

Carlos Adams

For statics & dynamics see physics pages 3a & 3b

STRESS

$s = \frac{P}{A}$

$E_s = \frac{s}{\Delta}$

STRESSES IN BEAMS

Flexure or bending stress

$s = \frac{M c}{I}$

$s = \text{stress, max. at outer fibre, lb./in.}^2$

$M = \text{bending mom., in. inch pounds}$

$c = y = \text{distance from neutral axis (thru C.G. of beam) inches}$

BEAMS

$V_x = \text{shear at } x$

$W = \text{wt./load}$

$M = \text{bending mom., w = wgt./ft. (maximum)}$

$\Delta = \text{deflection, max. at } x$

$M_x = \text{bend. mom. at } x$

$R = \text{reaction}$

Cantilever, load at end

$R = V_x = W$

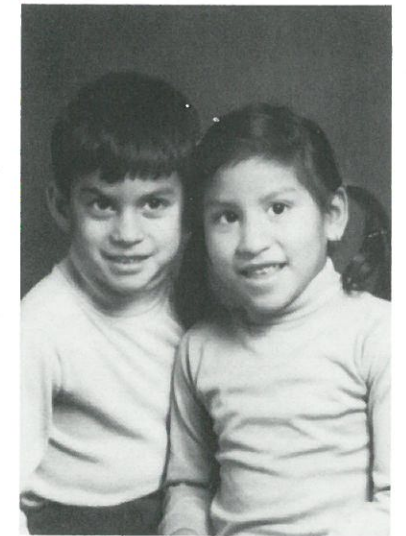
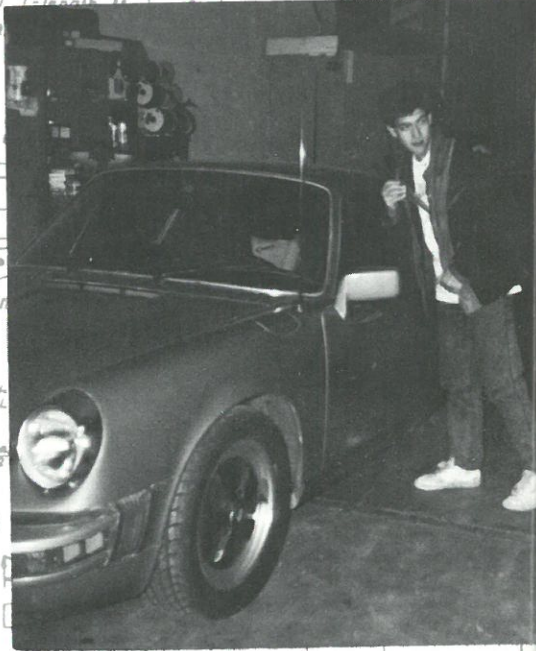
$M = W L$

COLUMNS

Short: $\frac{L}{r} < 50$, $L = \text{length, inches}$

$r = \text{least radius of gyration, inches}$

MARK ABUZZAHAB
(Ah boo zah haab)



Does this feel scratchy ?
- A passing acquaintance

It's a small world, but I wouldn't want to paint it.

-Steven Wright

It's too tough to handle this fortune and fame, everybody's so different I haven't changed.

Joe Walsh



Cliffs
NOTES

YOUR KEY TO THE CLASSICS

THE NOTES ARE NOT A SUBSTITUTE FOR THE TEXT ITSELF OR FOR THE CLASSROOM DISCUSSION OF THE TEXT, AND THE STUDENT WHO SO ATTEMPTS TO USE THEM IS DENYING HIMSELF THE EDUCATION THAT HE IS PRESUMABLY GIVING HIS MOST VALUABLE YEARS TO ACHIEVE.

Ahhh. . . Now we are getting somewhere.
- Chief Inspector Clouseau



Why not help
one another
on the way
-B. Marley

Spread the message of love not war.
-P. Banton



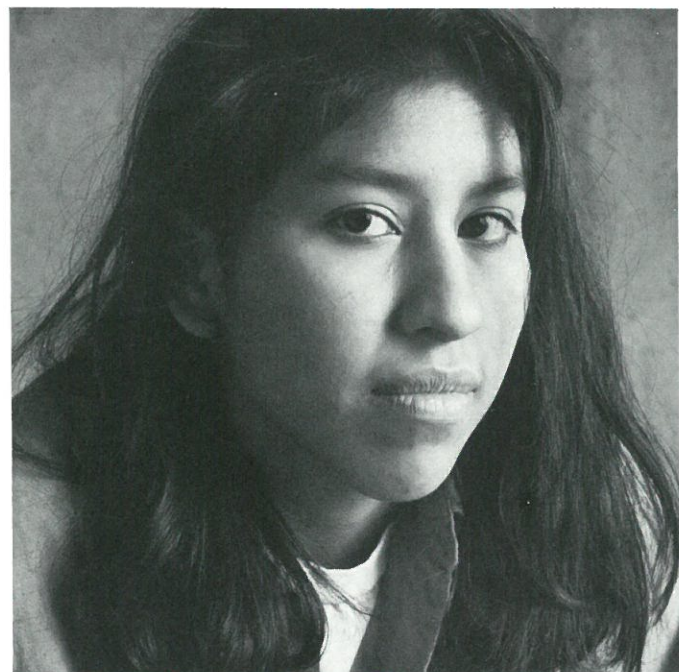
SHAB ALIZADEH



"BUM RUSH THE SOUND!" -CHUCK D

"Let's push love to the
limit and life to the
edge."

-Loose Ends



Cina Maria Adams

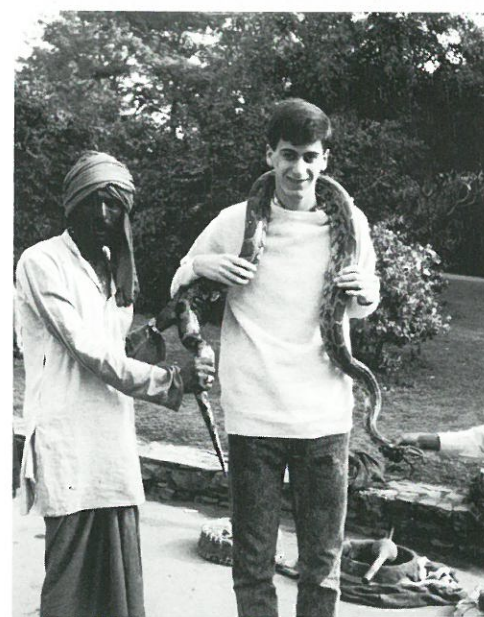


You think it's the end
but it's just the beginning
-B. Marley

We'll only live if we learn to love
and no treasure is greater
make it your aim
suffer no pain
-Z. Marley



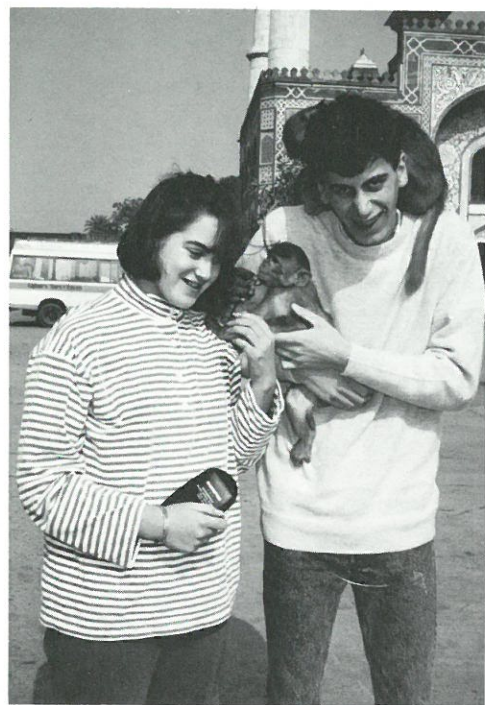
"Good Friends we have, Good friends we've lost along the way. In this great future you can't forget your past so dry your tears I say."--Bob Marley



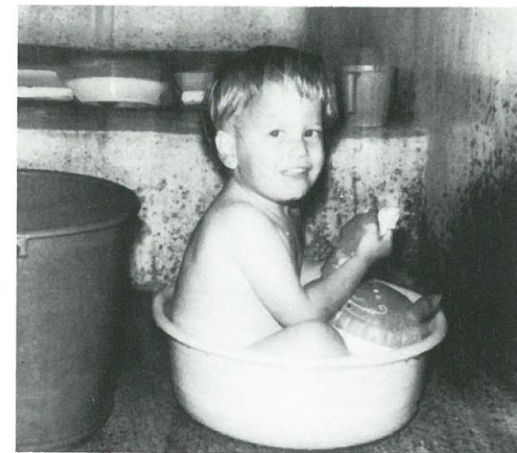
"I dance, for the joy of surviving, on the edge of the road."--Stanly Kunitz

"Gather your wits and hold on fast your mind must learn to roam. Just as the Gypsy Queen must do you're gonna hit the road."--The Who

"Then you shall judge yourself . . . that is the most difficult thing of all. It is much more difficult to judge oneself than to judge others. If you succeed in judging yourself rightly, then you are indeed a man of true wisdom."--Le Petit Prince



"Please watch out for each other and love and forgive everybody. It's a good life, Enjoy it."--Jim Henson



THOMAS
FREDERICK
ASHER

Daniel Gregory Bachrach



"Chicks dig me because I rarely wear underwear, and when I do, it's usually something pretty unusual."
-Bill Murray

DAVID BAER

To spend too much time in studies is sloth.

-F. Bacon

Why worry about tomorrow
it will be gone the day after
-W. Woodpecker



The rule of my life is to make business a pleasure and pleasure my business.
-Burr

90% of success is just showing up.
-Woody Allen

No Pain, No Gain

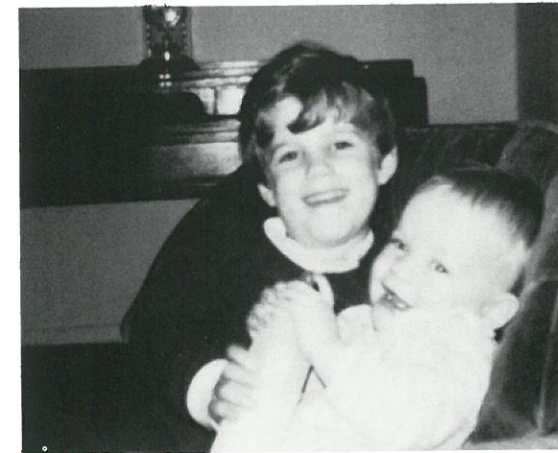


Josephine Marie Bahl



¡Cuántos de estos debe de haber en el mundo que huyen de otros porque no se ven a sí mismos!

-- Lazarillo de Tormes



Where does the power come from
to see the race to its end?

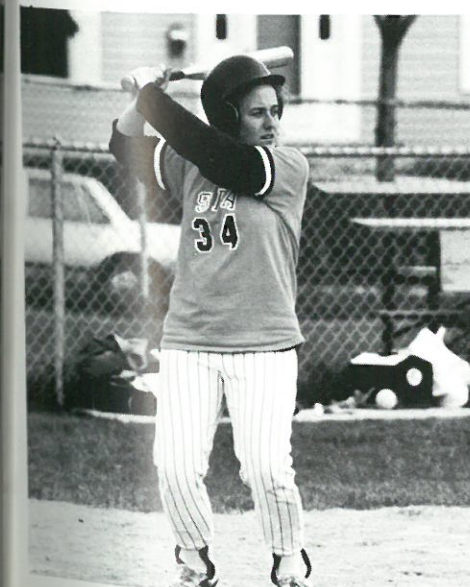
... From within
-- Chariots of Fire

That which does not kill us
makes us strong.

