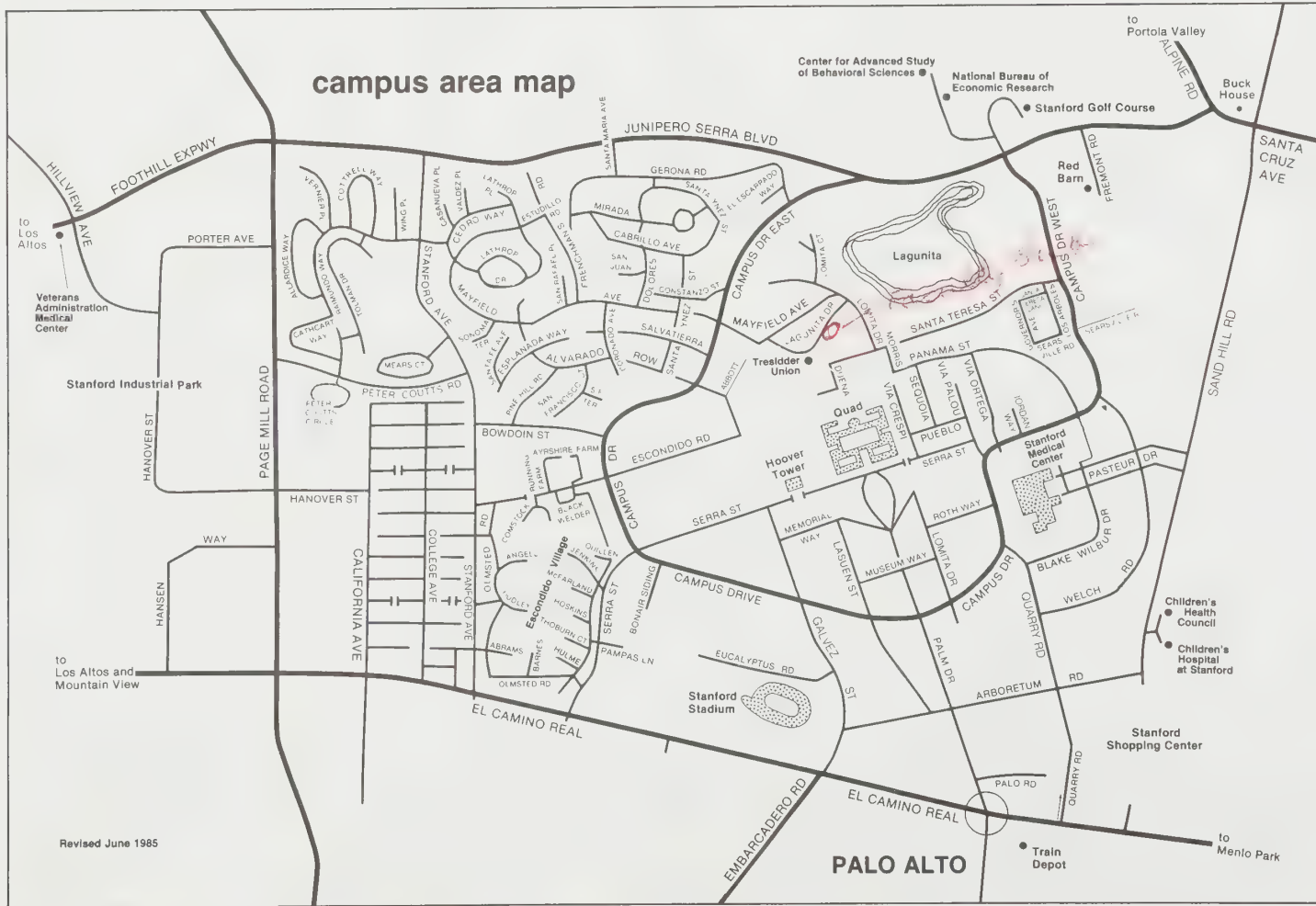
### Approaches to the Stanford campus from freeways 101 and 280

Stanford University is on the "Peninsula," in the county of Santa Clara, approximately 30 miles southeast of San Francisco and 20 miles northwest of San Jose.



North

▲ Location of campus directory





### Approaches to the Stanford campus from freeways 101 and 280

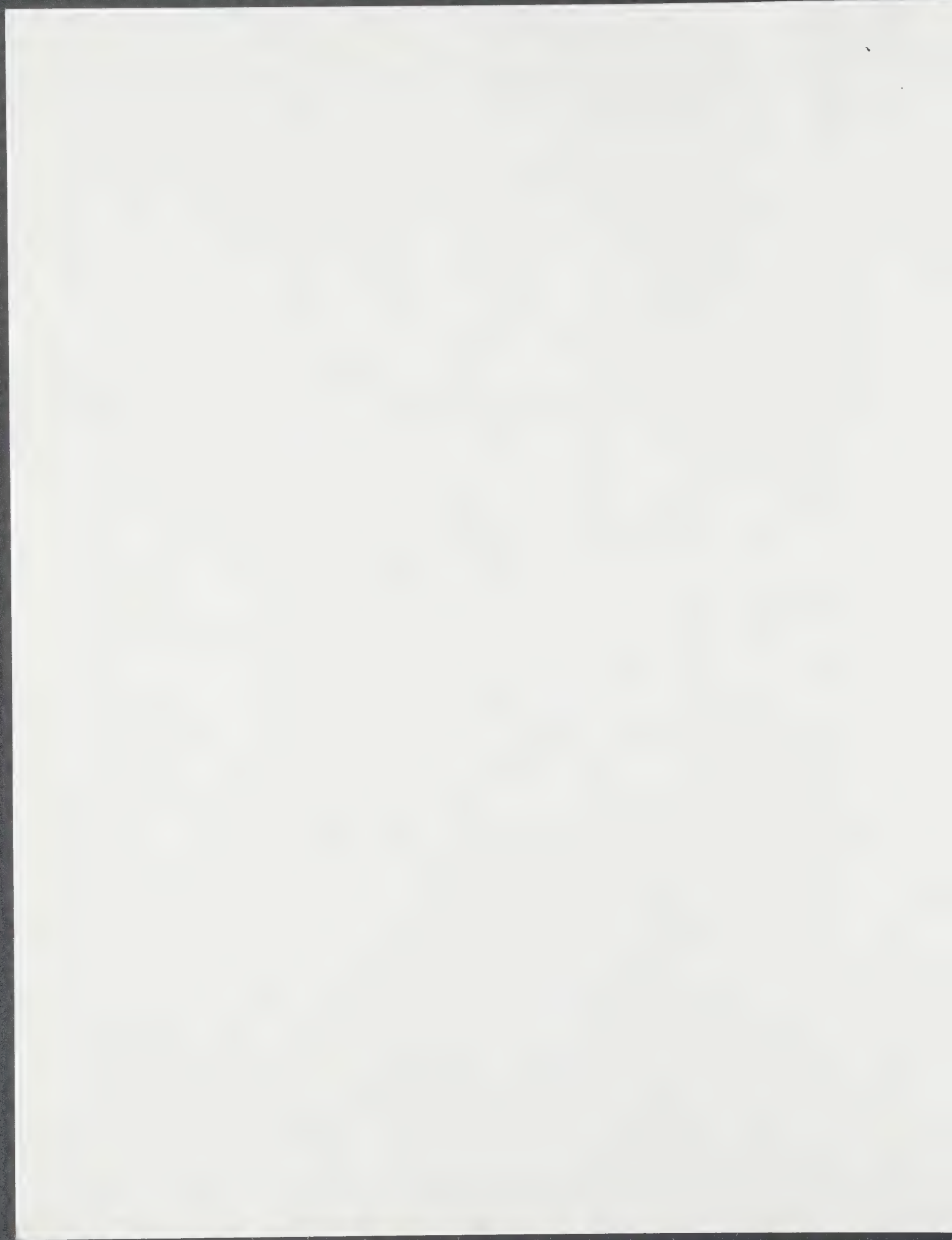
Stanford University is on the "Peninsula," in the county of Santa Clara, approximately 30 miles southeast of San Francisco and 20 miles northwest of San Jose.



North

**Campus Directory**







Dr. Alfred Bader, Chairman  
Aldrich Chemical Company, Inc.  
PO Box 355  
Milwaukee, Wisconsin  
53201

Dear Alfred,

I am pleased that you will be able to visit us. I am enclosing a map of the area, with the route from San Francisco shown thereon. The drive will take about an hour and a quarter from downtown San Francisco, and will, I believe, be quite enjoyable; some of the views of the north San Francisco Bay (actually San ~~Pedro~~ Bay) are very spectacular.

P 6/0

I have indicated on the map by the green line, the best way to get to our house. You will be going north on Highway 101 through Marin County. About 20 miles north of the toll booths at the Golden Gate Bridge, you should turn right onto Highway 37. There will be signs saying Sonoma, Sacramento, or Vallejo. About 6 miles from that turn, will be another intersection with signs directing you to Sonoma and Napa. There is a stop light there; you should turn left onto Highway 121.

Go an additional 6 miles; there is a small sign indicating the direction to Glen Ellen. The road divides; you should "bear" to the left; then a flashing red stop light. Continue for 8 miles on "Arnold Drive". That will bring you to Madrone Road, where you turn right. Go one (short) block, turn right onto Glenwood Dr. We are the fourth house on the right, white with maroon trim.

In any event, if there are any problems, please call me (707-996-8621). We will expect you sometime late in the morning.