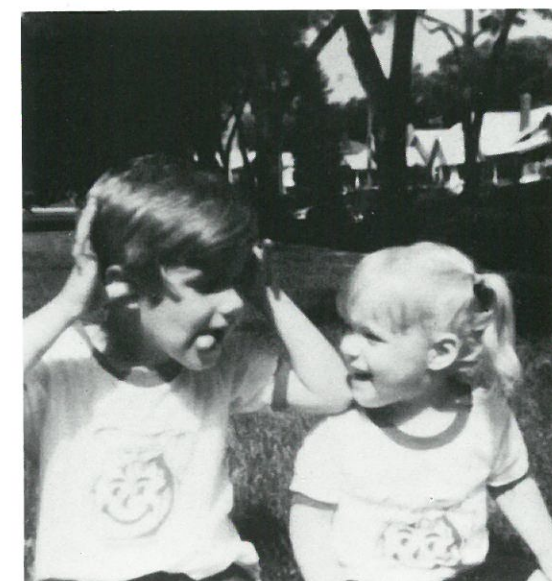
-- Steel Magnolias

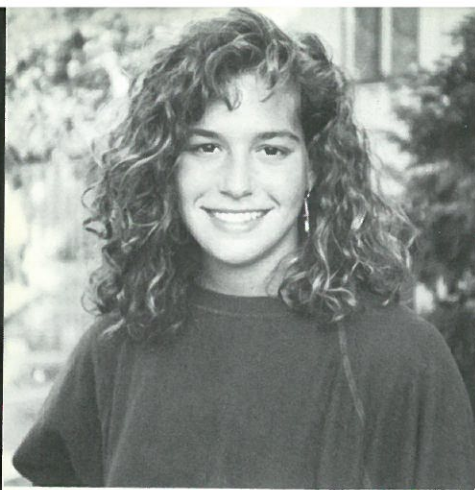


This is the time to remember
'Cause it will not last forever
These are the days
To hold on to
'Cause we won't
Although we'll want to
This is the time
But time is gonna change
-- Billy Joel

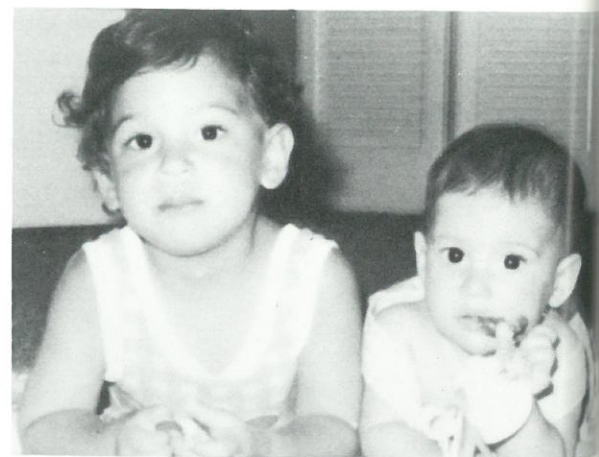


Thanks Mom, Dad, David,
and all my friends, especially
Chrissy



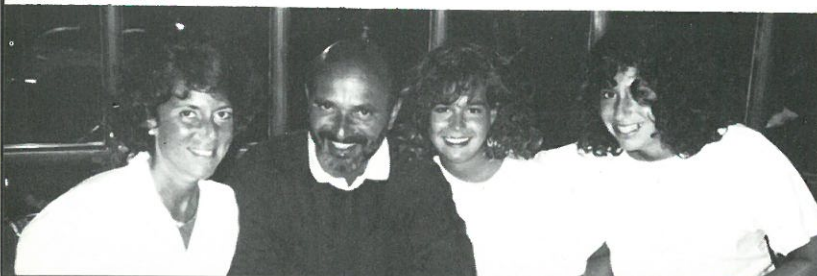


Hold onto what is good
 Even if it is a handful of earth
 Hold onto what you believe in
 Even if it is a tree that stands by itself
 Hold onto what you must do
 Even if it is a long way from here
 Hold onto life
 Even if it is easier to let go
 Hold onto my hand
 Even when I have gone away from you
 -Pueblo Indian Poem



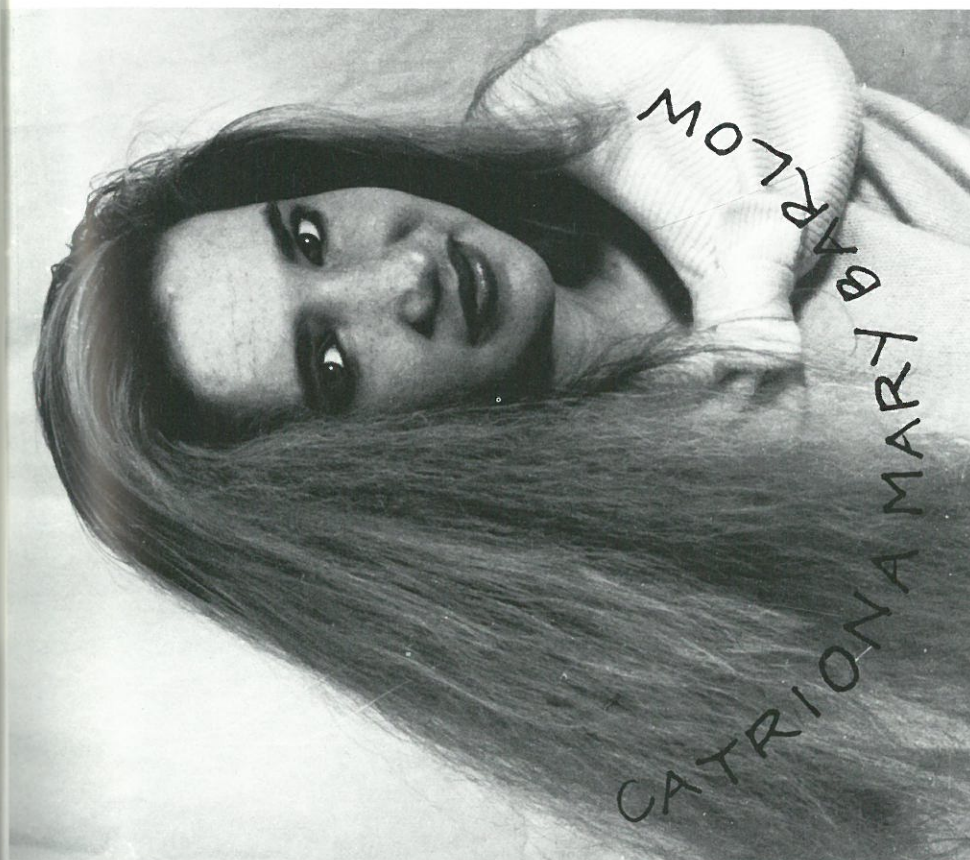
Stacey Barenbaum

Open your eyes,
 See me for what I am:
 Cast in iron, I won't break and I won't bend
 Didn't you notice I'm so headstrong?
 -10,000 Maniacs

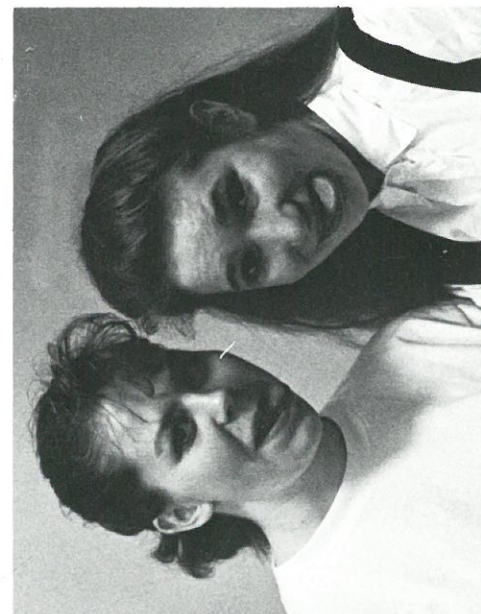
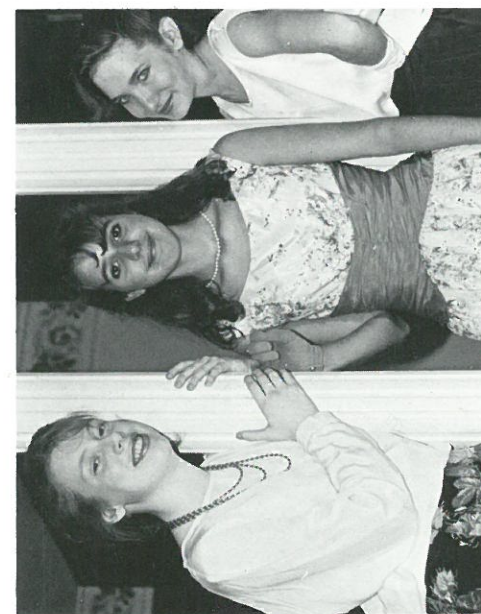


We don't make mistakes,
 We just discover things that don't work.
 -Michael Coughlin

It's great to be young and insane.

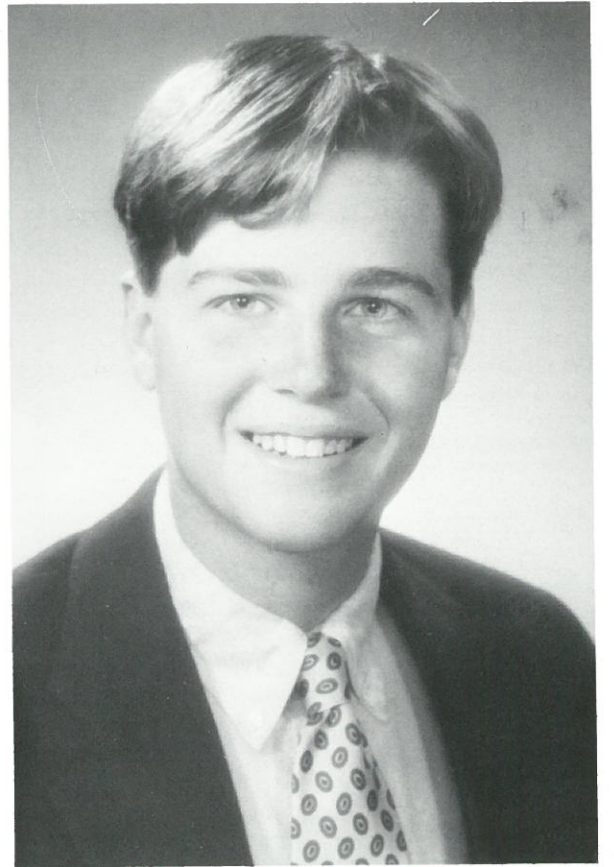


So many faces in and out of my life
 Some will last,
 Some will just be now and then
 life is a series of hellos and goodbyes
 I'm afraid it's time
 for goodbye's again
 -Billy Joel



But pleasures are like poppies spread,
 you seize the flow'r, its bloom is shed;
 Or like the snowfall in the river,
 A moment white- then melts for ever
 -Robert Burns

Bill H. Beadie



Adam J. Bengue



It's always easier to
ask forgiveness than
permission.
-Mf. F

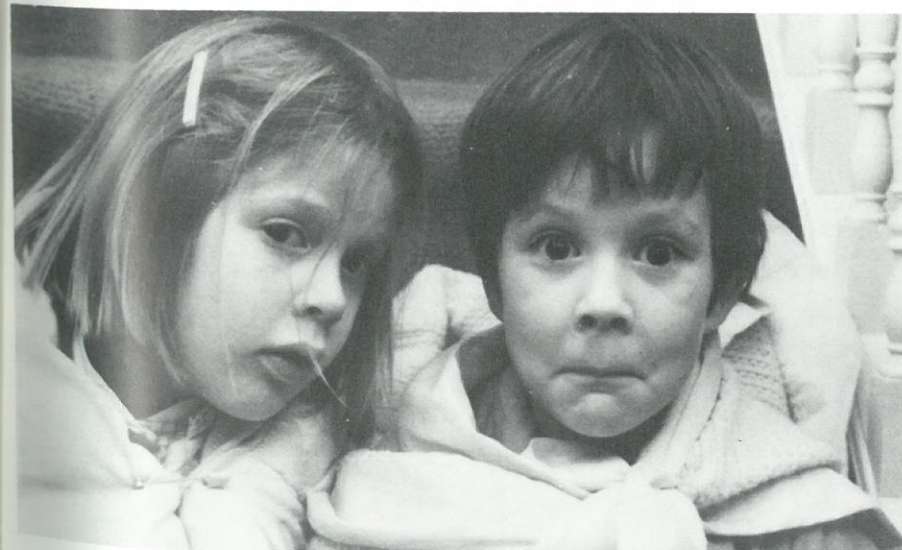
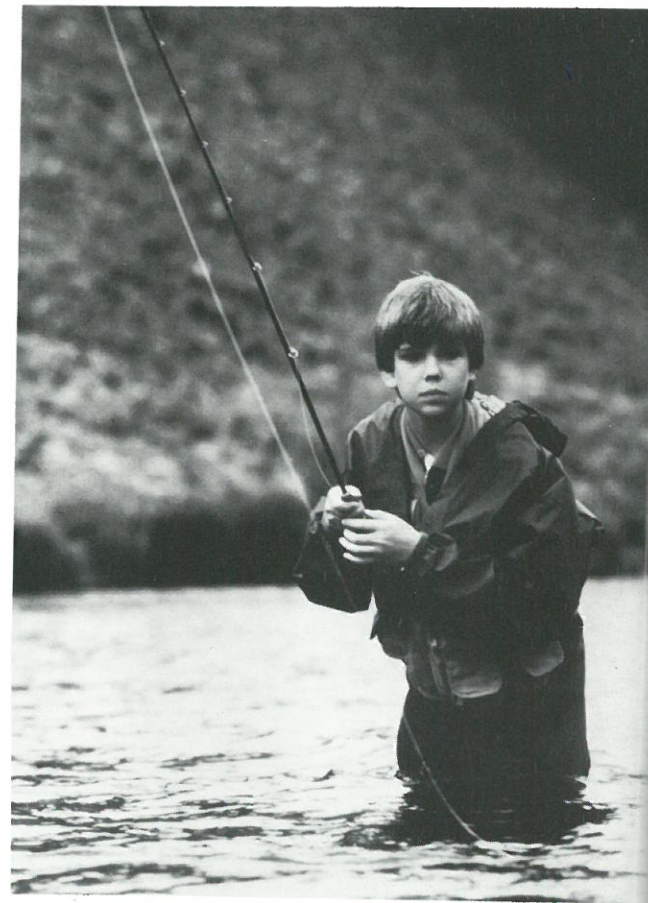
Bill! Come here!...
You gotta smell this!
-A.R.