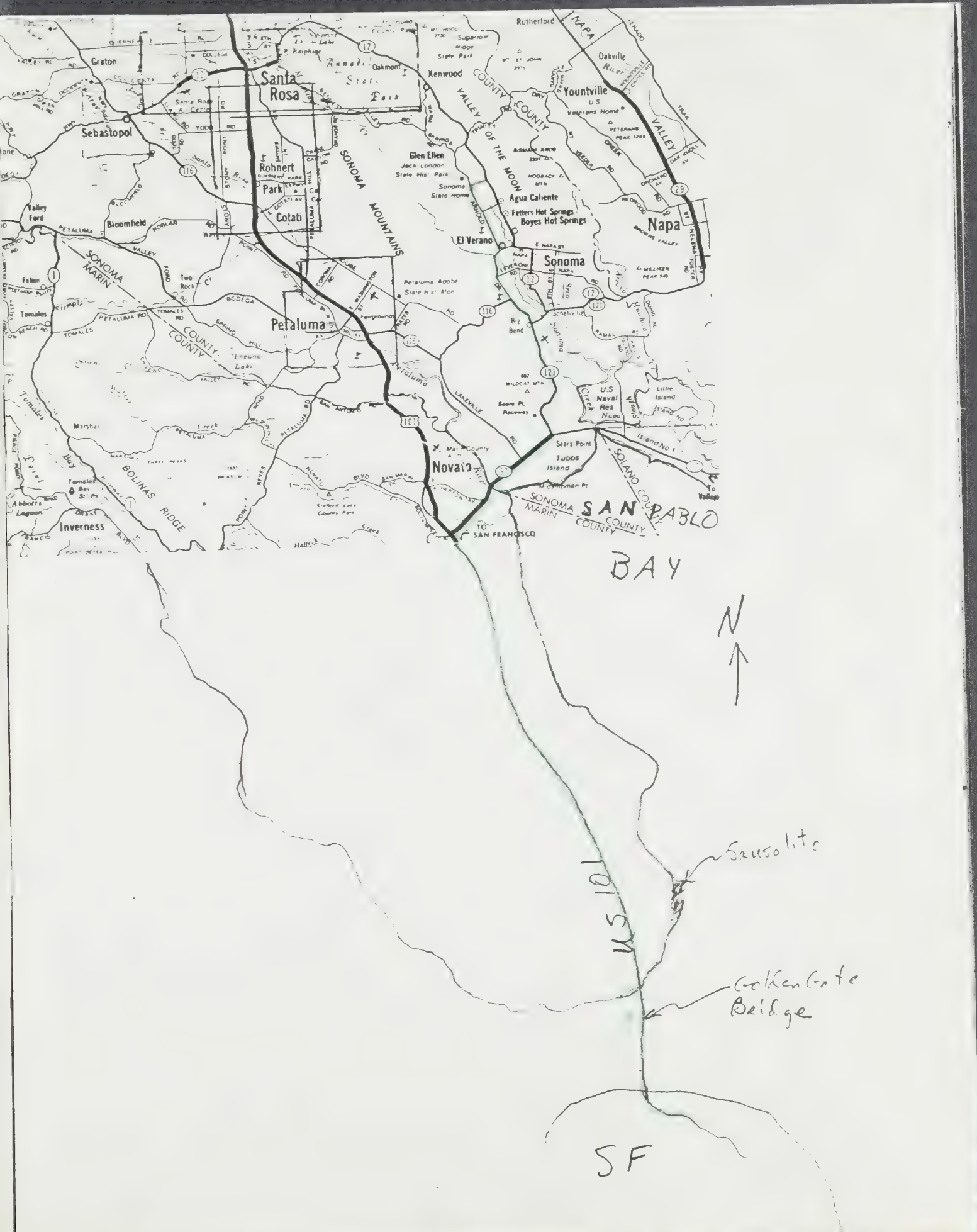
Sincerely,



Feb. 25, 1984

George Ellman  
976 Glenwood Dr.  
Sonoma, CA, 95476





Santa Rosa

Rohnert Park

Cotati

Petaluma

Novato

Sonoma

Napa

BAY

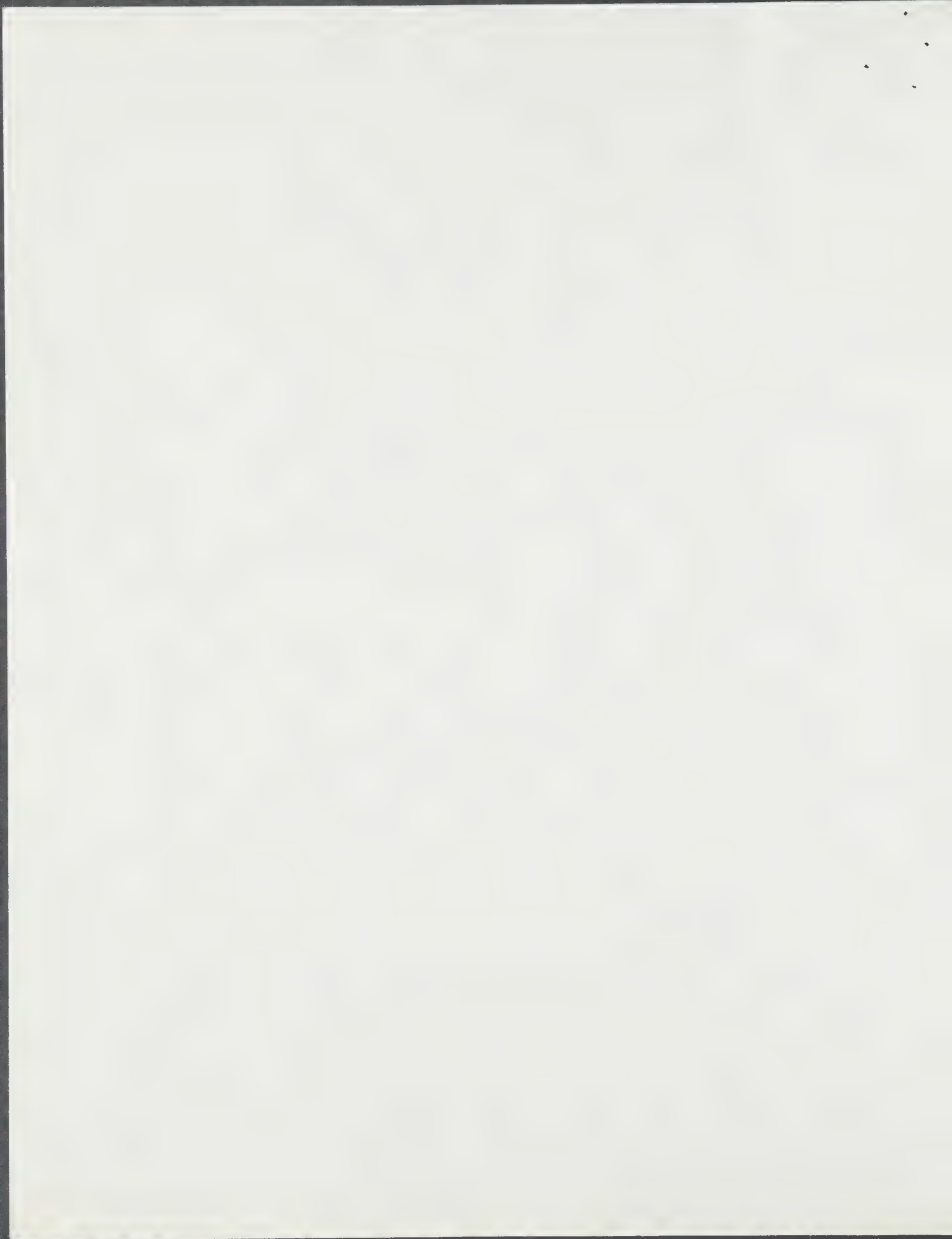


15 SM

Sausalito

Golden Gate Bridge

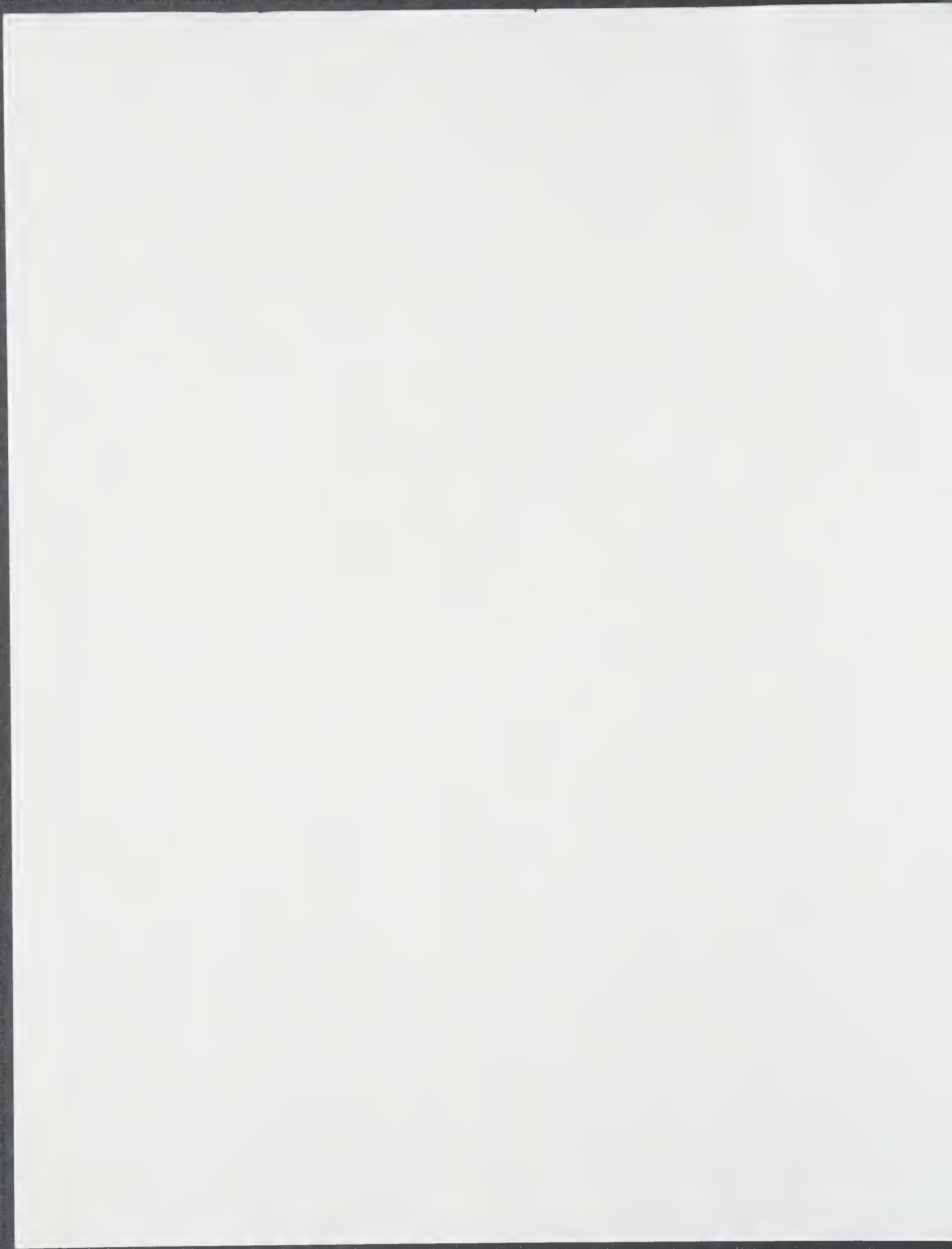
SF



*Indicates  
parenting  
to Museum  
at 1000  
1000 1000 1000*

Norby Gallery  
3312 Via Lido  
Newport Beach, CA 92663  
714-675-5339

Cornell Norby



TELEPHONE CONVERSATION SUMMARY

Aldrich Chemical Company, Inc.

TO: AB

DATE: 1-22-92

Aldrich employee placing call M. Haesmann  
receiving

Person called Joshua Duberman  
calling Title

Company name and address: Home 510 581 7566 (ans. mach.)

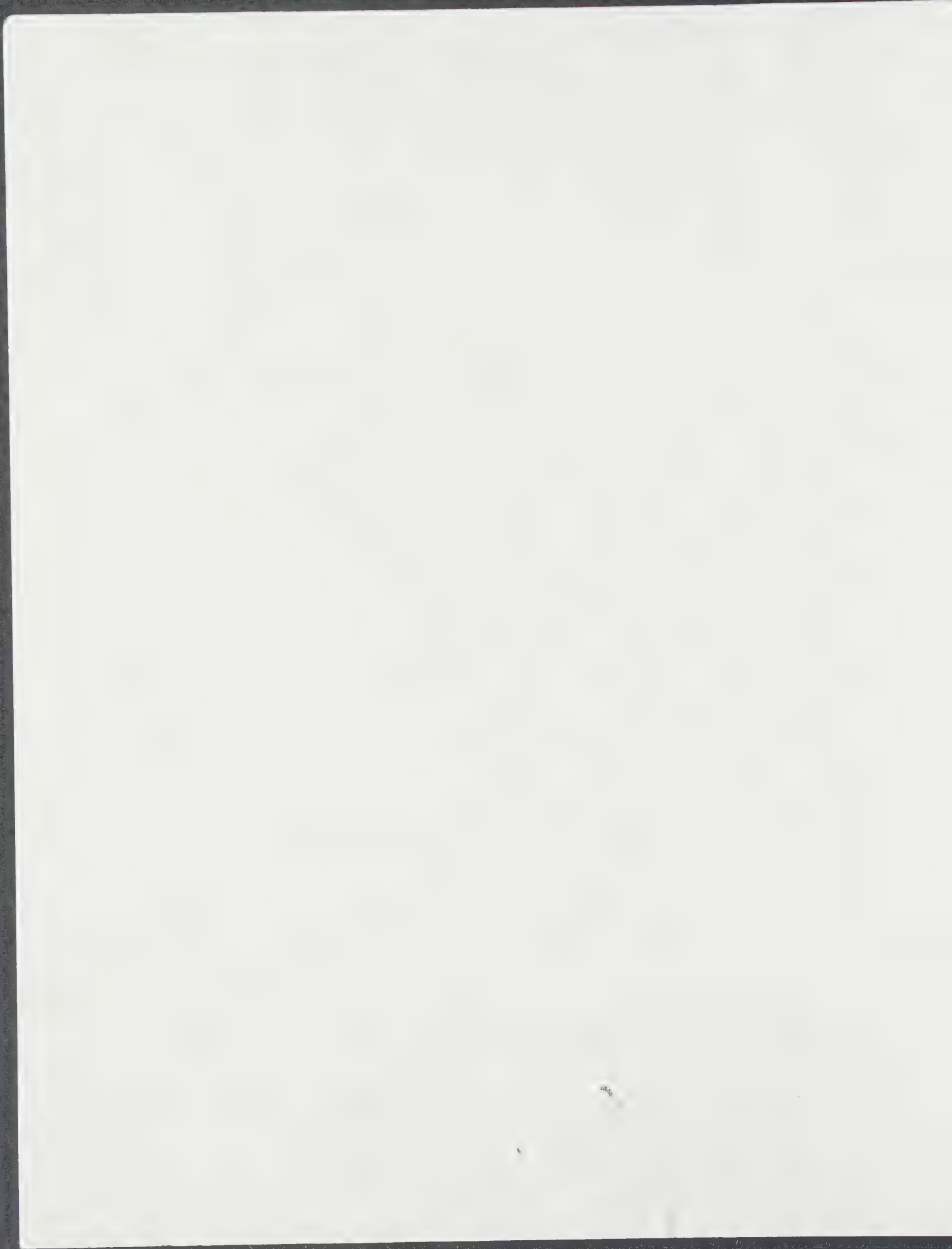
Telephone number: SRI 415 326 6200

Message: (use back or additional sheets)

Will try to hear talk on 6<sup>th</sup>;  
will try to leave message at motel;  
you can reach him (2 H's above)  
Looks forward to seeing you.

Follow Up: (indicate action and use back or additional sheets)

Note: Telyton #s above correct  
at end of Jan. some 415's will  
become 510 area code.





STANFORD UNIVERSITY *Trust 723-3385*  
Stanford, CA 94305

Prof. Eugene van Tamelen, 415-723-4770  
941-2536

Prof. Harry Mosher (Carol) 723-9829

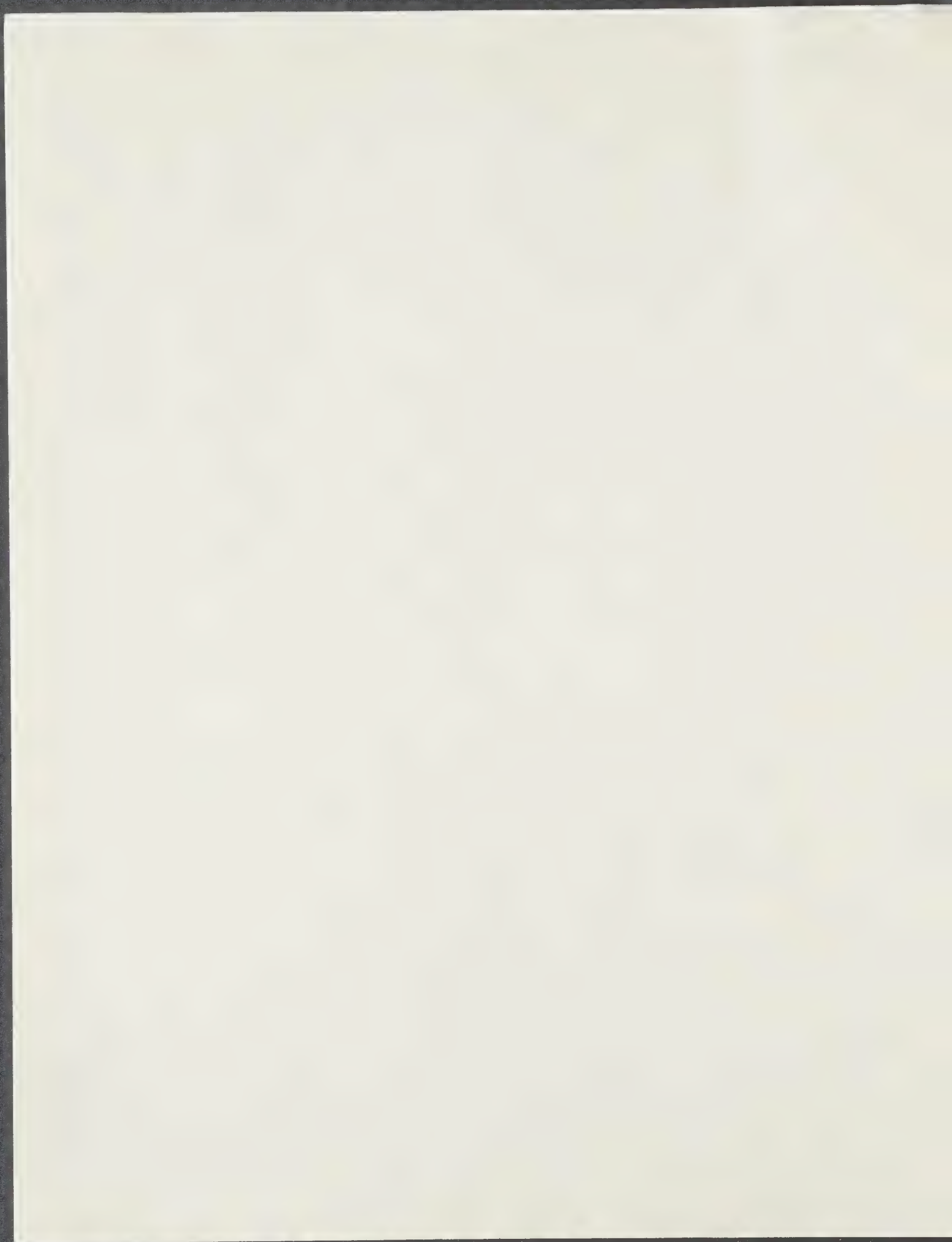
Prof. Carl Djerassi 723-2783

Prof. Paul A. Wender 723-0208

Prof. John Frost 723-9541

Prof. Hardon McConnell 723-4571

*Margaret W.  
McCaleb*



SFC

October 30, 1975

Dr. Joseph Armstrong Baird, Jr.  
The North Point Gallery  
872 North Point Street  
San Francisco, Ca 94109

Dear Dr. Baird:

Thank you for your thoughtful letter of October 10th.

The painting by Balthazar van den Bosch looks very handsome and the subject really charming. However, it seems to me that a price of \$8000 for an 18th century painting is rather high.

I plan to be in San Francisco this winter and will then take the liberty of calling you to see whether a visit to look at the painting would be convenient.

Best personal regards.

Sincerely yours,

Alfred Bader

AB:ls



DR. JOSEPH ARMSTRONG BAIRD, JR.  
ART CONSULTATION

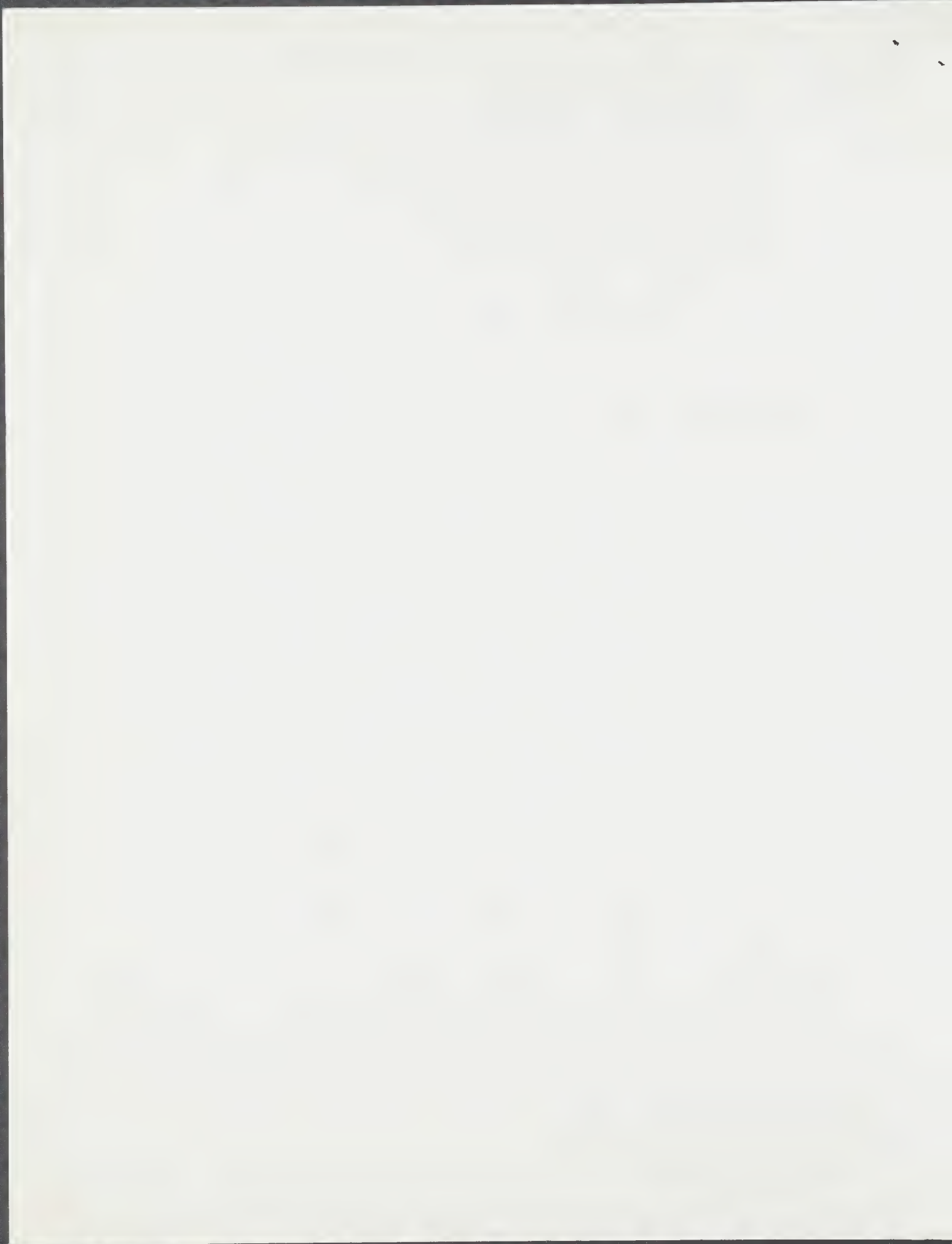
Oct. 10, 1975

Dear Dr. Bader,

Have you any interest in a  
good oil painting by Balthazar  
van den Bosch (The Younger), 1675/81-  
1715? I enclose a color photo. The  
painting's frame is delicate, so it cannot  
be sent to you. Should you care  
this way soon, I could show it to  
you with pleasure. The net price to  
you would be \$5000. If you have no  
interest, please return the photo.

Sincerely,

Joseph Baird



570

Dear Bader,

Did I give a false impression?  
Only unbeautiful parts of your catalog  
are govt. related. Keep politics out  
of science - everybody's happier.

TEX can help even those who put  
out good stuff. It sidesteps middleman  
mistakes and limitations. It is, though,  
pretty much math 'oriented,' as they say.

Knuth was applauded upon saying that  
now he can write  $\sqrt{x}$  when he wants, and  
not have to follow printers' demands  
to use  $x^{1/2}$  instead.

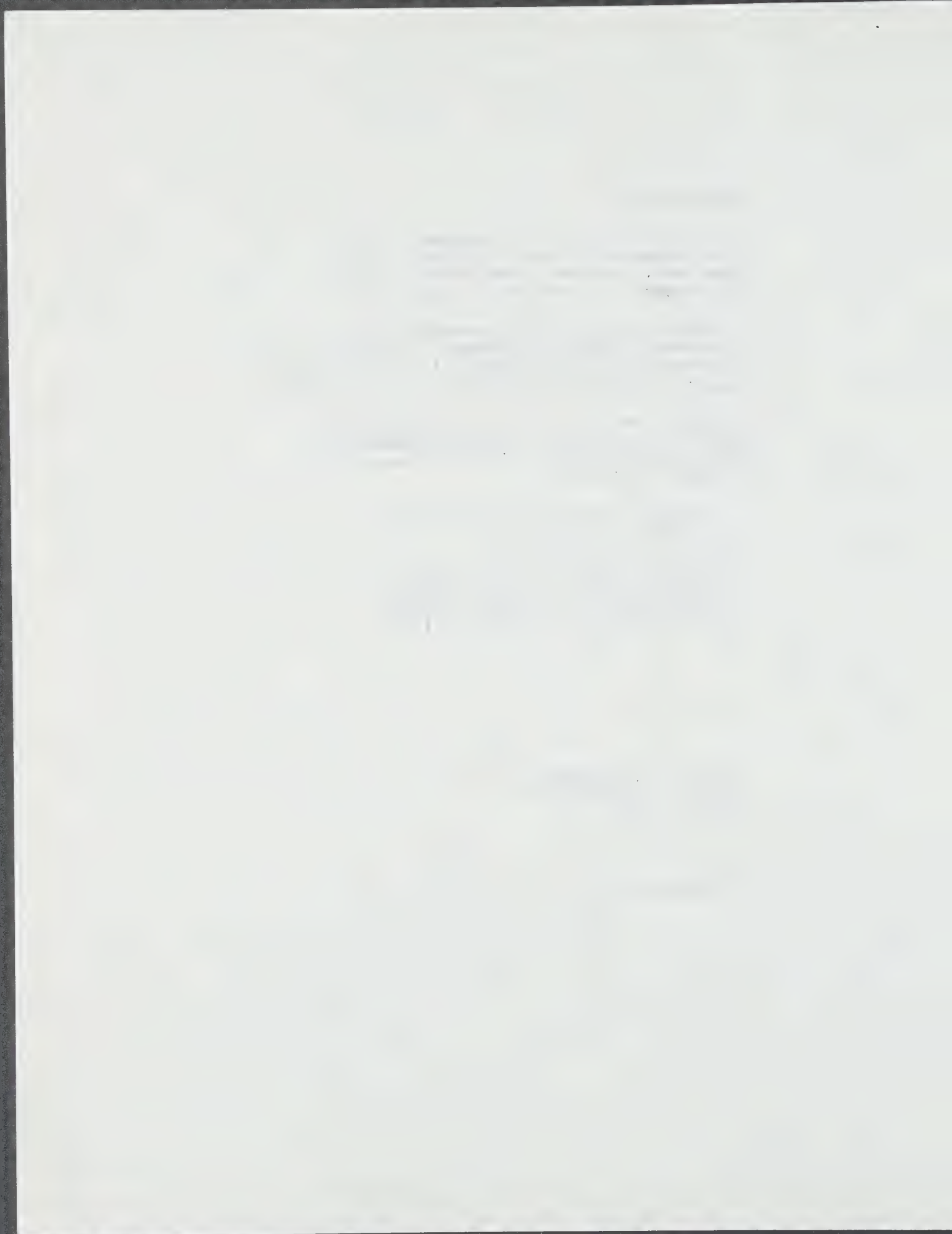
Thanks for "PLEASE BOTHER US" -  
I am nodding in assent.

In your travels you can enjoy  
sunday mornings at mosaic law shul.  
We davan, eat, and discuss Torah.  
That's a minimal description!