I'm shootin' pool fats, and when I miss you
can shoot.
-Fast Eddie

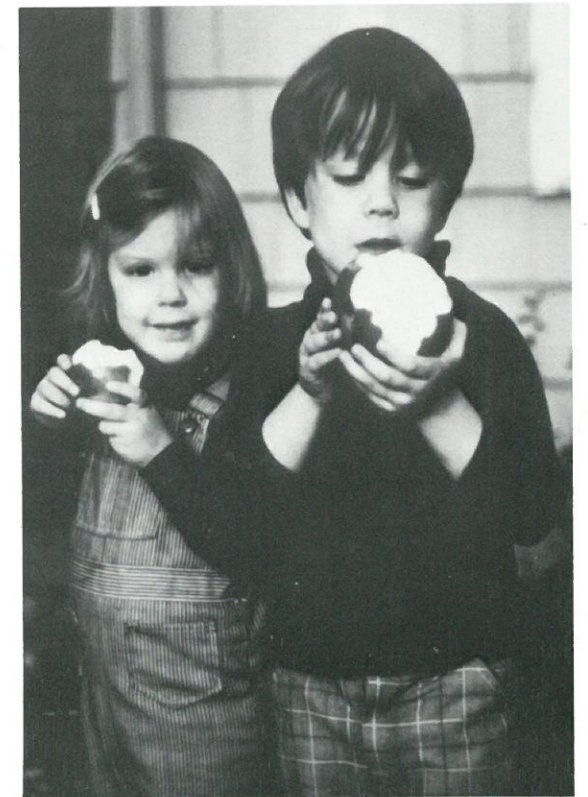
George Boxall



Breath, breathe in the air
 Don't be afraid to care.
 Leave but don't leave me.
 Look around and choose your own ground
 For long you live and high you fly,
 And smiles you'll give and tears you'll cry.
 And all you touch and all you see,
 Is all your life will ever be.

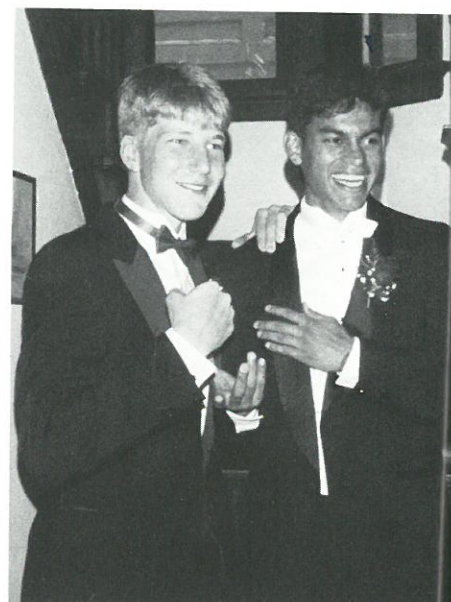
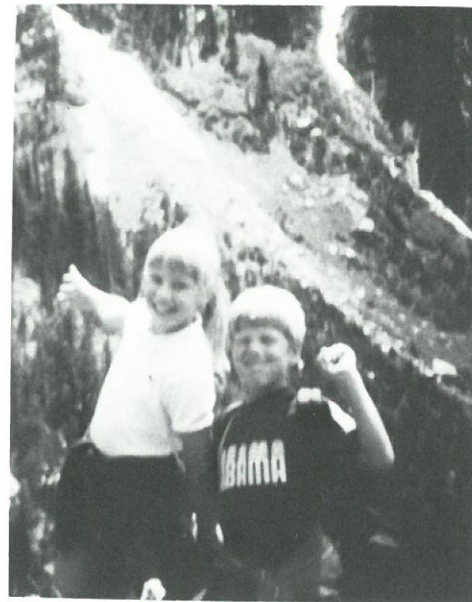


KATHERINE BRADFORD



This is the end beautiful friend.
 This is the end my only friend. The end.
 Of our elaborate plans. The end.
 Of everything that stands. The end.
 No safety or surprise. The end.
 I'll never look into your eyes... again.

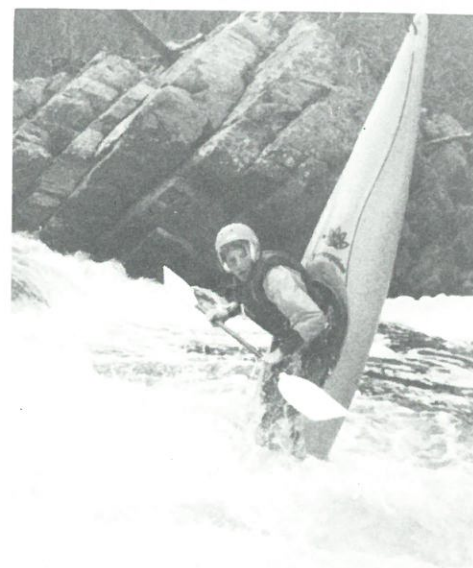
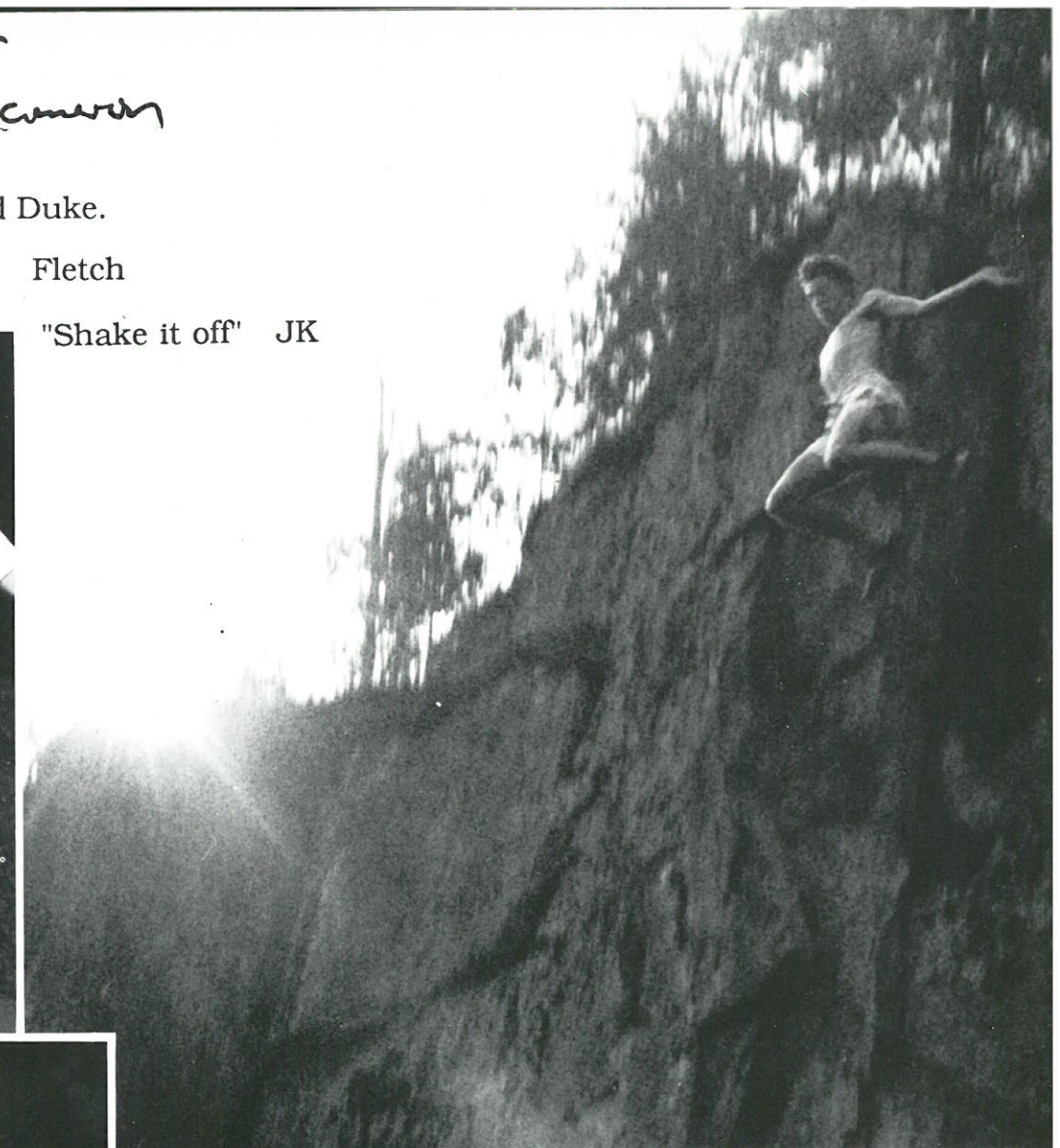
-The Doors



Thanks to,
 Mom, Dad, Amy, Suzy&Bob and Duke.
 "What can I do to you for you." Fletch

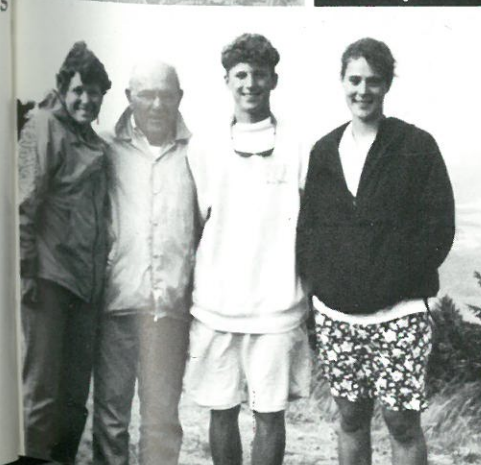


"Shake it off" JK



Day after day
 I will walk and I will play
 but the day after today
 I will stop and I will start
 - Violent Femmes

NATE BRENNAMAN





You have brains in your head. You have feet in your shoes. You can steer yourself any direction you choose. You're on your own, and you know what you know. You're the guy who'll decide where to go. You won't lag behind, because you'll have the speed. You'll pass the whole gang and you'll soon take the lead. Wherever you fly you'll be the best of best. Wherever you go, you will top all the rest. so... Be your name Buxbaum or Bixby or Bray or Mordecai All Van Allen O'Shea You're off to great places!! Today is your day Your mountain is waiting So..... Get on your way

Dr. Suess



Julia Ann Cammack

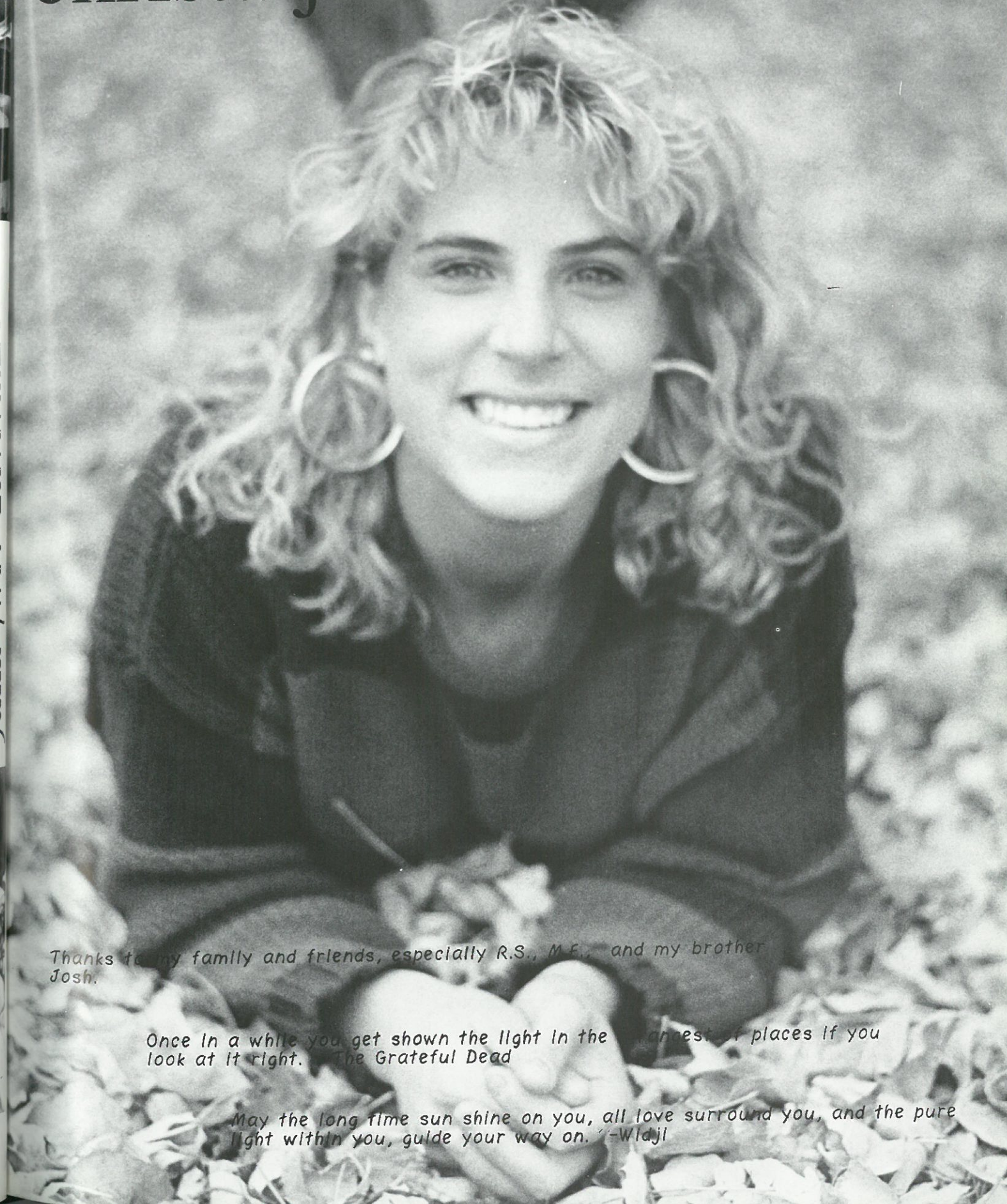


Thanks for everything Mom & Dad, Bets, J.K., R., Cort, M.M., K., A.R. and Shannon,

I Love You!!



christa juliana cerra



Thanks to my family and friends, especially R.S., M.F., and my brother Josh.

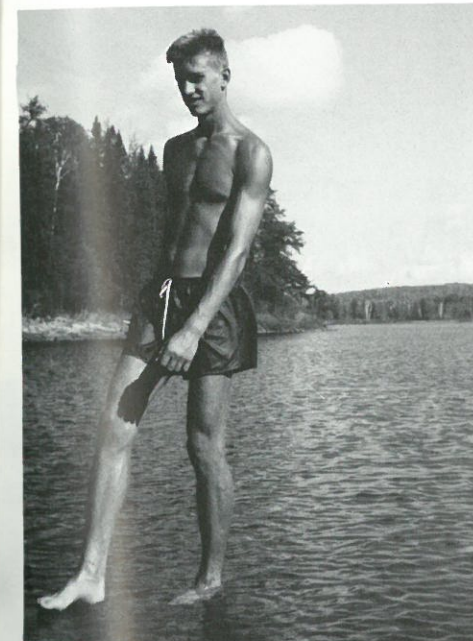
Once in a while you get shown the light in the darkest of places if you look at it right. The Grateful Dead

May the long time sun shine on you, all love surround you, and the pure light within you, guide your way on. -Wladji

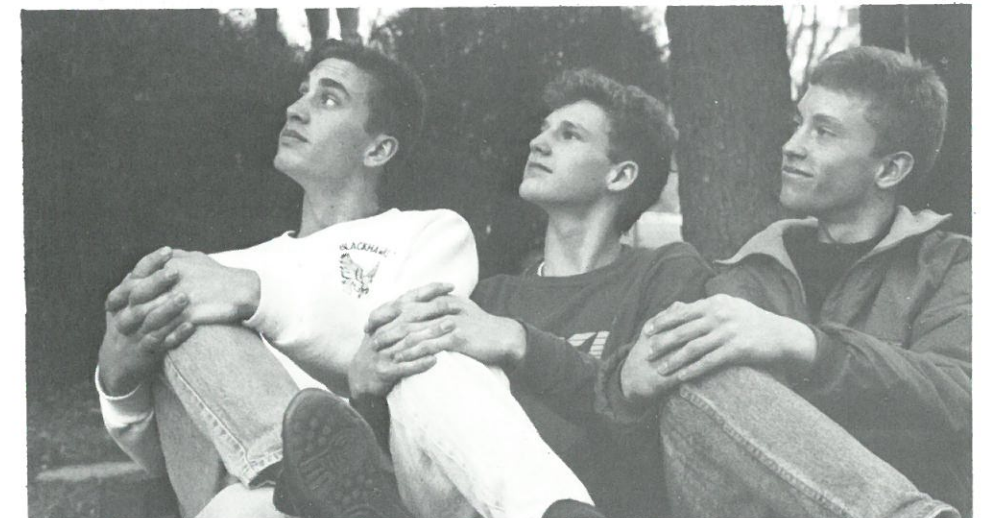
Lydia Anne Conn



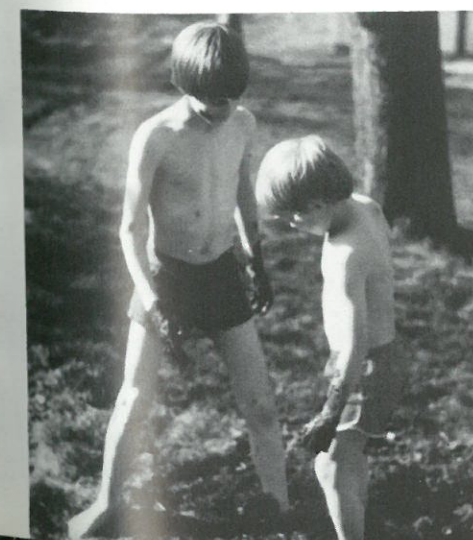
JOHN (BEEJ) COUGHLIN



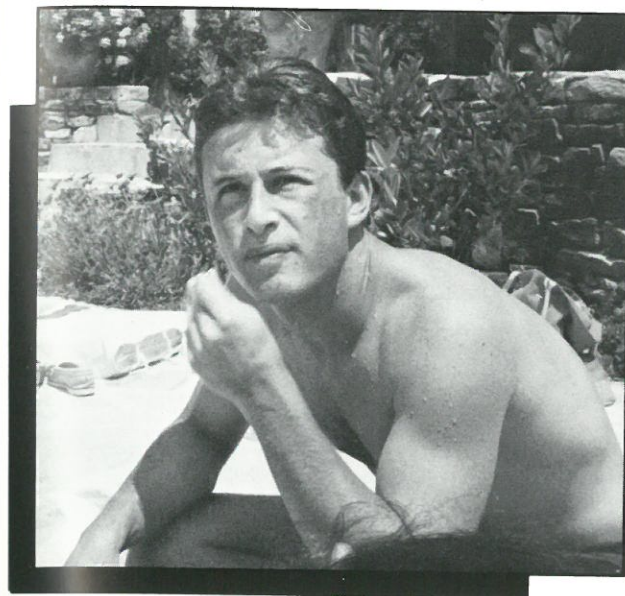
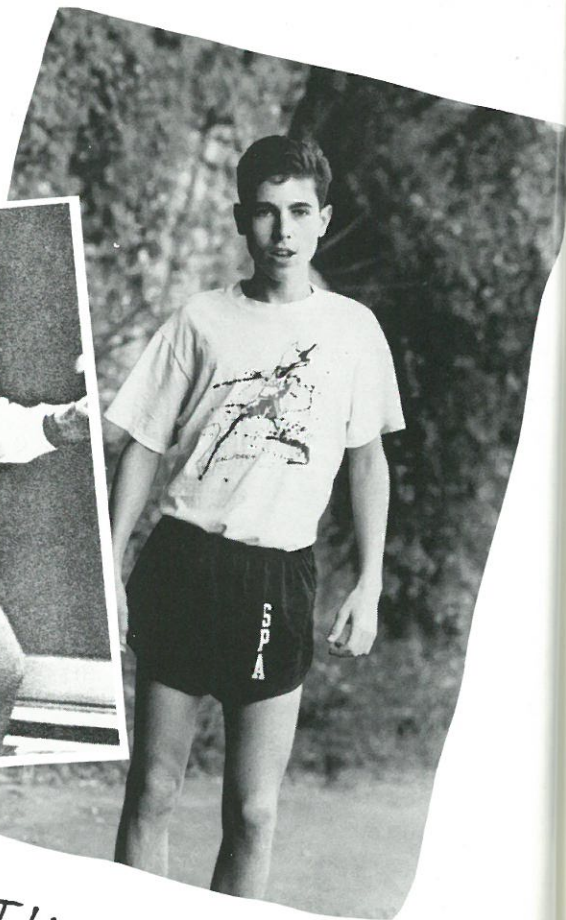
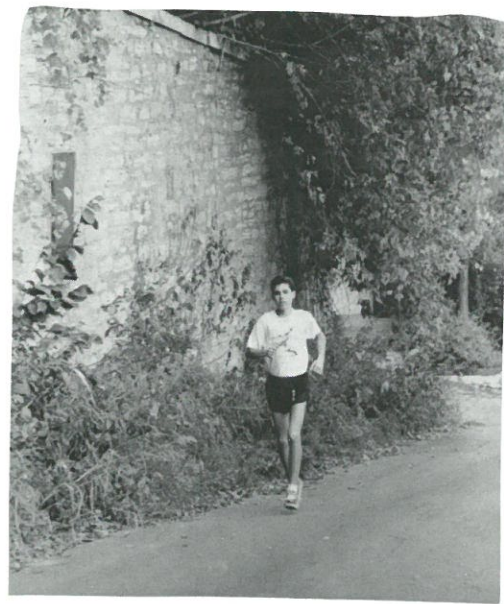
Life is short; live it up.
-Khrushchev



We treat animals today precisely as we treated slaves, and the theological arguments are often entirely the same or have the same root.
-Animals Agenda



ALEX DASHE



EMBRACE THE PAIN



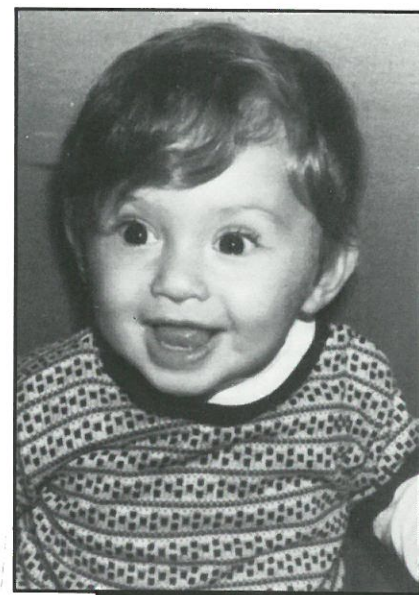
JESSE DARLEY

"I've got to be my brother's keeper though he be strong or weaker I've got to lend him a helping hand."
-Neville Brothers

Resolved:

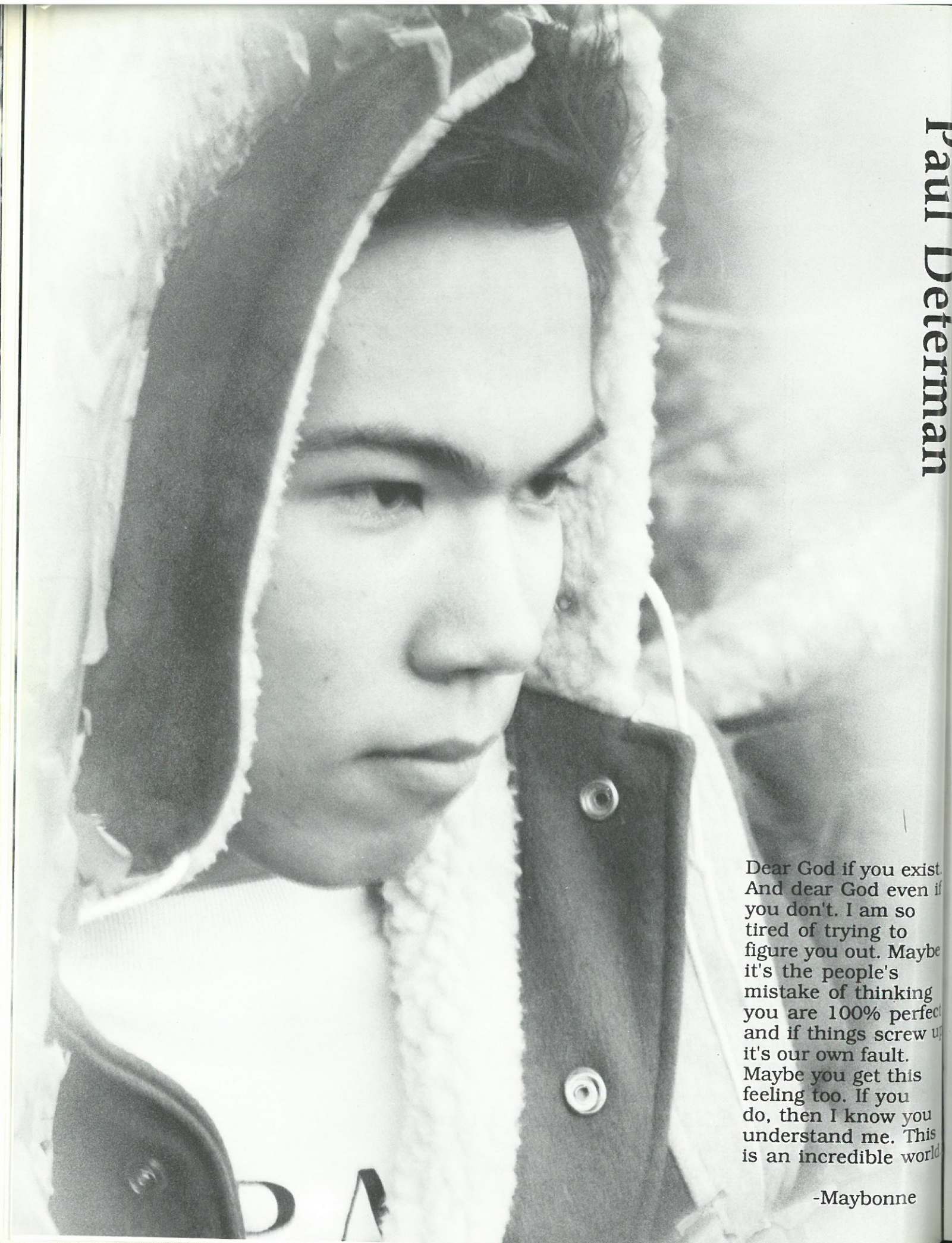
That the federal government should adopt a nationwide policy to decrease overcrowding in prisons and jails in the United States.