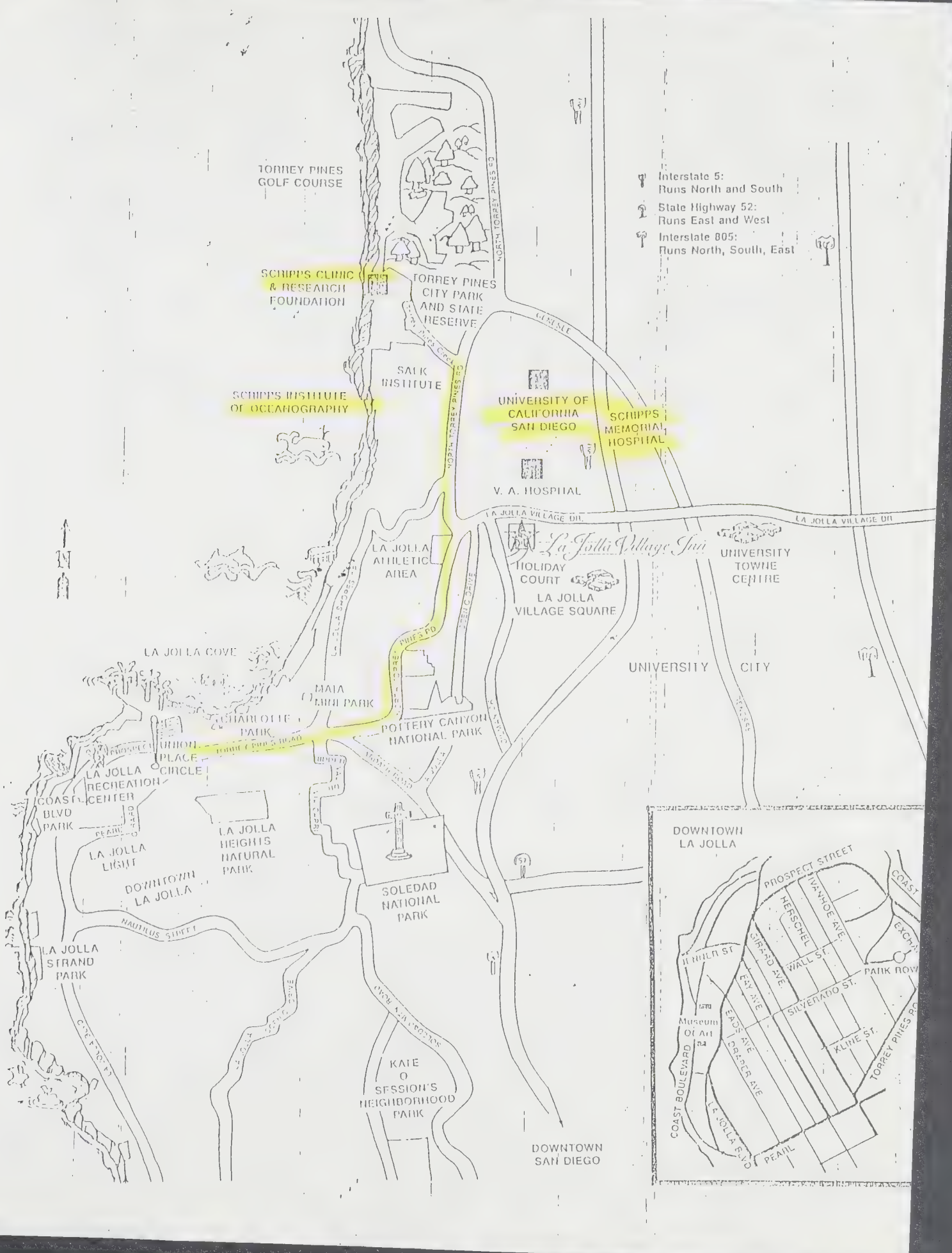
*Charles*




Charlie Williamson  
box 7177 sacramento  
calif 95826

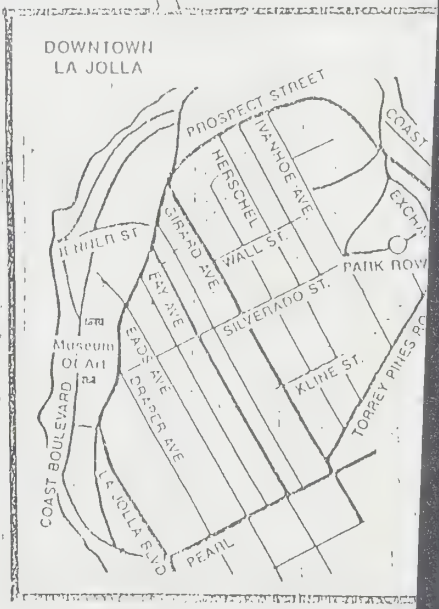
8 october 1980







-  Interstate 5:  
Runs North and South
-  State Highway 52:  
Runs East and West
-  Interstate 805:  
Runs North, South, East



TORREY PINES GOLF COURSE

SCRIPPS CLINIC & RESEARCH FOUNDATION

SCRIPPS INSTITUTE OF OCEANOGRAPHY

TORREY PINES CITY PARK AND STATE RESERVE

SALK INSTITUTE

UNIVERSITY OF CALIFORNIA SAN DIEGO

SCRIPPS MEMORIAL HOSPITAL

V. A. HOSPITAL

LA JOLLA ATHLETIC AREA

La Jolla Village Inn  
HOLIDAY COURT  
LA JOLLA VILLAGE SQUARE

UNIVERSITY TOWNE CENTRE

LA JOLLA COVE

MAIA PARK

POTTERY CANYON NATIONAL PARK

UNIVERSITY CITY

LA JOLLA RECREATION CENTER

LA JOLLA HEIGHTS NATURAL PARK

SOLEDAD NATIONAL PARK

LA JOLLA LIGHT

DOWNTOWN LA JOLLA

LA JOLLA STRAND PARK

KATE O'SSESSION'S NEIGHBORHOOD PARK

DOWNTOWN SAN DIEGO

VISIONS RESTAURANT SHOOTERS LOUNGE	4	FRONT DESK LOBBY
COAST BALLROOM	3	SALES AND CATERING OFFICE
VILLAGE BALLROOM SOPHRO ROOM TORREY ROOM UNIVERSITY ROOM EXECUTIVE ROOM	2	EXECUTIVE OFFICES
LOWER PARKING	1	GREAT PACIFIC HOTELS CORP. OFFICES

DIRECTORY

DIRECTORY

D

SNACKS

A

PARKING

PARKING

PARKING

PARKING

627	625	623	621	619	617	615	613	611	609	607	605	603	601
527	525	523	521	519	517	515	513	511	509	507	505	503	501
525	524	522	520	518	516	514	512	510	508	506	504	502	500

ICE SODAS

427	425	422	421	419	417	415	413	411	409	407	405	403	401
327	325	323	321	319	317	315	313	311	309	307	305	303	301
429	424	422	420	418	416	414	412	410	408	406	404	402	400
325	324	320	318	316	314	312	310	308	306	304	302	300	298

SNACKS

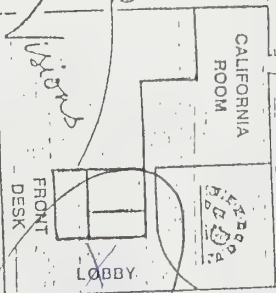
826	824	822	820	818	816	814	812	810	808	806	804	802	800
726	724	722	720	718	716	714	712	710	708	706	704	702	700
827	825	823	821	819	817	815	813	811	809	807	805	803	801
727	725	723	721	719	717	715	713	711	709	707	705	703	701

ICE SODAS

100	102	104	106	108	110	112	114	116
200	202	204	206	208	210	212	214	216
101	105	107	109	111	113	115	117	
201	203	205	207	209	211	213	215	217

9299 Holiday Court, La Jolla, California 92037 • (619) 453-5500

*La Jolla Village Inn*



PARKING

PARKING

San Fernando Mission, B-6  
 Scripps Institution of Oceanography (San Diego), K-22  
 Sea World, M-22  
 Snow Valley Ski Area, C-26  
 South Coast Botanical Gardens, K-8  
 Southwest Museum, E-10  
 Will Rogers State Historic Park, F-5

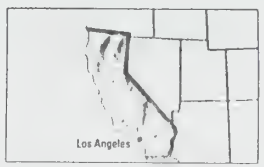
Explanation of Symbols

- Free Limited-Access Highways
- Toll Limited-Access Highways
- Other Four-Lane Divided Highways
- Principal Highways
- Other Through Highways
- Other Roads

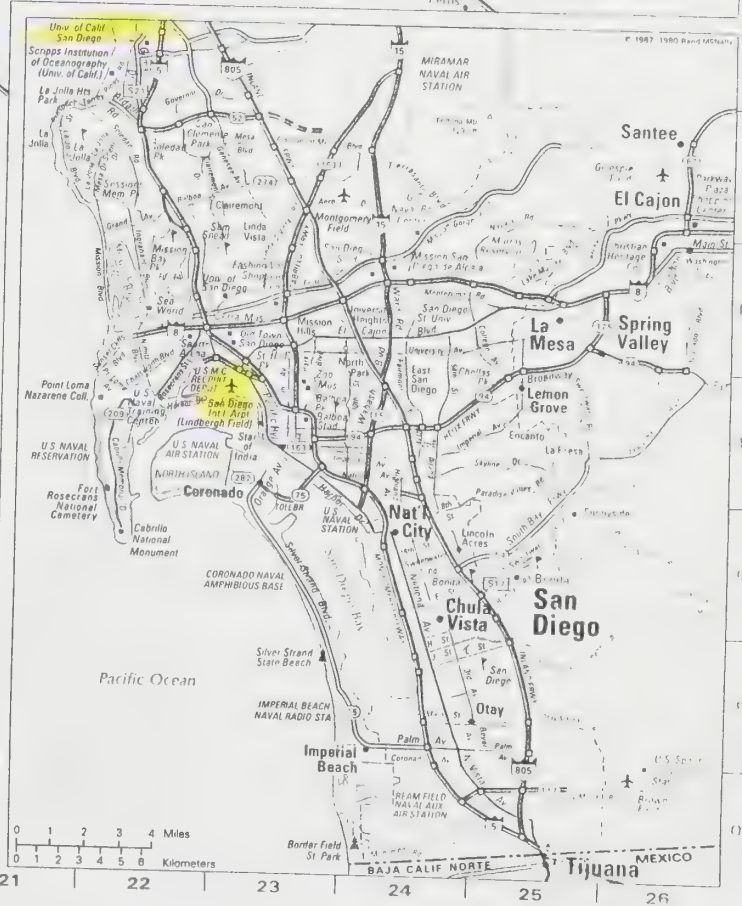
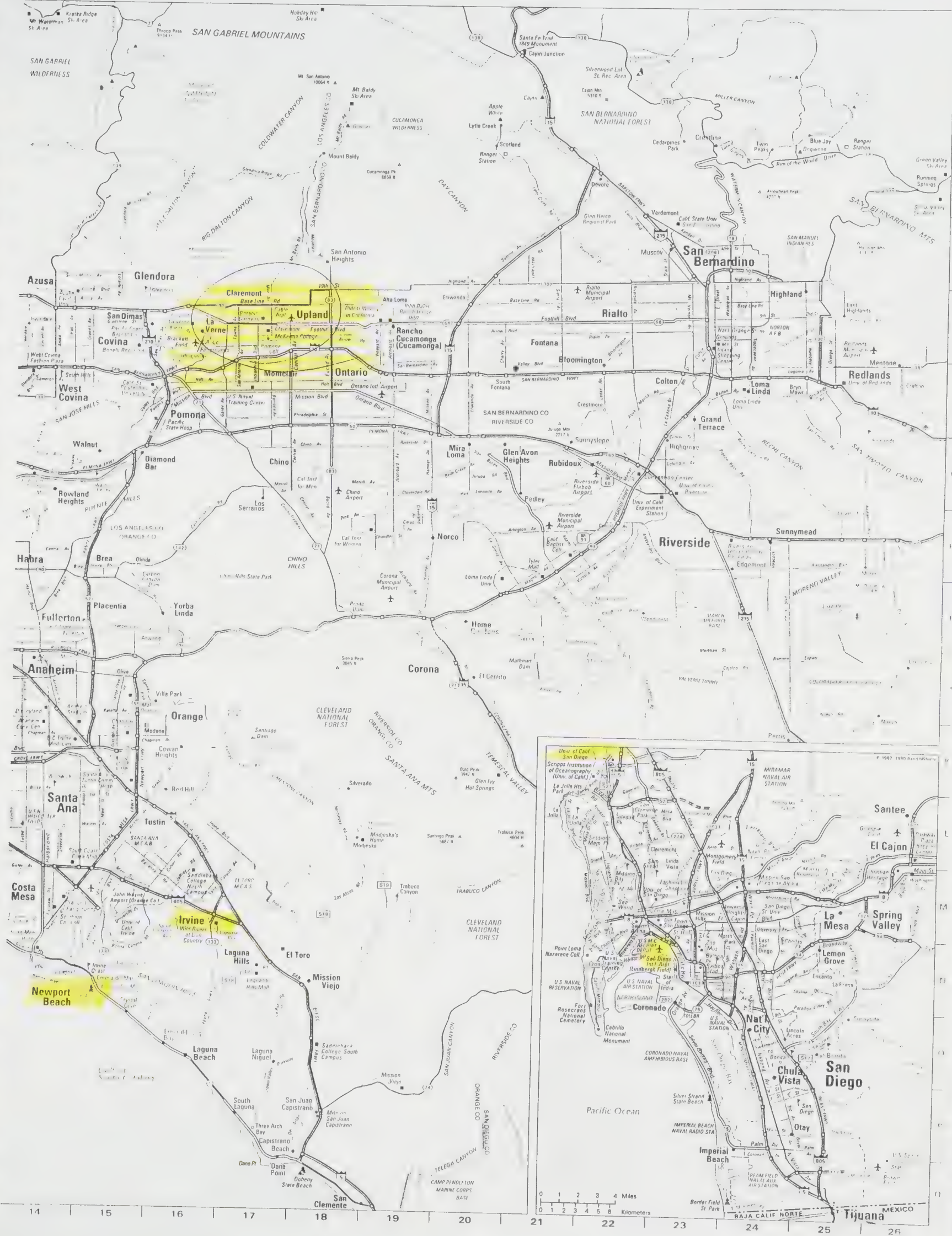
How to Determine Distance