"Something's coming - I don't know what it is but it is gonna be great!"
-Tony from West Side Story



Thanks Mom, Dad, Steven, and Adam- I love you all.

"Breck, here's your damn bucket!!"
-Four renegade Spartans



Paul Determan

Dear God if you exist
And dear God even if
you don't. I am so
tired of trying to
figure you out. Maybe
it's the people's
mistake of thinking
you are 100% perfect
and if things screw up
it's our own fault.
Maybe you get this
feeling too. If you
do, then I know you
understand me. This
is an incredible world

-Maybonne

SHAKE THAT THING.
-DANCE BUDDIES



YOU CANT DO THAT ON
SUNDAYS.
- MOM

I SWEAR TO GOD, IT'S
SO SWEET, YOU LAME
DUCK! -T.B.



IF NOT BUT WHY. -G.F.

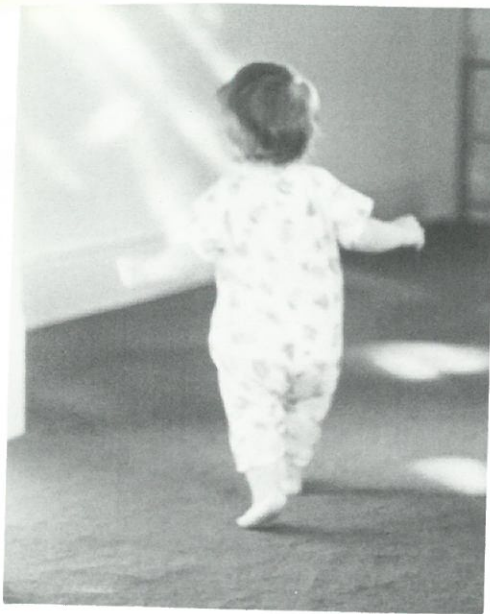
HEY CHEWY,
SCHLACKEN!
- CAMP BUDDIES

JUMP IN A POOL FULL OF
ICE CUBES!
-DAD



GIRLY CURLYS! - A.E., M.E. +
A.E.

Li-Li Estain



SEAN PATRICK FLAHAVEN



Will you join in our crusade?
Who will be strong and stand with
Somewhere beyond the barricade
Is there a world you long to see?
Do you hear the people sing
Say, do you hear the distant drums?
It is the future that they bring
When tomorrow comes
-Les Miserables

This is **not** a choice situation! -Mom



I have yet to find something that beats the
power of being in love, or the power of
music at its most magical. -YoYo Ma



A riot is an ugly thing, and it's about time
we had one! -Young Frankenstein

To strive, to seek, to find, and not to yield. -Alfred Lord Tennyson



Thanks, as always,
Mom & Dad, for life, love, and support
Grandma, for love and trips to the fair
Grandma & Grandad, for love and a sense of tradition
Aunts, Uncles, & Cousins, for love and encouragement
Sharon, for teaching me the meaning of penguin love
Ace, for being man's best friend
Friends, for being my best friend
Teachers, for opening new doors
God, for everything else
See you all at the Tony Awards

Sean Forner

"Seems I'm not alone in being alone
A hundred billion castaways looking for a home."

-The Police

"Lose your dreams and you will lose your mind."

-The Rolling Stones

"The man that hath no music in himself,
Nor is not moved with concord of sweet sounds
Is fit for treasons, strategems, and spoils."

-William Shakespeare

"Try to restrict our freedoms and we will
fight even harder to preserve them."

-Jane's Addiction

"Will the wind ever remember
The names it has blown in the past?"

-Jimi Hendrix



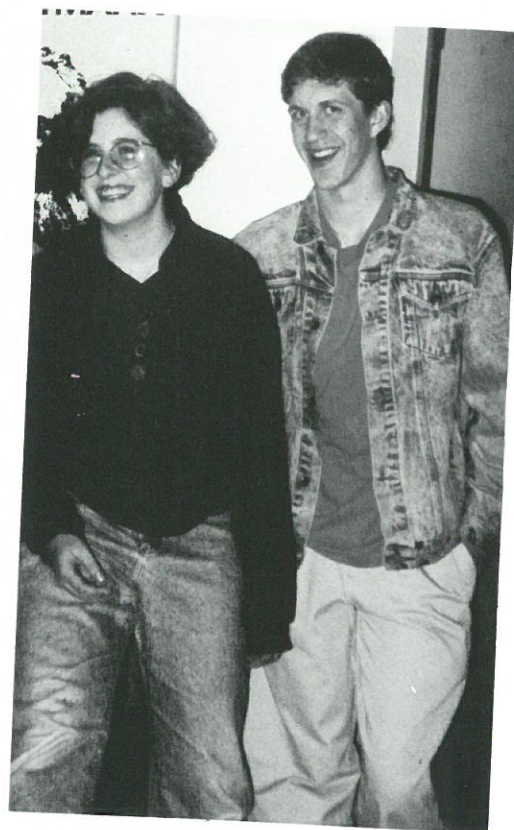


Tasslyn Lesley Frame

Do I dare
disturb the Universe?
In a minute there is time
For decisions and revisions
which a minute will reverse.
- T.S. Eliot, Love Song of Alfred J. Pruchoc



I am always ready to learn,
although I do not always
like being taught.
- Sir Wintson Churchill



Darlin' I don't know why
I go to extremes.
- Billy Joel

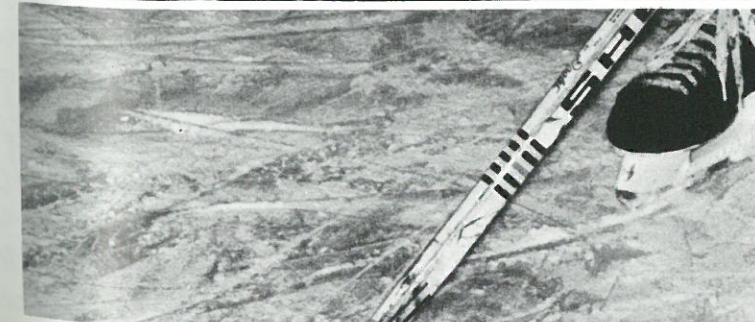


I tremble for my country when
I reflect that God is just.
- Thomas Jefferson



Darrin Franco 21

Everything I have in this
world, I owe to HOCKEY.
Wayne Gretzky

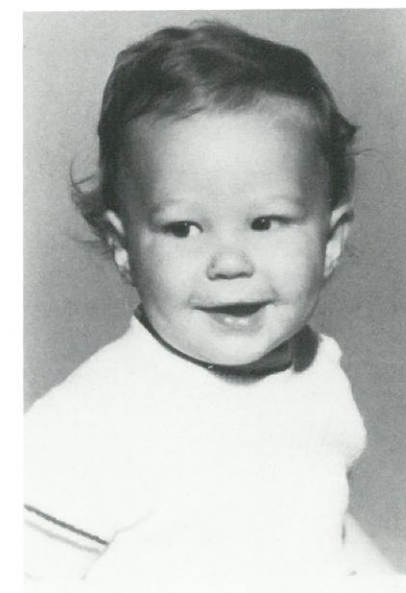


Thanks Dad and Vin for all
you have given me.
Thanks Bernie for giving me
the chance to come out here.

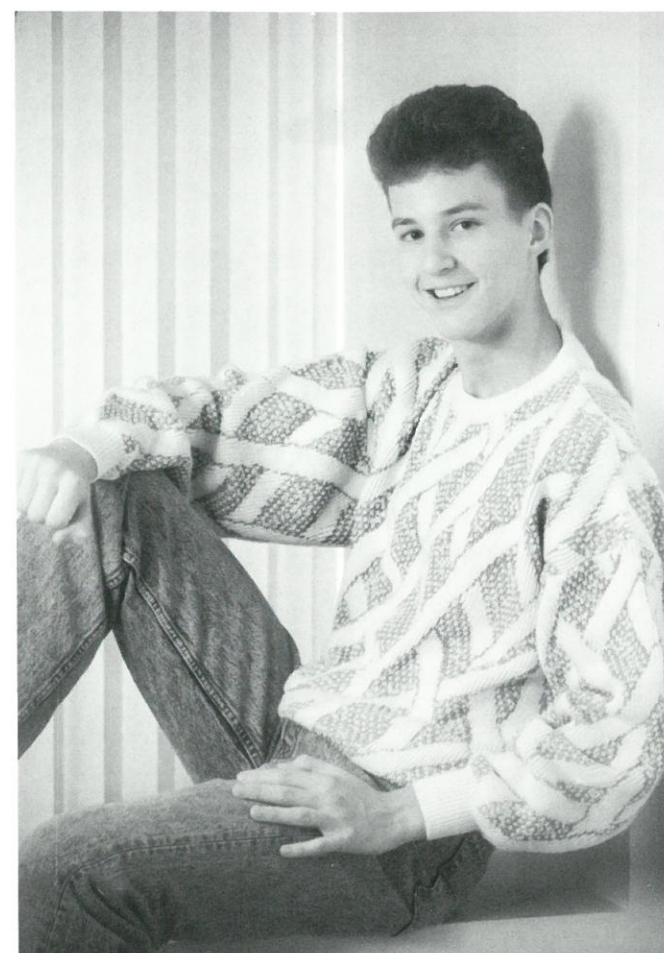
Whosoever would be a man, must be a nonconformist.
- Ralph Waldo Emerson

Chris
Gerke

You may say I'm a dreamer,
But I'm not the only one.
-John Lennon



I was just a child then,
Now I'm only a man.
-Pink Floyd



All you touch and all you see
Is all your life will ever be.
- Pink Floyd

The important thing is not to stop questioning.
- Albert Einstein



WEN DIE GÖTTER
LIEBEN, DER STIRBT ALS
JÜNGLING

- MENANDER

Ich bin ein

Augsburger

Herren-Pils-Fan

BRAUEREI
RIEGELE
Augsburg

in a tone of the deepest contempt. "I've
seen a good many little girls in my time



...t never one with such a neck as that!
...no! You're a serpent; and there's no
...denying it. I suppose Lewis Carroll

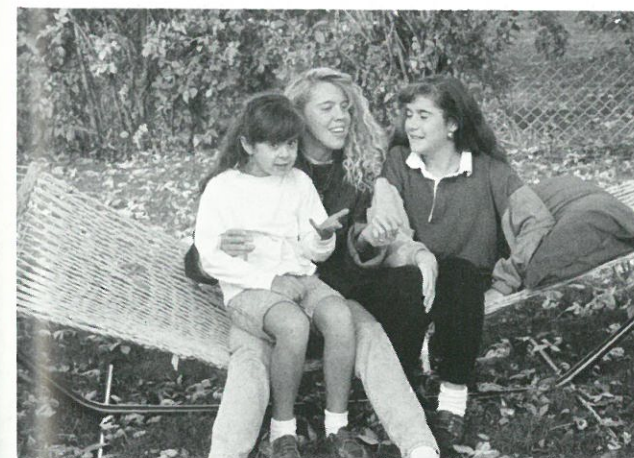
Carrie I. Hall

Julie Henderson



Walk into splintered
sunlight it's your way
through dead dreams
to another land
- Grateful Dead

We are the same
people everywhere
Singing the same
song, in the same
key - Sweet harmony
Sound pretty good
to me - Ipsos Facto



You run and you run to
catch up with the sun
but it's sinking...
racing around to come
up behind you again
- Pink Floyd



I can't figure out, if
it's the end or
beginning
- The Grateful Dead

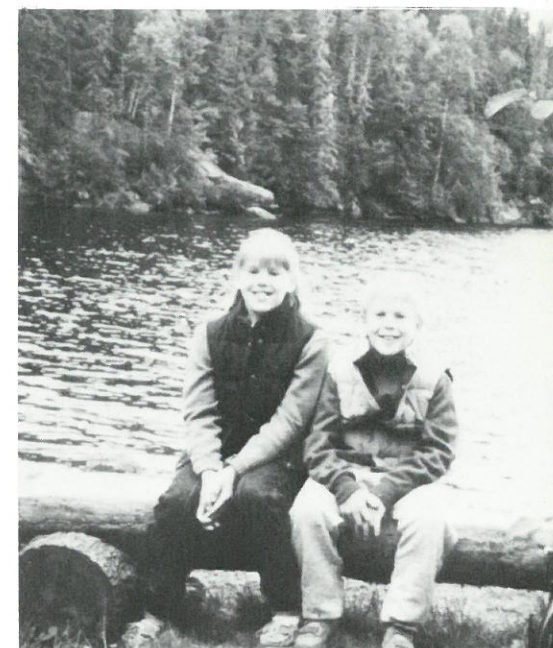


Waptuawawa!



Don't you forget no way
who you are & where
you stand in the
struggle - Bob Marley

That
which
brings us
sadness
has
once
brought
us
joy
- TW



TOD BRIAN HERSKOVITZ



"CRAZY DAYS"
ME



"NEVER TRUST A BUBBLE YOU DON'T BLOW YOURSELF"
BALOO THE BEAR



"CAN'T WE JUST MILK EACH OTHER"
ANONYMOUS

I DEDICATE THIS
PAGE TO MY MOTHER
WHOM I LOVE VERY
MUCH.



Fir
The fir stands.
The man watches.
Its height pierces the low cloud.
Its arms stretch out to the wind.
Its roots walk deep into the earth.
The man watches.
The fir stands.
The man walks away.
"Perhaps you are right," he says.
-H.D.

Laugh and the world laughs with you
...snore and you sleep alone.
-A.C.F.

ANGELIQUE
JUSTINE
HOLMES



I love your shoes.
- Murphy Brown

I can go anywhere.....
I can be anything.....
The strength inside
me is young now
and has as much
power as a
million trees.
The strength inside
me will travel to
a thousand new
worlds and see a
million me's.
I will grow old
someday, but the
strength
inside me
will
always be
new.
-S.H.



If you can imagine it
you can achieve it.
If you can dream it
you can become it.
-P.I.O.

I can go anywhere.....
I can be anything.....
-RR

Why Some People Be Mad
At Me Sometimes
They ask me to
remember
but they want me to
remember
their memories
And I keep on
remembering
mine.
-V.K.U.

I just want to be loved,
is that so wrong?
-H.F.



With them the seed of Wisdom did I sow,
And with mine own hand wrought to make it grow;
And this was all the Harvest that I reap'd-
"I came like Water, and like Wind I go."
Omar Khayyam

Alex Hult.

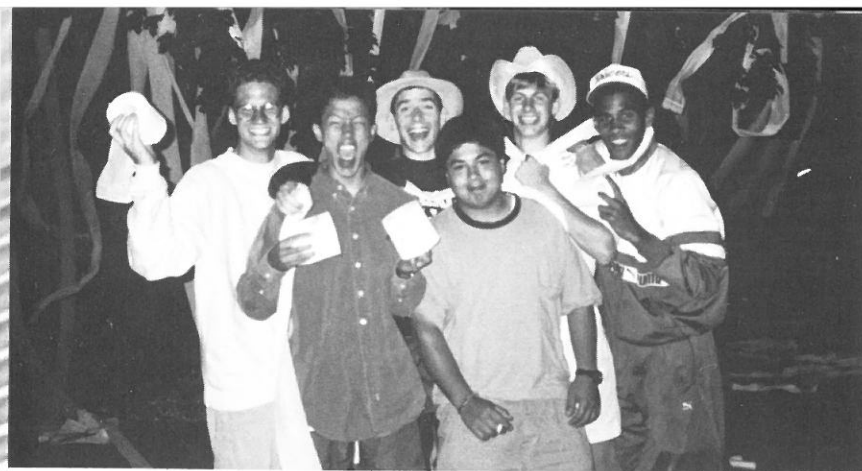
TO LAUGH OFTEN AND MUCH;
TO WIN THE RESPECT OF INTELLIGENT
PEOPLE AND THE AFFECTION OF CHILDREN;
TO EARN THE APPRECIATION OF HONEST
CRITICS AND ENDURE THE BETRAYAL
OF FALSE FRIENDS;
TO APPRECIATE BEAUTY, TO FIND THE BEST
IN OTHERS;
TO LEAVE THE WORLD A BIT BETTER; ...
TO KNOW EVEN ONE LIFE HAS BREATHED
EASIER BECAUSE YOU HAVE LIVED.
THIS IS TO HAVE SUCCEEDED.

WLD RALPH WALDO EMERSON

MAY THE GOOD LORD BE WITH YOU DOWN EVERY ROAD YOU ROAM;
MAY SUNSHINE AND HAPPINESS SURROUND YOU WHEN YOU'RE FAR FROM HOME;
MAY YOU GROW TO BE PROUD, DIGNIFIED, AND TRUE,
AND DO UNTO OTHERS AS YOU'D HAVE DONE TO YOU;
BE COURAGEOUS AND BE BRAVE AND IN MY HEART YOU'LL ALWAYS STAY
FOREVER YOUNG.

WLD ROD STEWART

KIRSTEN
JACOBSON



Seth
Chalmers
Janus

Thanks to my mom, dad
and Leah I love you.

I want to hear some funky
dixie land pretty mama come
and take me by the hand.
-Doobie Bros



You've got to
lively up your self
cause I said so.
-Bob Marley

Take your time, think a lot
why think of everything
you've got, for you will
still be here tomorrow
but your dreams may not.
-Cat Stevens



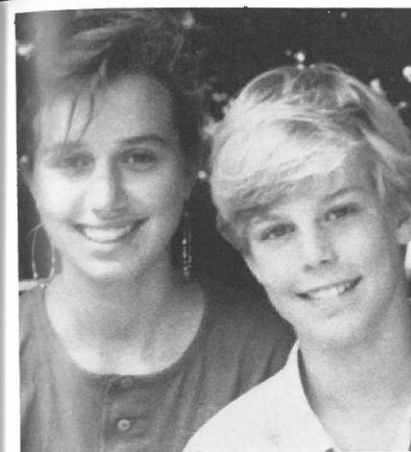
I'm free
and freedom tastes of reality.
-The Who

I did not choose to be what
I am, it is my karma.
-James Clavell

Slow down, you move too
fast, you got to make the
morning last
-Simon and Garfunkel

It's all ball-bearings
these days.
-Fletch

Thank you to all the guys I
hang out with, you guys are
great and it has been a good
time.



TOMORROW IS THE MOST
IMPORTANT THING IN
LIFE. COMES INTO US AT
MIDNIGHT VERY CLEAN.
IT'S PERFECT WHEN IT
ARRIVES AND PUTS
ITSELF IN OUR HANDS.
IT HOPES WE'VE
LEARNED SOMETHING
FROM YESTERDAY.
- JOHN WAYNE

MUSIC IS THE
ARITHMETIC OF
SOUNDS AS OPTICS
IS THE GEOMETRY
OF LIGHT.
-CLAUDE DEBUSSY

Christine Maricka Jessup

THE UNIVERSE IS
FULL OF MAGICAL
THINGS, PATIENTLY
WAITING FOR OUR WITS
TO GROW SHARPER
-EDEN PHILLIPOTS



Ross Johnson

HEAT MA'AM! IT WAS SO DREADFUL HERE THAT I FOUND NOTHING LEFT FOR IT BUT TO TAKE OFF MY FLESH AND SIT IN MY BONES.

- SYDNEY SMITH

FOR THOUGH WE SLEEP, OR WAKE, OR ROAM, OR RIDE, AYE FLEETS THE TIME, IT WILL NO MAN ABIDE.

- GEOFFREY CHAUCER

WISE MEN, THOUGH ALL LAWS WERE ABOLISHED, WOULD LEAD THE SAME LIVES.

- ARISTOPHANES

IF MY FRIENDS ARE ONE-EYED, I LOOK AT THEM IN PROFILE.

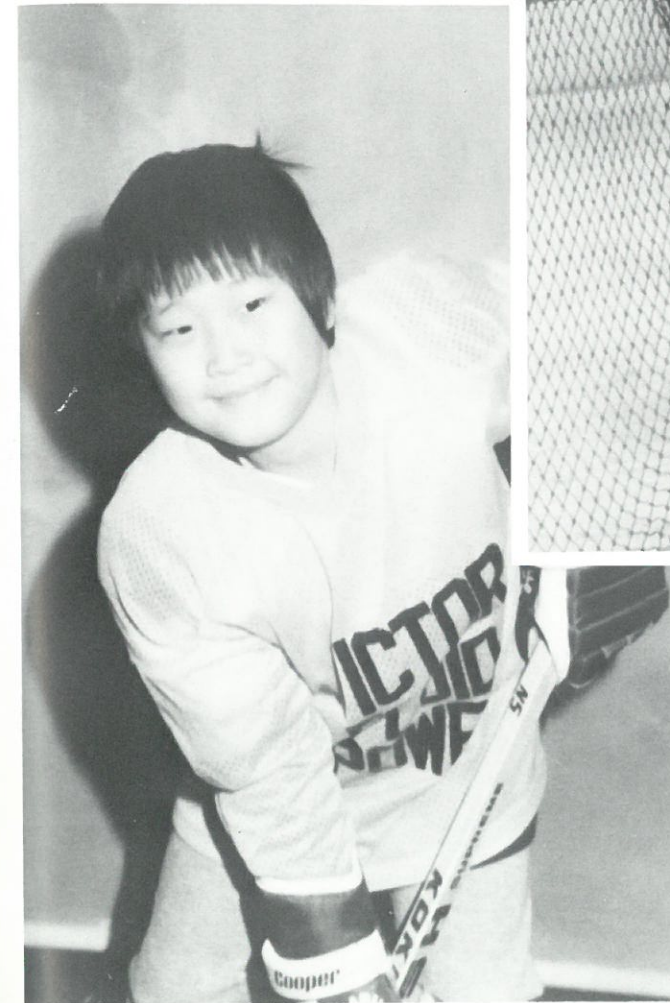
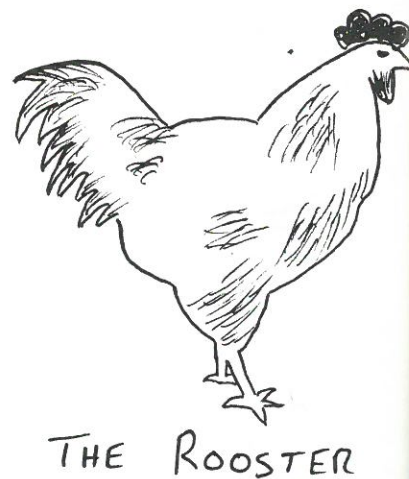
- JOSEPH JOUBERT

I NEVER THINK OF THE FUTURE. IT COMES SOON ENOUGH.

- ALBERT EINSTEIN

IT IS FUN TO BE IN THE SAME DECADE WITH YOU.

- FRANKLIN DELANO ROOSEVELT



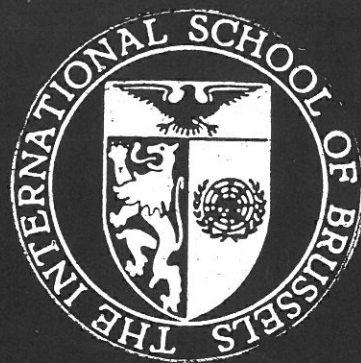
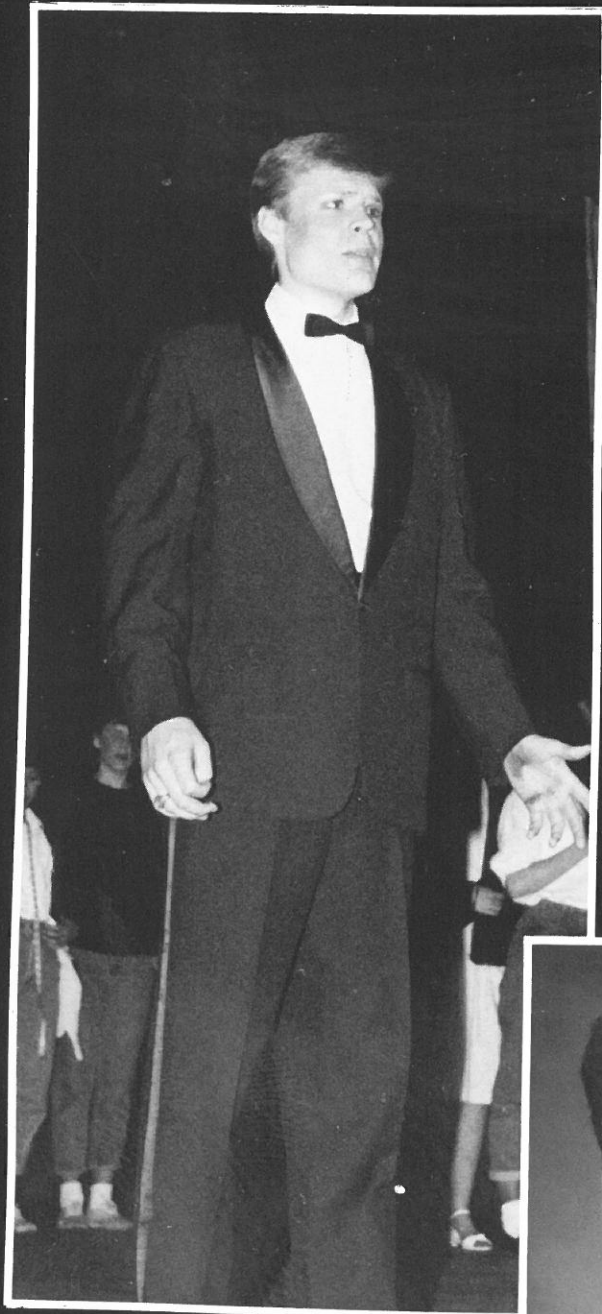
Shawn L. Johnson

To all my family and friends who have supported me over the years, -I LOVE YOU!