For explanation of all map symbols, see pg. 1, Index of counties and towns, page 120



Greater Los Angeles Visitors & Convention Bureau  
 505 S. Flower St., Arco Plaza, Level "B"  
 Los Angeles, CA 90071 (213) 624-7300  
 Inlay page 120





**Parking:**  
Parking permits required except in metered spaces.

**Parking meters:** ●

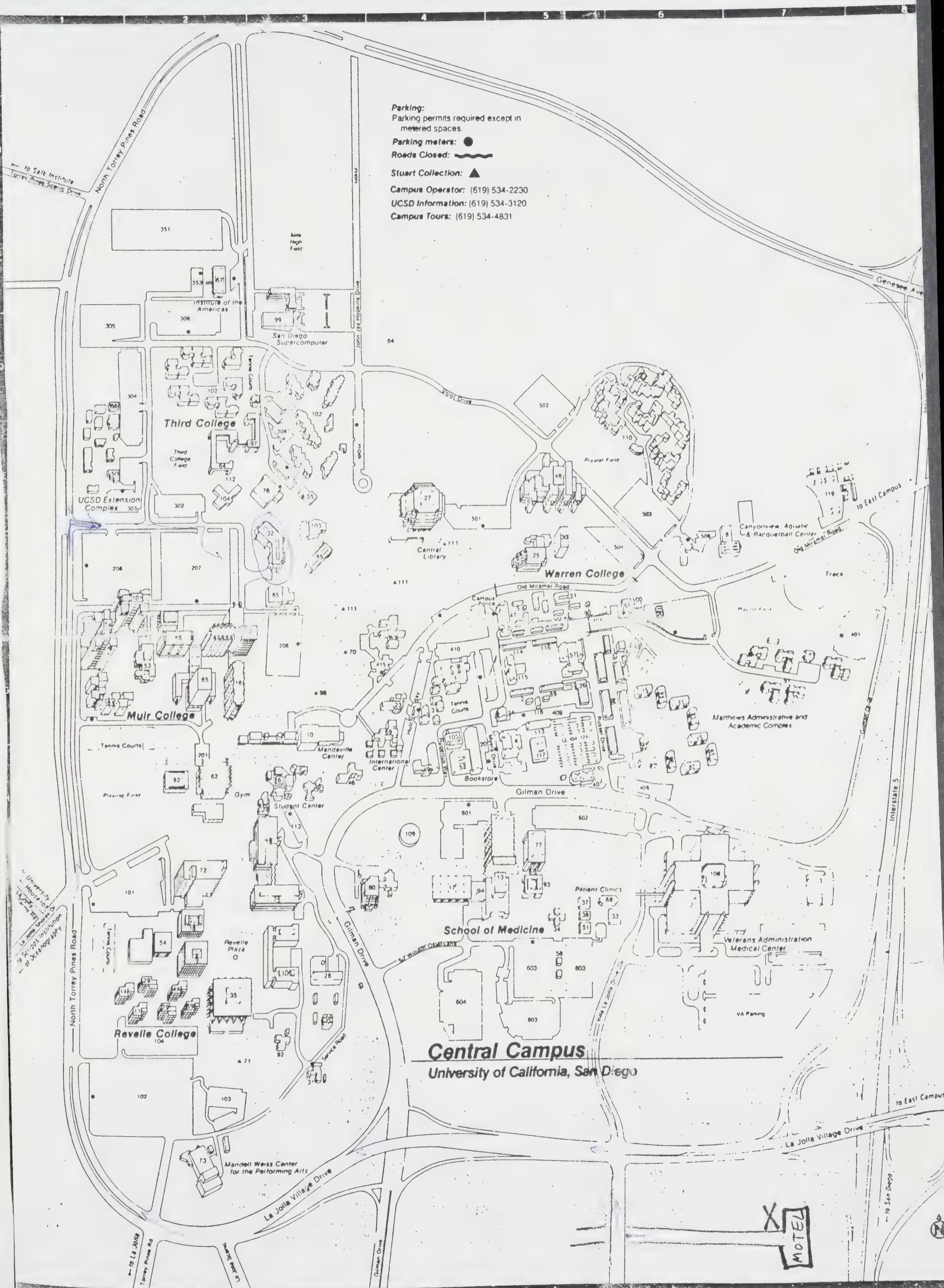
**Roads Closed:** ~~~~~

**Stuart Collection:** ▲

**Campus Operator:** (619) 534-2230

**UCSD Information:** (619) 534-3120

**Campus Tours:** (619) 534-4831





Dr. Alfred Bader  
Chairman Emeritus



January 29, 1992

Mr. Roy Eddleman  
417 Amapola Lane  
Los Angeles, California 90077

Dear Mr. Eddleman:

Thank you for your kind invitation for dinner on Monday, February 3.

However, your invitation does not give a telephone number and your number is unlisted. Could I impose on you to call me this Saturday evening, February 1, between 9 and 10 p.m. to discuss our visit. We will be staying at the Hyatt Newporter Resort in Newport Beach, telephone 714 729 1234.

Best personal regards.

Sincerely,

Alfred Bader

**SIGMA-ALDRICH**

---

P.O. Box 355 Milwaukee Wisconsin 53201 USA Telephone (414) 273-3850 Cable Aldrichem TWX 910-262-3052 Telex 26-843





The J. Paul Getty Museum  
P.O. Box 2112  
Santa Monica, CA 90406

(mail)

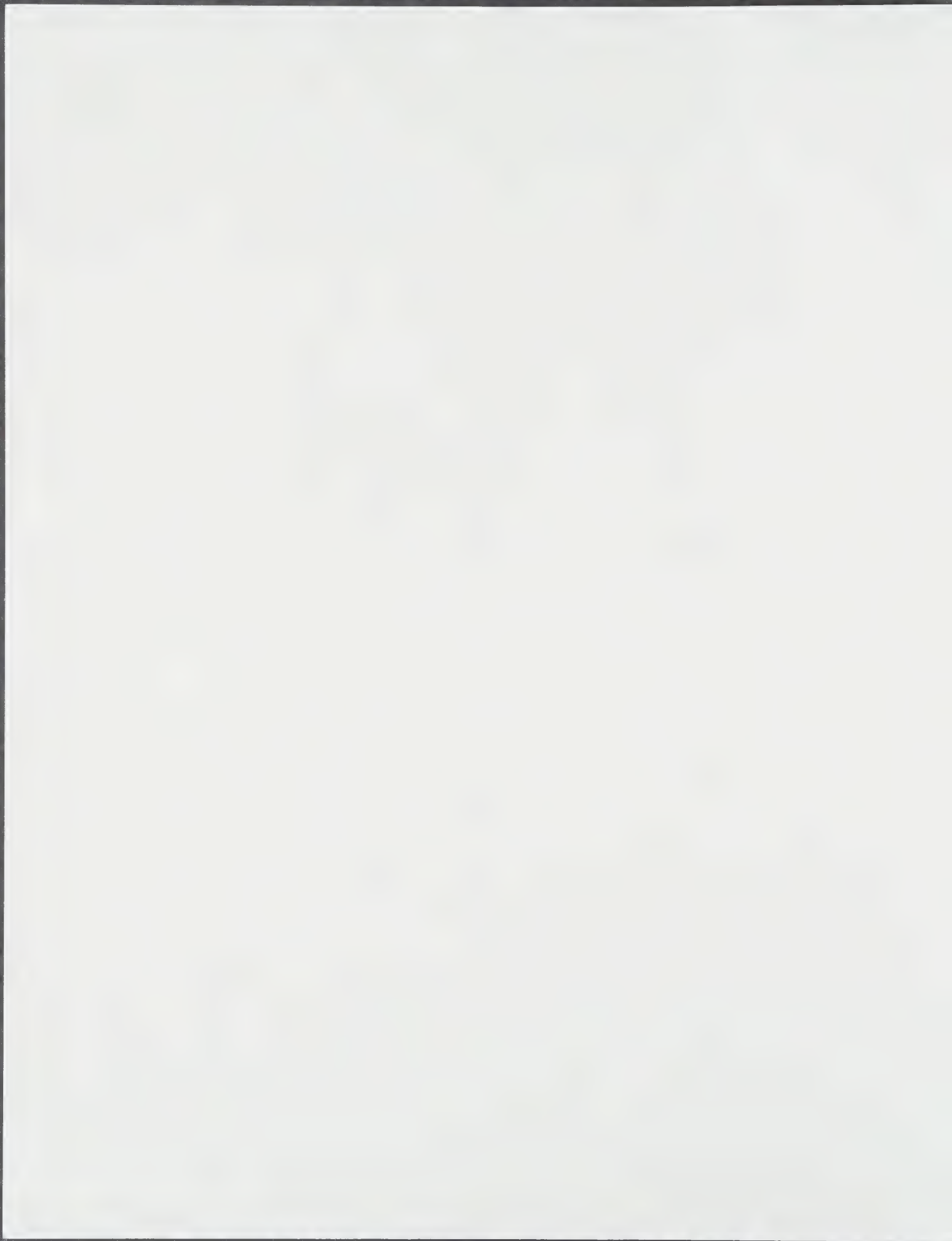
Dr. John Walsh, Director

17985 Pacific Coast Hwy.  
Malibu, CA 90265

or

~~310 459 7611~~  
310 459 7611

310-459 7611



# Saint Mary's College of California

to all to whom these Letters shall come, Greeting

The Trustees of Saint Mary's College of California on the recommendation of the College Faculty and by virtue of the power vested in them by the State of California have conferred on

**Michael R. Moore**

who has satisfactorily pursued the Studies and taken the Examinations prescribed therefore the Degree of

**Bachelor of Science in Economics and Business Administration**  
with all Rights, Privileges and Honors thereto appertaining

Given at St. Mary's College, this twenty-third day of May, in the Year of

Our Lord nineteen hundred eighty-one

Summa Cum Laude



*Robert McClellan*  
President of the College

*Sam Butler*  
Chairman of the Board of Trustees

Chairman of the Board of Trustees

de yens

Williams 1656 1941.5

Garret Bolinas, BAY

Paul Koenig

Forest 43.9.2 Costa

Eckhardt

84 Park Sealings Lane 477  
477

Bel

(Crawling of d. hills  
1937 S  
Green, stachans  
too long

654-660  
wings #  
sfo  
Jan

St. Mary's College

MORAGA (WALNUT CREEK)

California

For 105 Parkside Dr

3 pm Michael B. Kovac

c/o Dr. Andrew L. DeGale

72, Gravatt Drive

BERKELEY, CA 94705

Phone: (415) 848-7641

near Fremont  
Jan 1971

(Ethern: Helga u. Joltau Szabo  
WIEN)

Broodwing  
Levie Drive

New 474 3000 EFX 3 up

Iguano V. Klitzing 765 2122

ilr Price 9357040

san carlos F 30 (L)

die Ceres

Los Altos

*A top venture capitalist may not understand everything about his entrepreneur's business, but he does understand people.*

# A WINNING BET

By Thomas P. Murphy



"I still don't understand what you are trying to do, but I know there is something there."

With those words, Tommy Davis, dean of Silicon Valley's venture capitalists, launched two improbable partners in a high-risk-for-very-high-gain venture. The partners are a nice Jewish boy from Quito, Ecuador whose name is Ricardo B. Levy and a self-described Sicilian from Newark, N.J. named James A. Cusumano. The venture is called Catalytica Associates, Inc.

What will Catalytica do? I sympathize with Davis' frustration, but let me try to explain.

Levy, 39, and Cusumano, 42, both Ph.D. chemists (Stanford and Rutgers, respectively), believe that the world's chemical industry is on the brink of a revolution. Chemical process development, where Catalytica will concentrate, has always been based primarily on Edisonian research—if one thing doesn't work, try another. Edison experimented with thousands of different materials before he happened upon tungsten to make the filament for the electric light bulb. The world's chemical laboratories still proceed with a not too dissimilar approach.

Levy and Cusumano think they can leapfrog this expensive and unpredictable process and take chemi-

cal research into what they call "molecular engineering." They think they can do this because, on a molecular level, both the theoretical understanding and the instrumentation are becoming available, just as a decade earlier theory and new instrumentation converged to create the biotechnology industry.

Specifically, they are going after new catalysts for existing processes. Catalysts are the materials that create chemical reactions—the key to the rest of the process. According to Cusumano, they are looking for "knock out" economics. They want to develop catalysts that are so superior they economically obsolete whole plants and, coincidentally, send the big companies beating a path to Catalytica's Mountain View, Calif. door.

None of this comes as startling news to researchers in the industry itself. In fact, Levy and Cusumano were both working at Exxon's big central research laboratory in New Jersey when one of them detected an entrepreneurial glint in the eye of the other. They quit Exxon and, in collaboration with Michele Boudart, professor of chemical engineering at Stanford, set up a consulting business in 1974. It was pleasantly successful, and by 1980 the firm had 30 people and had finished 200 jobs all over the world.

But solving other people's problems wasn't where it was at for Levy and Cusumano. The trouble was, where it was at was going to cost a lot of money. Enter Tommy Davis, founder of the Mayfield Fund of Palo Alto, Calif. But not directly. The introduction was arranged by one of Catalytica's board members, Paul Cook, who is founder and chairman of Raychem Corp. In fact, part of Catalytica's remarkable ability to raise money for a complicated

and high-risk venture was the quality of its advisers, including four professors from Stanford. One, Henry Taube, is a 1983 Nobel Prize winner in chemistry.