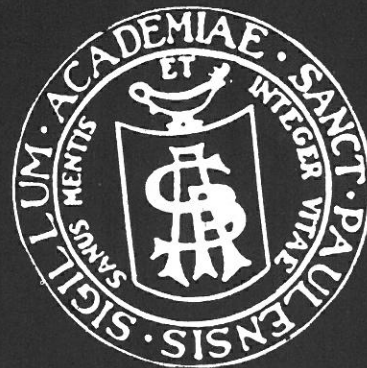
Where's Shawn?!
-Darrin

Life moves pretty fast.
If you don't stop and look around, you'll miss it.
-Ferris Bueller

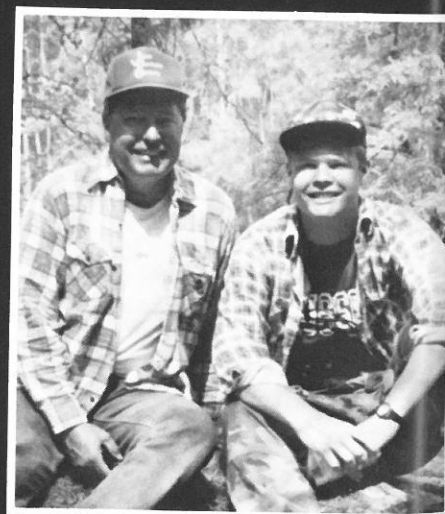
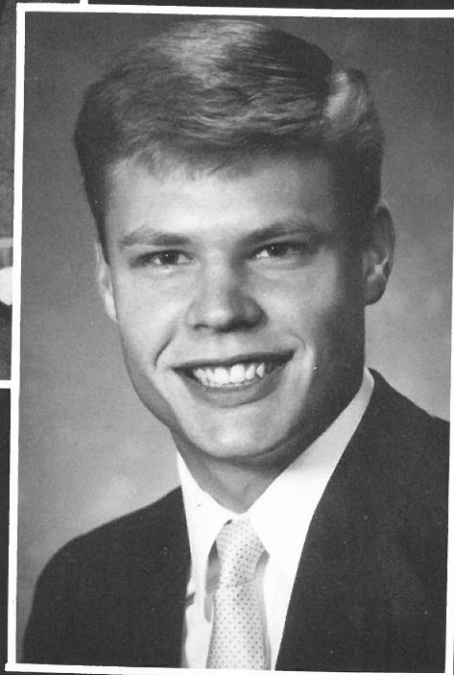




'88-'89



'90-'91



So in everything, do to others
what you would have them do
to you, for this sums up the Law
and the Prophets.

-Matt. 7:12

Thank you for the memories
Julie K., Sean F., and Dan S.

The business of music should in some measure lead to the love of the
beautiful.

-Plato

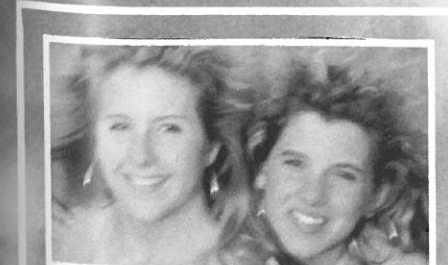
Thank you Mom, Dad, Karen, Susan and Don for all of your support.
I Love You All!

Stuart Michael Johnson

JULIA

LOXLEY

KAEMMER



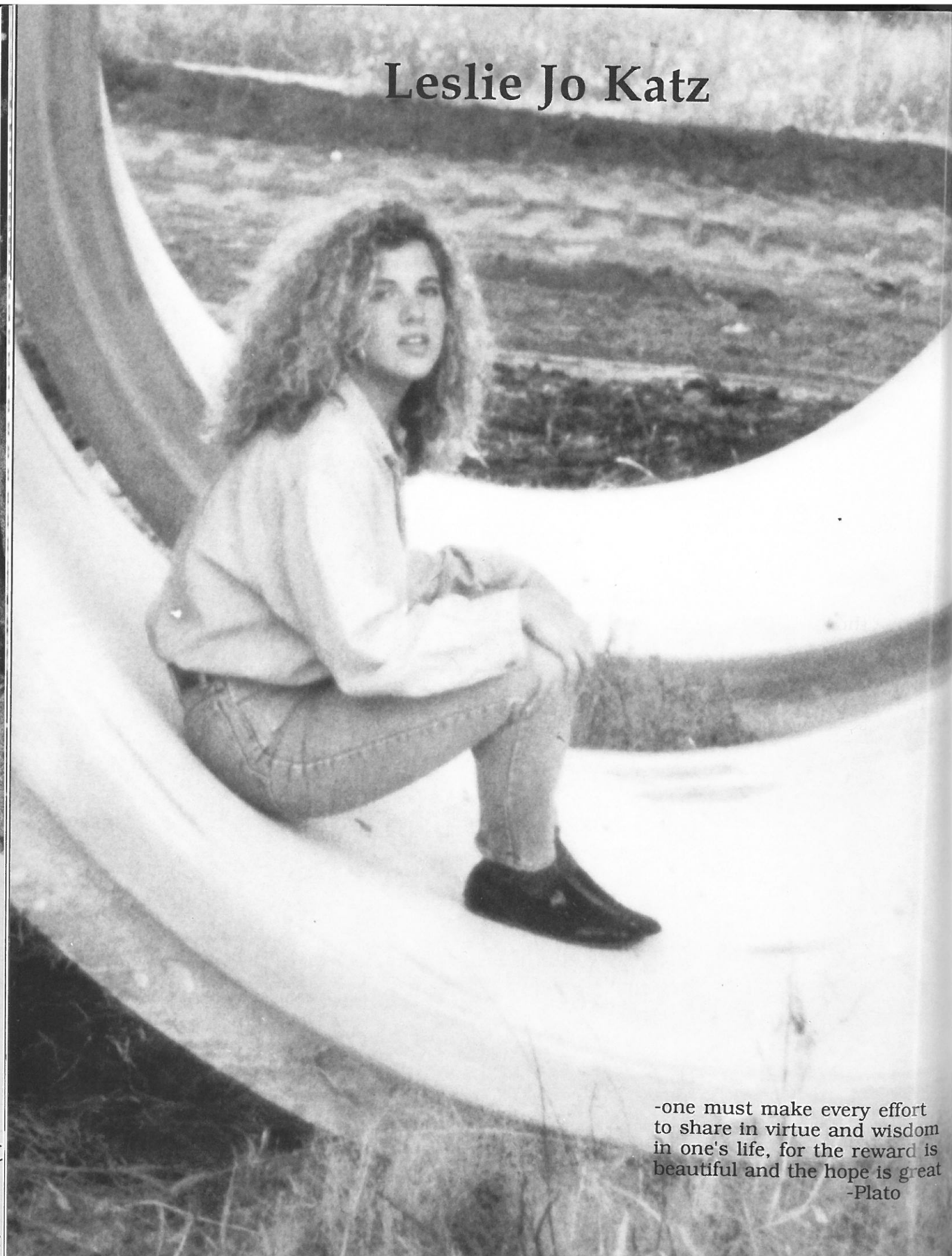
Even though I leave will I go on believing
that this time is real
-am I lost in this feeling. ?-Enya

we can see the light
we can feel the warmth
we can see it shine
we can see it all in our lifetime-T.C.

THE ONES: ...you'll never see
the end of the road
while you're travelling with me. -C.H.
EMH: you're in my heart...-R.S.
LJK: ... you gets everything.
Love to M&D, FCK, SMJ,
and to those above, thanks.



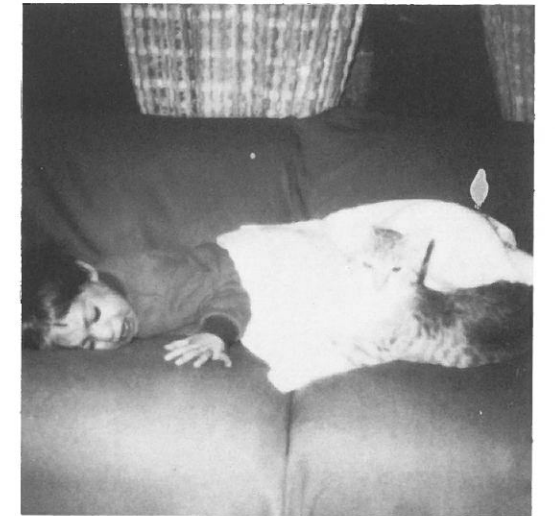
Leslie Jo Katz



-one must make every effort
to share in virtue and wisdom
in one's life, for the reward is
beautiful and the hope is great
-Plato



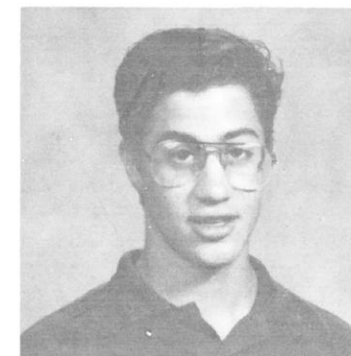
SAMEER
KHAN



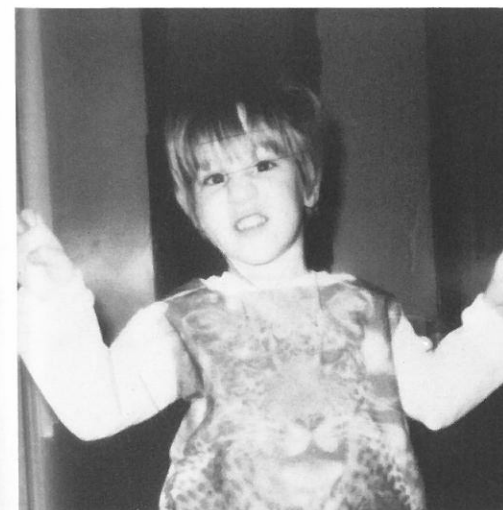
I suspect everyone and I suspect no one.
-Peter Sellers

It was hell down there.
-Peter Sellers

Better to remain silent
and be thought
a fool than to
speak out and remove
all doubt.
-Abraham Lincoln



Impressive... most impressive.
-James Earl Jones



Better make that two
-T. Dalton



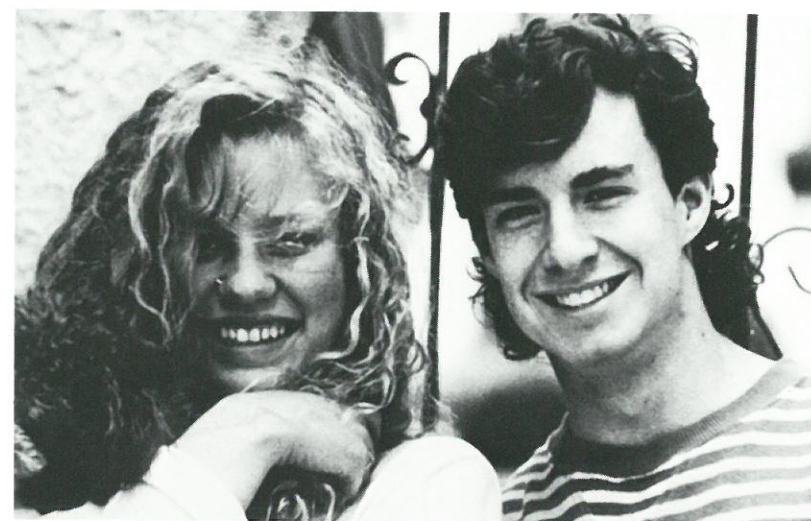


And at once her soul
took flight - for on the
path to find the Goddess -
she had stumbled upon
herself - So her journey
was complete.