Tommy Davis, then, had more to go on than the word of two conspicuously bright and eager men. Part of the chemistry establishment was firmly endorsing the people and their ideas when Davis agreed to back the new business. Eventually, along with Rothschild Inc. in New York, Davis invested about \$3 million in 1983 and then, a couple of months ago, \$2 million more in venture money, and up to \$20 million more in a complicated joint venture arrangement with Lubrizol Enterprises, Inc.

What happens now? According to Cusumano, the financings buy Catalytica four to five years of running time. They are not dismissing lightly the technical problems they face.

Meantime, staff is growing. There are 50 people, half with Ph.D.s, and new instrumentation is on the way. A nuclear magnetic resonance spectrometer (try saying that four times without stuttering) is coming. That hardware, to put what things cost in perspective, is \$500,000.

What about competition? There is none, as far as Cusumano knows, from small companies. The big laboratories are on the same trail, but the two partners both have big lab experience and, in typical Silicon Valley fashion, believe they can beat them. Big labs are hobbled, they say, by bureaucracy, and the scientists working in them lack the incentive—the chance to make a lot of money.

What will they have if they succeed in developing some knockout, quality new catalysts? Patents, primarily. In the electronics industry having only patents would scare a venture capitalist half to death. The chemical industry is different. Historically, patents have been upheld by the courts, and the industry has a reputation of really paying royalties for the use of them. Beyond that, the leverage of knockout improvement is awesome. Many chemical plants are \$100 million-plus capital investments. Imagine replacing a few of those.

It wouldn't be the first time Tommy Davis had won by basically betting on people. ■

*Thomas P. Murphy heads a venture capital firm, Partnership Dankist, Stamford, Conn.*

# CORPORATE REPORT Updates

A SPECIAL FORBES ADVERTISING SERVICE FOR INVESTORS AND THE FINANCIAL COMMUNITY

N New York Stock Exchange

A American Stock Exchange

O Over-the-Counter

P Pacific Stock Exchange

## AFFILIATED PUBLICATIONS INC. A

BOSTON, Dec. 6—Affiliated Publications Inc. (AMEX:AFP) announced today that its board of directors has approved a 3-for-2 stock split, effective in the form of a 50 percent stock dividend.

The stock dividend, the third since Affiliated went public in 1973, will be payable Jan. 25, 1985, to shareholders of record on Dec. 28, 1984.

Shareholders who would otherwise receive a half share as a result of the stock dividend will receive a cash settlement based on the fair market value of the stock on the record date, adjusted for the dividend.

William O. Taylor, chairman of the board, said that the stock split will increase the number of outstanding common shares from approximately 8.1 million to over 12 million, and raise the effective trading float to over 3 million.

The directors also voted to raise the quarterly dividend adjusted for the stock split from 13 3/4 to 15 cents per share per quarter, payable on March 1, 1985, to shareholders of record on Feb. 14. This represents the 12-consecutive yearly dividend increase since Affiliated went public in 1973.

Issuance of the new stock certificates and payment of the cash dividend will be handled by State Street Bank and Trust Co., Boston, transfer agent for Affiliated.

Affiliated Publications is the parent company of Globe Newspaper Co., publisher of The Boston Globe. Through its wholly-owned subsidiary, Affiliated Broadcasting Inc., Affiliated owns and operated 10 radio stations located throughout the United States.

Affiliated Publications owns 45 percent of the common stock of McCaw Communications Cos., which operates cable-television and radio common carrier systems in the states of Alaska, Idaho, Oregon, Washington, Texas, Mississippi, New Mexico, and Missouri.

Affiliated also has a joint venture with McCaw in cable television systems in southern Oregon.

In addition to cable television and radio common carrier systems, McCaw has filed applications for licenses to operate cellular radio telephone service in 64 top markets, including six in the top 30 markets—Seattle; Portland, Ore.; San Jose, Calif.; Kansas City, Miss.; San Francisco and Denver.

(Contact: Daniel Orr, VP of Affiliated Publications at 135 Morrissey Blvd., Boston, MA 02125, or phone (617) 929-3035)

## CROWN RESOURCE CORPORATION O

DENVER, CO—Crown Resource Corporation reported net income of \$5,310 for the third quarter ending Sept. 30, 1984, following second quarter profits of \$72,185. Third quarter profits are based on total revenues of \$175,405. This compares to a net loss of \$16,279 and total revenue of \$28,604 for the same quarter 1983.

Total first nine months 1984 revenue amounted to \$765,738, with profits of \$147,085, versus nine month 1983 revenues of \$51,053 and a loss of \$78,551. The Company's Seattle gold mine in Washington State contributes the major portion of income.

Crown also reported signing a letter of agreement with the Prospector Fund of San Antonio, Texas, for the purchase of 2.2 million newly-registered shares of Crown's common stock at \$0.26 per share (\$0.25 net to the Company totalling \$550,000). The transaction is contingent upon a review of Crown's business affairs and financial statements, and, if completed, will add significantly to Crown's working capital.

For information on Crown Resource Corp., contact Stewart A. Jackson, Pres., 820 16th street, Suite 415, Denver, Colorado 80202, (303) 534-2110.

## DAYCO CORPORATION N

WEST PALM BEACH, FLA., (Dec. 10)—Dayco Corp.'s (NYSE: DAY) unaudited results revealed record sales for the year and quarter along with continued strong earnings for fiscal year ending Oct. 31, Richard J. Jacob, chairman and chief executive officer of the corporation, told board members here today.

Jacob called the Company's financial position "the healthiest ever." He cited a dramatic reduction in interest-bearing debt, improved performance ratios, and an exciting group of new products as factors in his positive assessment of Company performance.

Jacob told the board members meeting here that 1984 sales of \$901 million surpassed the previous record of \$787 million achieved in 1981 and represented substantial improvement from 1983 sales of \$719 million.

1984 earnings of \$16 million, the third highest in the Company's history, resulted in primary and fully diluted earnings of \$2.35 and \$1.75, respectively. In comparison, 1983 earnings per share, after an extraordinary item, were 71 cents primary and 67 cents fully diluted.

Dayco had record fourth-quarter sales of \$242 million, as compared to 1983 fourth quarter sales of \$217 million. Net earnings per share for the fourth quarter in 1984 were 78 cents, as compared with \$1.10 after an extraordinary item for the same period last year.

During fiscal 1984 all Dayco operating units, with the exception of Allen Industries, a supplier of automotive original equipment, and certain international operations enjoyed profitability.

Sales of automotive replacement parts, rubber compounding, single-ply roofing and rubber and plastic components all provided significant profit contributions during the year. Wallcovering products, plastic hose and printing products were also profitable, said Jacob.

Jacob said management is highly optimistic about the future because most of the firm's major markets are doing well. He said energy, off-road construction, mining and the agricultural sectors remain "soft."

"If these markets should recover we should enjoy even greater sales and profits," Jacob said.

Dayco Corp. manufactures a variety of highly engineered original equipment and replacement parts used in a wide range of industries. Dayco is 371st in the most recent Fortune 500 list of the nation's largest industrial firms and had sales of \$719 million in 1983.

DAYCO CORP. (Consolidated, Unaudited)				
	12 Months Ended Oct. 31		3 Months Ended Oct. 31	
	1984	1983	1984	1983
Net sales	\$901,120,000	\$718,680,000	\$241,600,000	\$217,081,000
Earnings before tax & extraordinary item	32,031,000	9,280,000	11,828,000	13,260,000
Earnings before extraordinary item	16,065,000	4,045,000	5,519,000	6,264,000
Net earnings	16,065,000	4,380,000	5,519,000	6,595,000
Primary earnings per common share				
Before extraordinary item	\$2.35	\$.65	\$.78	\$1.04
Fully diluted earnings per common share	\$2.35	\$.71	\$.78	\$1.10
Before extraordinary item	\$1.75	\$.64	\$.57	\$.67
Net earnings	\$1.75	\$.67	\$.57	\$.70
1984 primary earnings per share were calculated using 6,784,000 average shares and 5,984,000 in 1983				

(Contact: Thomas E. Ryan, Vice President-Corporate Communications, Dayco Corporation, 333 West First Street, Dayton, OH 45402. Phone: (513) 226-5929.)

## NUI CORPORATION N

ELIZABETH, N.J., Nov. 21—NUI Corp. (NYSE: NUI) reported that earnings for the fiscal year ended Sept. 30 set a record, increasing 49 percent over the previous year's results.

The operations of both NUI's utility and non-utility subsidiaries showed improvements over 1983.

The diversified energy company reported net income for the 1984 fiscal year of \$10,122,000, or \$4.55 per share, compared to \$6,788,000, or \$3.10 per share, for the previous year.

Operating revenues were a record \$317,957,000 in fiscal 1984 compared to \$303,654,000 in fiscal 1983.

John Kean, NUI's president, said the company will

continue to emphasize the growth of non-utility sales and earnings and "intends to expand in the energy fields through growth and through acquisitions."

In addition to its gas utility operations in New Jersey, NUI participates in oil and gas exploration and production activities in the southwestern United States and in western New York.

## NUI CORP.

	12 Months Ended Sept. 30	
	1984	1983
Revenues (in thousands)	\$317,957	\$303,654
Net income (in thousands)	10,122	6,788
Earnings per share	\$4.55	\$3.10
Weighted average number of shares outstanding	2,223,246	2,187,769

(For Annual Report write: Robert MacPherson, Director-Corporate Communications, NUI Corporation, Box 6060 Bridgewater, N.J. 08807. Phone (201) 685-3920.)

## SHONEY'S, INC. O

NASHVILLE, TENN., (Dec. 14, 1984)—Shoney's, Inc. today reported a four-for-three stock split and the achievement of record revenues, net income and earnings per share for both the fourth quarter and fiscal year ended October 28, 1984.

Net income for the fourth quarter increased 31% to \$8,255,655 from \$6,305,922, as earnings per share increased 26% to \$.39 from \$.31. Revenues increased 17% to \$116,917,757 from \$99,928,229 during the comparable 1983 period.

For the fiscal year ended October 28, 1984, revenues increased 20% to \$476,952,603 from \$397,799,285 in fiscal 1984. Net income gained 30% to \$30,180,460 from \$23,242,326, and earnings per share advanced 25% to \$1.45 compared with \$1.16 in 1983.

At its regular meeting on December 14, 1984, the Board of Directors declared a four-for-three stock split. The additional shares will be distributed on January 15, 1985 to stockholders of record January 4, 1985. The quarterly dividend, after adjusting for the stock split, was then increased 25% from \$.03 to \$.0375 and is payable on February 4, 1985 to stockholders of record January 22, 1985.

Profit margins continued to improve as the ratio of net income to revenues reached 6.3%, the highest level in 12 years. Contributing to the improvement in profit margin was a real gain in sales. The average unit sales of company-owned restaurants increased 7.3% resulting in a real sales gain of 2.6% after deducting menu prices.

The Company had a net increase of 56 company-owned restaurants during 1984, including 17 Shoney's restaurants, 26 Captain D's, 12 Lee's Famous Recipe units and a specialty dinner house. The Company's continuing remodeling program included the renovation of 65 company-owned units. In addition, the Company had a net increase of 28 franchised restaurants and six Shoney's Inns.

During 1984, substantially all of the company's convertible subordinated debentures were converted into common stock. This reduced the company's long-term debt by approximately \$15 million and contributed to an improvement in the company's debt to capital ratio from 27.9% in 1983 to 16.7% at the end of 1984. At year-end cash and investments available to finance expansion totalled \$42,099,000.

Shoney's is a major diversified food service operator and franchisor with systemwide annual sales exceeding \$930 million. In addition to Shoney's, Captain D's, and Lee's Famous Recipe units, its system of more than 1,100 company-owned and franchised units includes a specialty group of dinner houses, lodging facilities and centers for food preparation, manufacturing and distribution. Its stock is traded on the NASDAQ National Market (Symbol: SHON).

(Contact: Taylor Henry, Jr. Shoney's Inc. 1727 Elm Hill Pike, Nashville, Tenn. 37202. Phone (615) 361-5201.)

(For advertising information on Corporate Report Updates, call Sarah Madison (212) 620-2371.)

Calif Lig file

# Synthetic Methodology in the Context of Natural Product Total Synthesis\*

Dedicated to John D. Roberts on his seventieth birthday

Robert E. Ireland  
Thomas Jefferson Professor of Chemistry  
Chemistry Department  
University of Virginia  
McCormick Road  
Charlottesville, VA 22901

## I. INTRODUCTION

The plethora of structural natural products has for the art and science of chemistry. In many instances naturally occurring molecules have therapeutic value to man and therefore, stimulated much research. Nevertheless, other systems have been developed. Intrinsic incentives have been the stimulus for the exploration of synthetic methodology. This article is to demonstrate a strategy that has been the force behind the development of such methodology as well as the construction of natural products.

## II. TERPENOID SYSTEMS

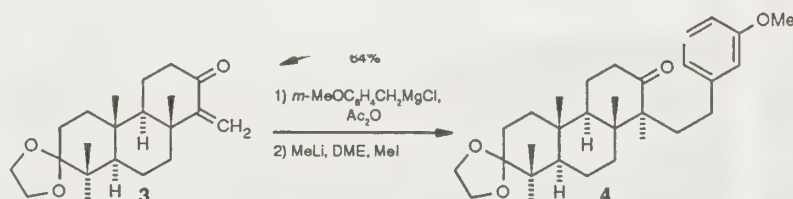
### 1. Germanicol systems

One such case is the investigation of a route for the synthesis of some terpenoid systems. In the course of the investigation of the total synthesis of the unsymmetrical triterpene germanicol,<sup>1</sup> the utility of the  $\alpha$ -methylene ketone **3** became apparent. Through organometallic conjugate addition, followed by enolate trapping and then methylation, **3** led to the regioselectively and stereoselectively alkylated ketone **4** in good yield (Scheme 1). This latter ketone **4** was converted to the target molecule. The crucial structural and stereodemanding steps were accomplished through the  $\alpha$ -methylene ketone **3** and they proved that such systems are of great synthetic value.

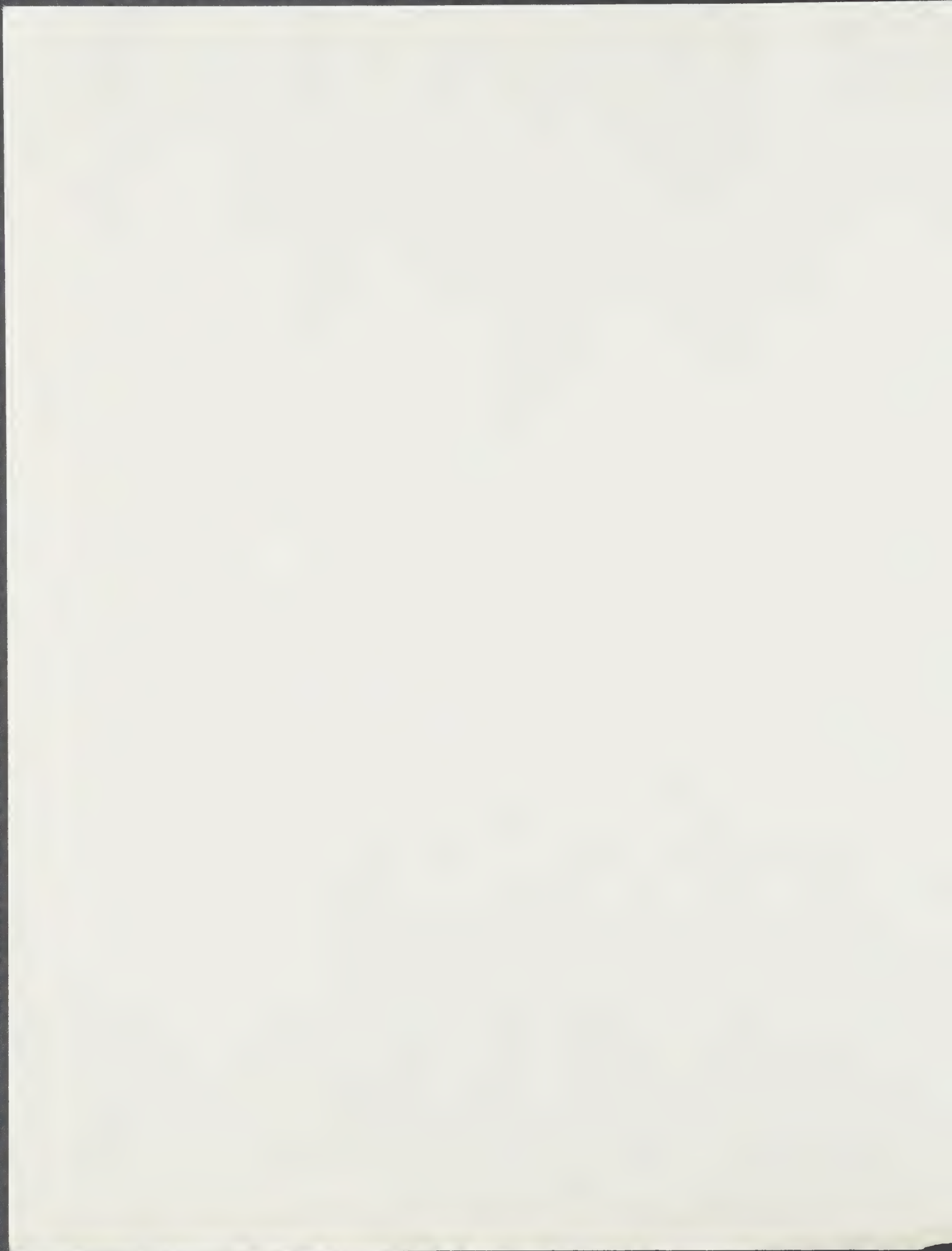
In this case, the preparation of the  $\alpha$ -methylene ketone **3** was readily accomplished through photooxygenation of olefin **2** which itself was available by classical methods from ketone **1**. In order to generalize this synthetically valuable strategy, it was necessary to devise means for the construction of other less readily accessible olefins such as **5** to serve as photooxygenation substrates. Such systems could not be obtained by the classical methodology used for the transformation of ketone **1** to olefin **2**; a new method was necessary. The methodology devised for this process has

been used for olefin **6** with resulting phosphochlorination of the olefin **5** in the available chlorinations into

*John D. Roberts*  
804 924  
3100



Professor Robert E. Ireland (left) receiving the A.C.S. Award for Creative Work in Synthetic Organic Chemistry, sponsored by Aldrich, from Dr. Alfred Bader, Chairman of the Board, Sigma-Aldrich Corporation.





Directions:

From Pomona to Torrance

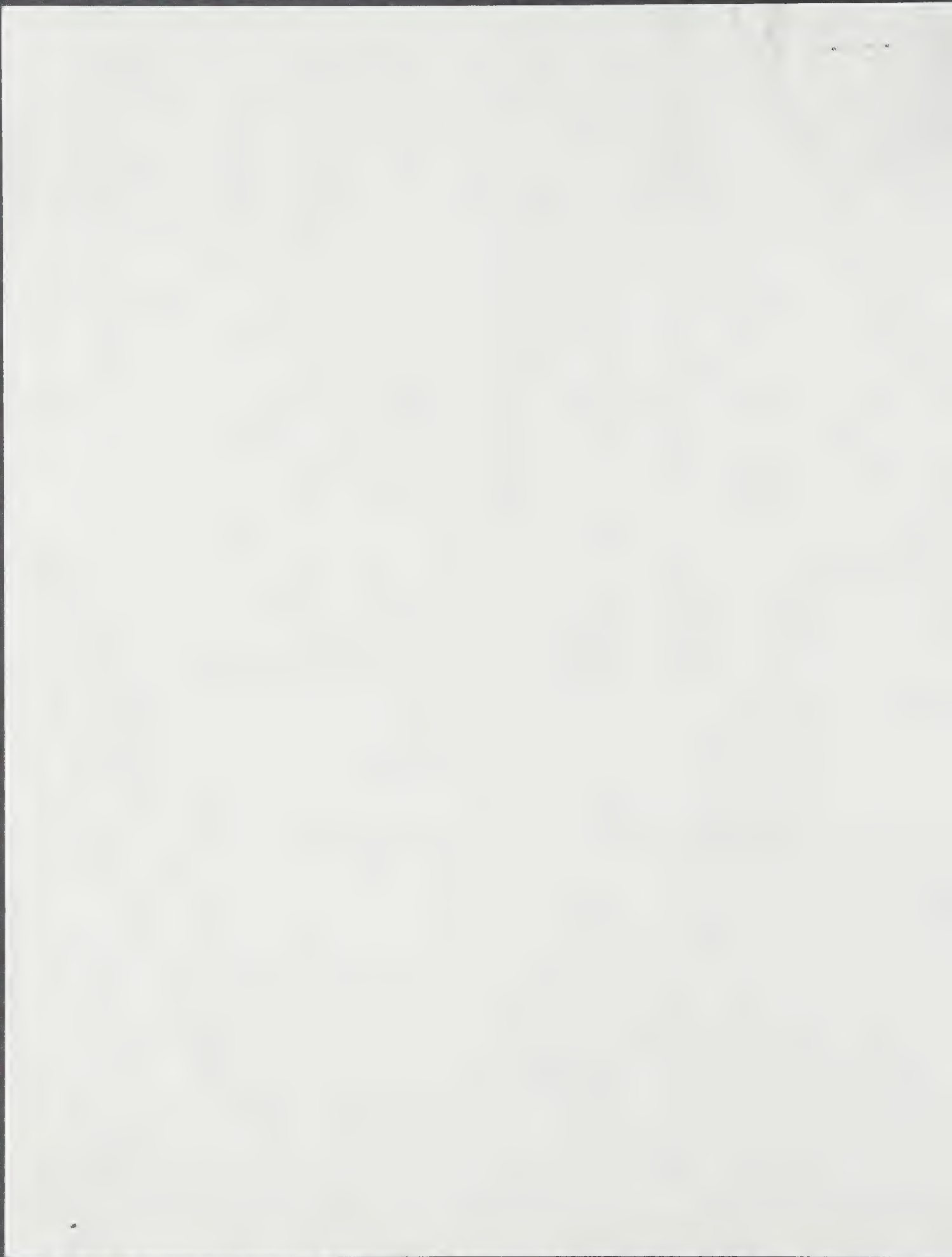
The 10 Freeway (San Bernardino Freeway) west to the 605 Freeway south. Take the 605 to the 91 Freeway (Riverside Freeway) and go west to the 110 Freeway (Harbor Freeway). Go south on the 110 Freeway toward San Pedro. On the interchange from the 91 Freeway to the Harbor Freeway, be sure to stay in the left lane which will take you onto the Harbor Freeway.

Continue south on the Harbor Freeway (110) to Torrance Blvd. Go Right on Torrance Blvd about 4 miles. After you pass Madrona Street, you will be able to see the 12 story Marriott Hotel on the left. Enter the hotel at the next stop light after Madrona.

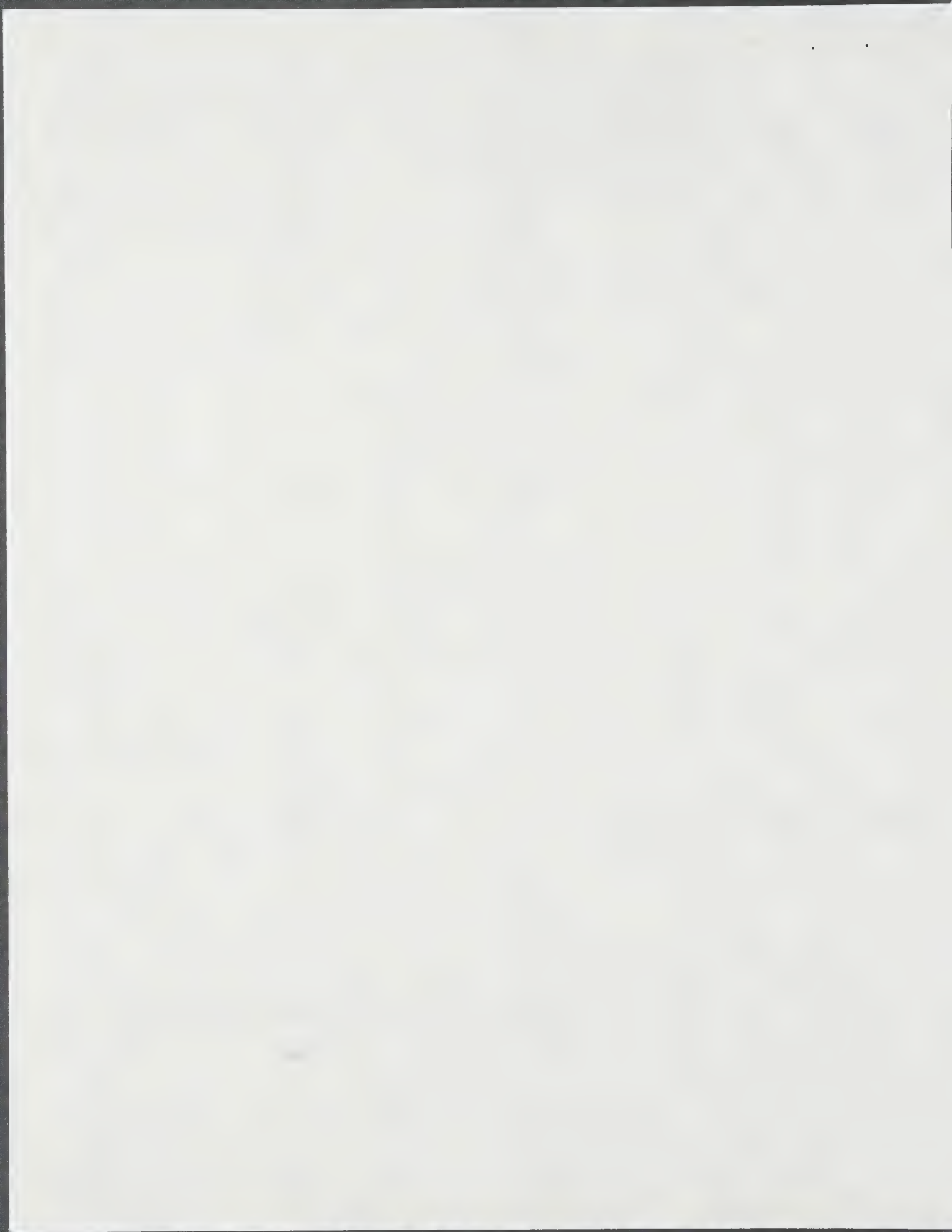
Directions from Torrance to UCLA

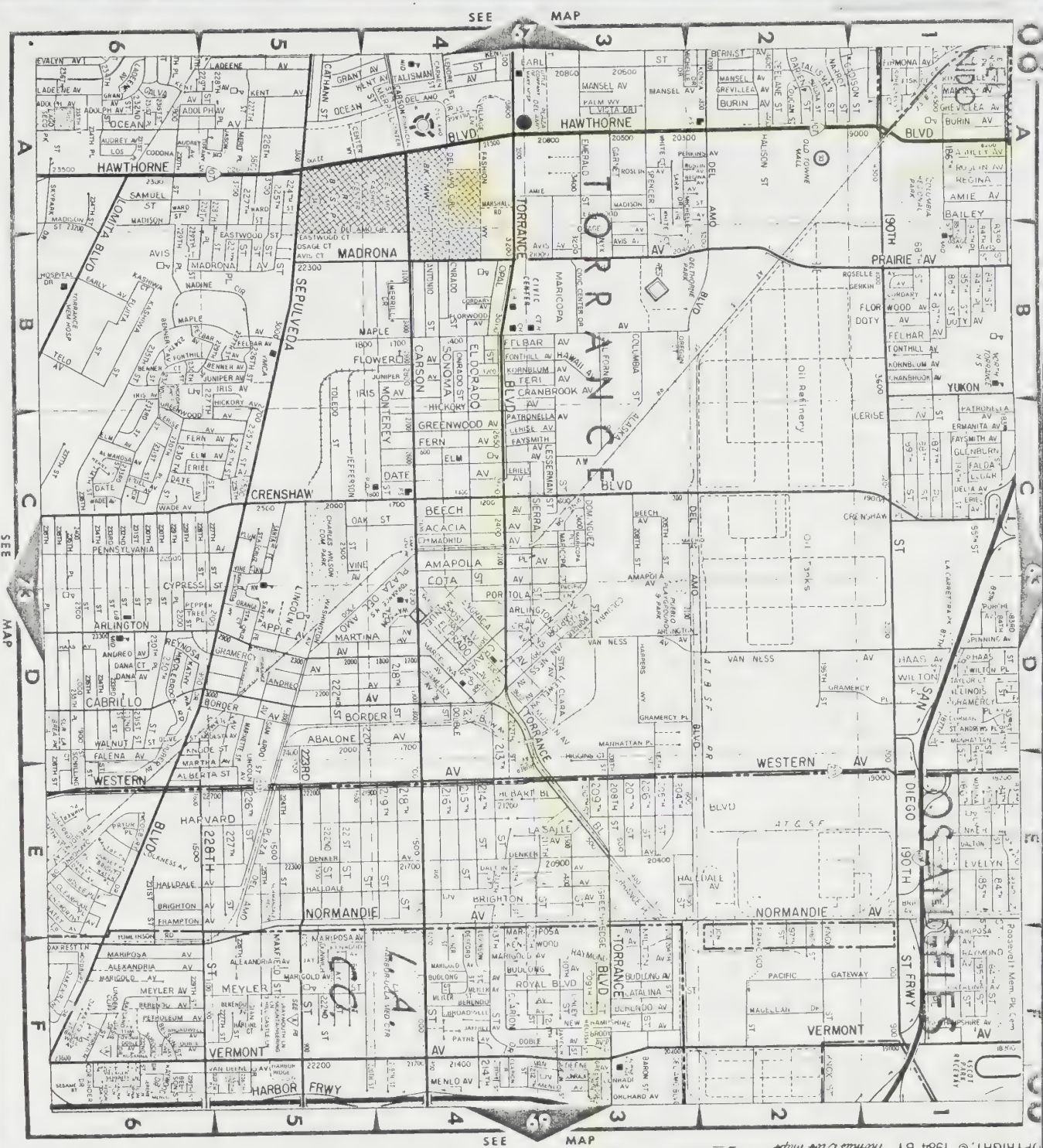
From the Torrance Marriott, take Hawthorne Blvd north to the 405 Freeway (San Diego Freeway). (That will be about 3 or 4 miles) Go North on the San Diego (405) Freeway toward Santa Monica. Get off at Wilshire Blvd (about 15 miles). Go east on Wilshire to Westwood Blvd (about 1 mile) and turn left. Westwood Blvd terminates at the UCLA campus.

A general map is enclosed.

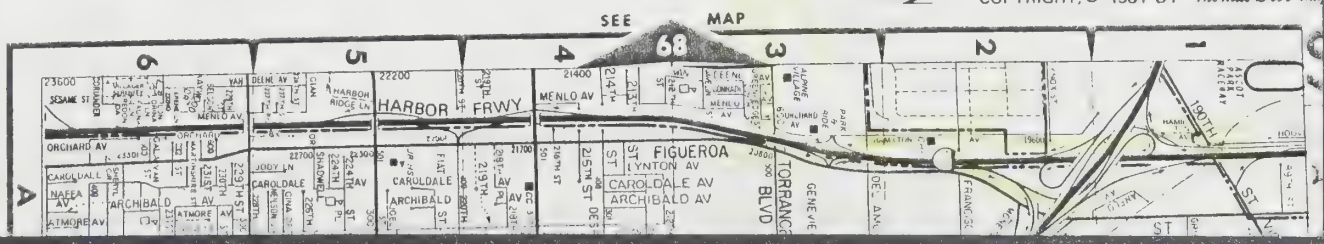




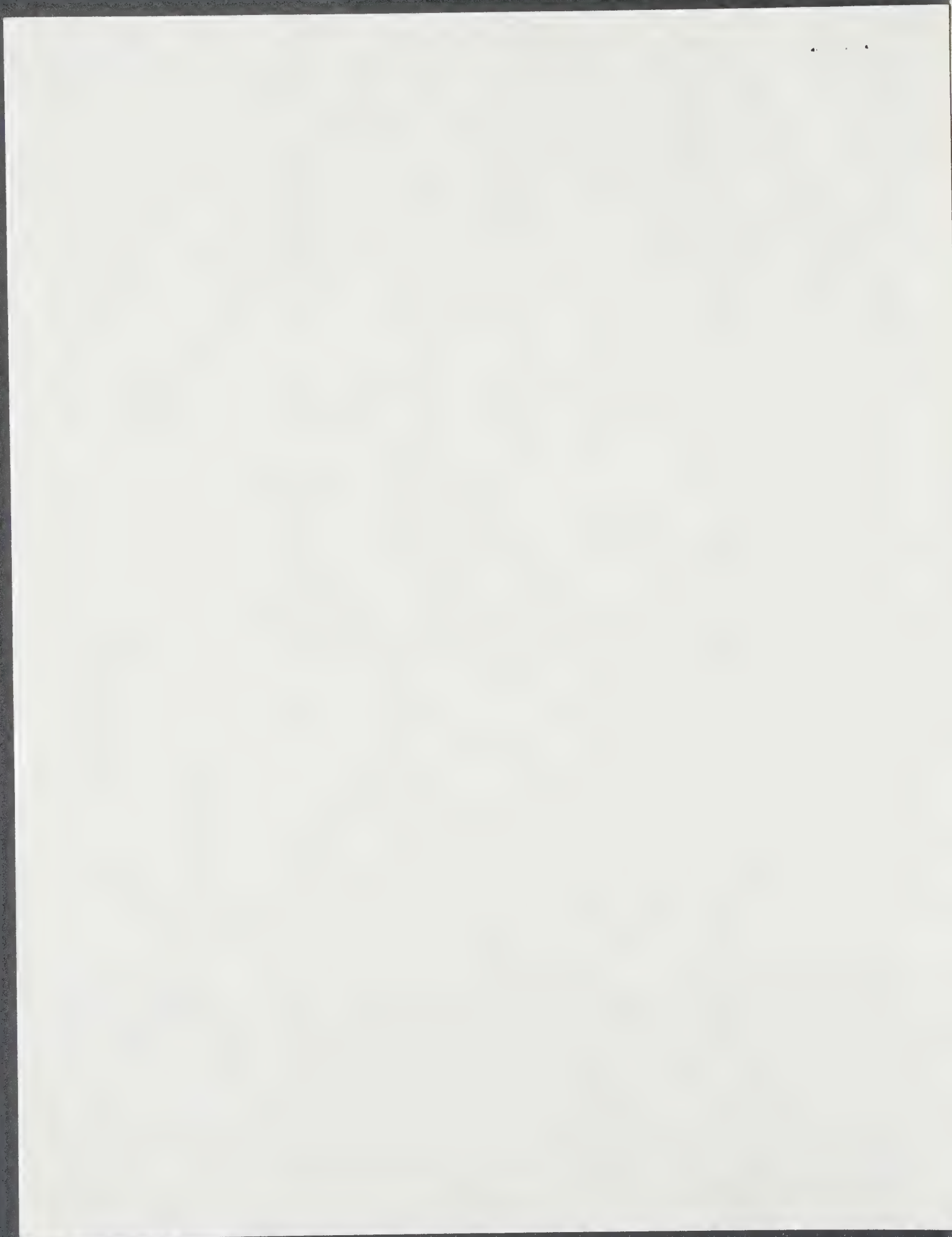




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# SRI International HEADQUARTERS MAP



TO BAYSHORE  
FREEWAY 101  
VIA WILLOW RD

Mentlo Park  
"LOC" Codes

TO BAYSHORE  
FREEWAY 101  
VIA WILLOW RD

SRI 1776 10/81



Menlo Park  
California  
94025



**SRI**  
International

MENLO MEDICAL CLINIC  
Crane St.

MENLO PARK

STANFORD  
UNIVERSITY

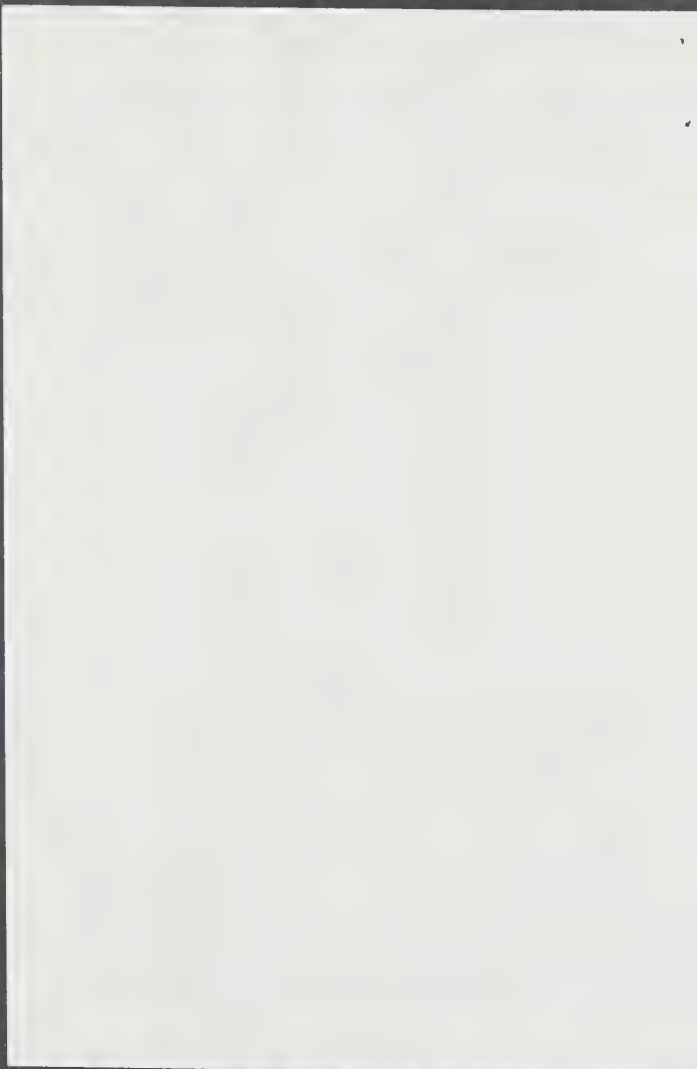
PALO ALTO



DR. BADER:

From San Francisco, go over the Bay Bridge and follow Highway 80 to the left, past Berkeley; shortly after you pass Golden Gate Fields race track on your left the road divides. Continue on Highway 17 to Cutting Blvd. Left turn on Cutting, continue until the road turns to the right and then left again. At the top of the overpass you will see the Chevron three 6-story buildings. Visitor parking is in front.

*please call 670. 2470,  
if you need help.*





# Chevron Research Company Visitor Map

Chevron Research Company  
Richmond, California  
HFW RE 806373-6



*R*

Appointment Schedule for Dr. Alfred Bader  
Monday, February 27, 1989

10 a.m.	Prof. Donald J. Cram	Rm. 4070A	51562
11 a.m.	Prof. Mike Jung	Rm. 4332B	57954
11:30 a.m.	Prof. Frank Anet	Rm. 4332A	51150
LUNCH			
1 p.m.	Prof. Francois Diederich (tentative)	Rm. 3082A	53159
1:30 p.m.	Informal discussion with members of Cram Research Group - space is limited, but we can probably accommodate three or four students from other groups.	Rm. 4070A	51562
3 p.m.	Prof. Orville Chapman	Rm. 4054A	54883
3:30 p.m.	Prof. Rob Armstrong	Rm. 4042A	57100
4 p.m.	Prof. Chris Foote	Rm. 3082B	51409

*Dr. David Vander Berg*

*Res Storm*

*4064*

*3056*

*John Elige*

*Thomas Pulog*

*Kim Cary*