I dreamt that cats and dogs -
and lots and lots -
came all around me,
and I said, "You be happy to me,
I'll be happy to you." - ^{Sonia} Dennis

"you are a lover. Borrow
Cupid's wing's, and soar
with them above a common
bound." - Mercutio - Romeo & Juliet
- W. Shakespeare

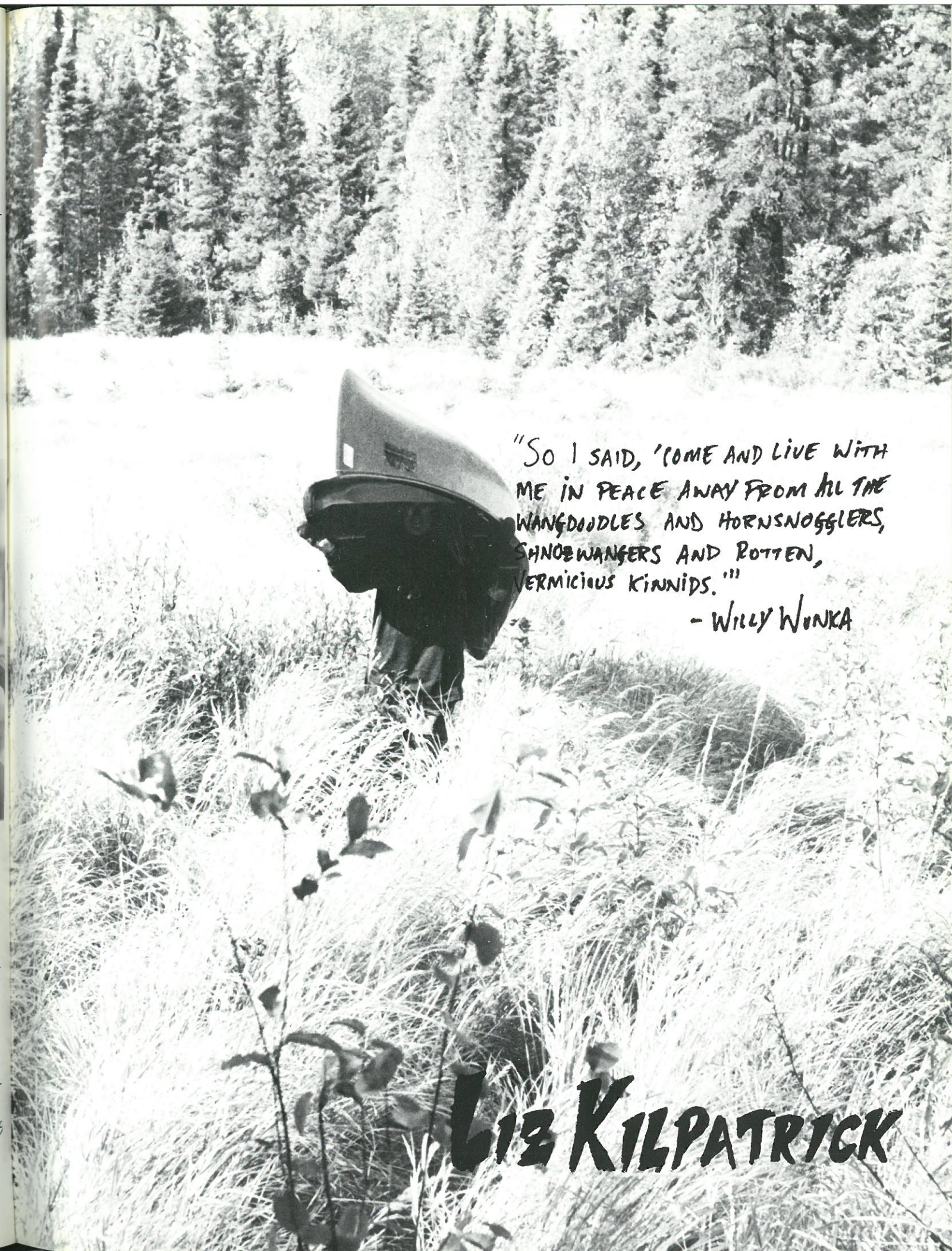


~ "Love is lak de sea. It's
uh movin' thing, but still and
all, it takes shape from de
shore it meets, and it's different
with every shore." - Janie - Their Eyes
were Watching God - Zora Neale Hurston

Thank you!
Amy & Kelly - my favorite women - for your
constant love and support.
Brice - I love you - thanks for understanding
me!
K.J. & N.S., too!

Bryn Erin Kiel

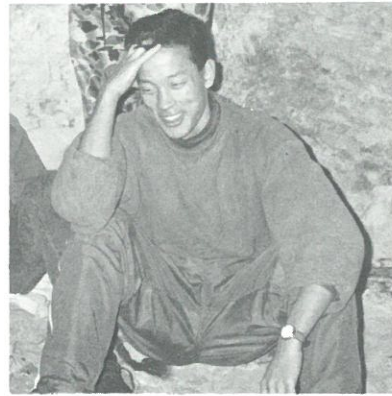
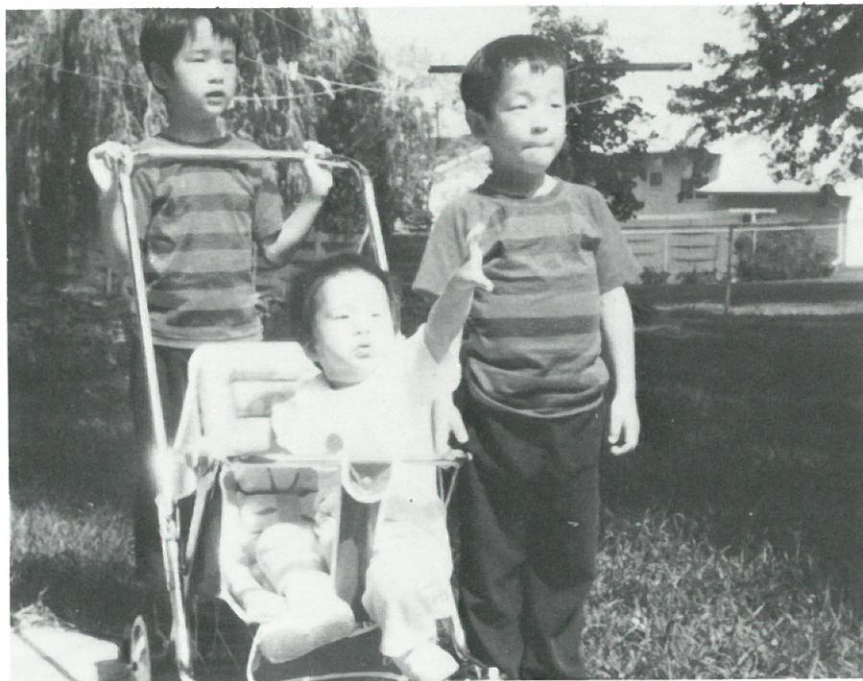
Seize the Day!



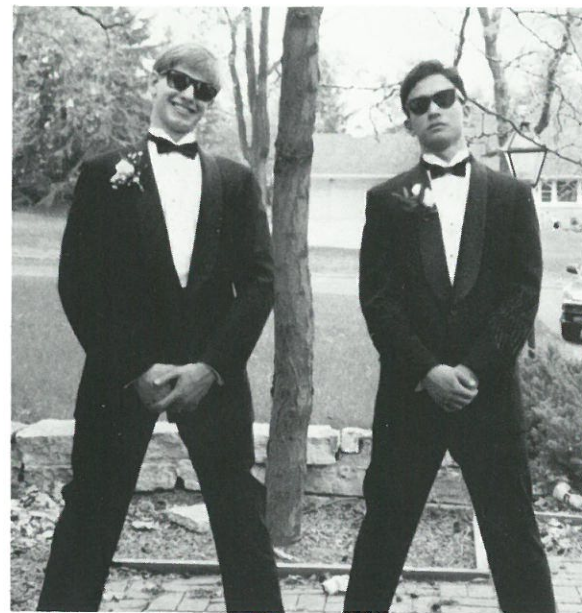
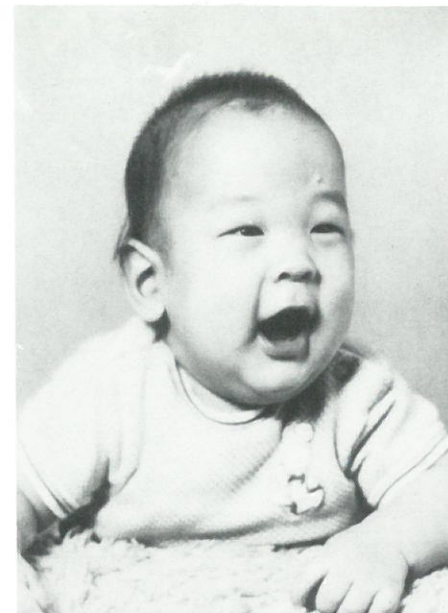
"So I said, 'COME AND LIVE WITH
ME IN PEACE AWAY FROM ALL THE
WANGDOODLES AND HORNSNOGLERS,
SHNOBWANGERS AND ROTTEN,
VERMICIOUS KINNIDS.'"

- Willy Wonka

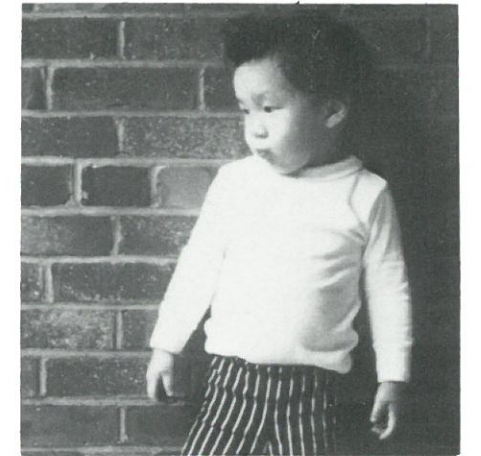
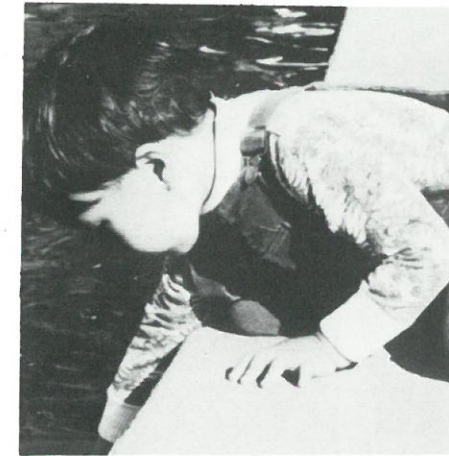
LIZ KILPATRICK



To be without a friend, is to be poor, indeed.
- a proverb from Somalia.



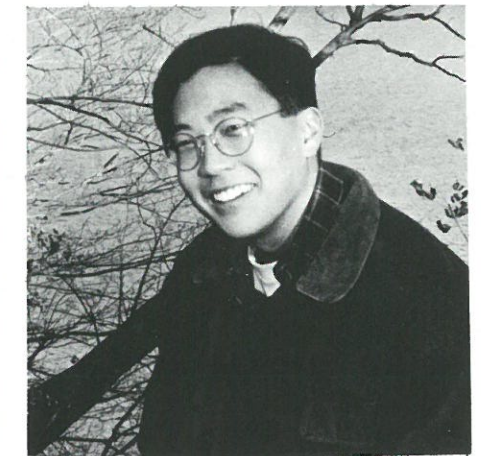
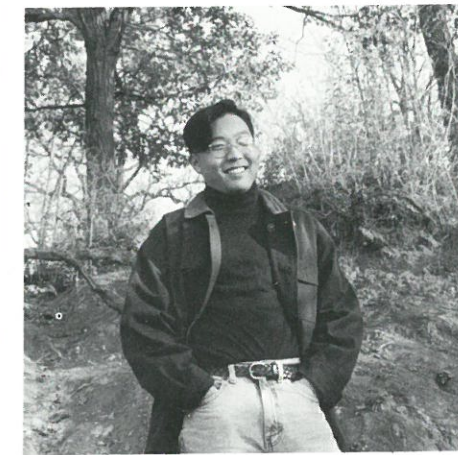
Jesse Kim



SOURI KIM

AT A TIME LIKE THIS, CURIOUSLY YOU BEGIN TO THINK OF THE THINGS YOU REGRET OR THE THINGS YOU MIGHT MISS. I WOULD LIKE IN GENERAL TO TREAT PEOPLE WITH MUCH MORE CARE AND RESPECT. I WOULD LIKE TO CLIMB A TALL HILL; NOT TOO TALL. AND SIT IN THE COOL GRASS; BUT NOT TOO COOL, AND FEEL THE SUN ON MY FACE. I WISH I COULD HAVE CRACKED THE LINDBERGH KIDNAPPING CASE.... AND OF COURSE, IT GOES WITHOUT SAYING THAT I WOULD LIKE TO VISIT TIBET. I WISH THEY COULD GET THEIR COUNTRY BACK, AND THE DALAI LAMA COULD RETURN. OH, I WOULD LIKE THAT VERY MUCH. ALL IN ALL, A VERY INTERESTING EXPERIENCE.

- KYLE MCCLACHLAN, AS SPECIAL AGENT DALE COOPER.





Ah, but a man's reach should exceed
his grasp, Or what's a heaven for?
-Robert Browning

Logic is the art
of going wrong
with confidence.
-Anonymous

Chris Krampf

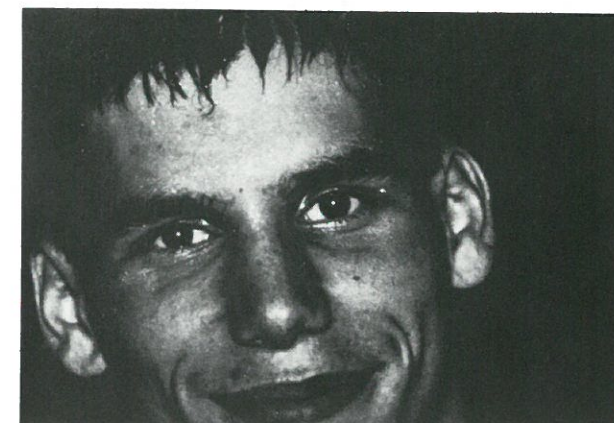


Idealism increases in
direct proportion to one's
distance from the problem.
-John Galsworthy

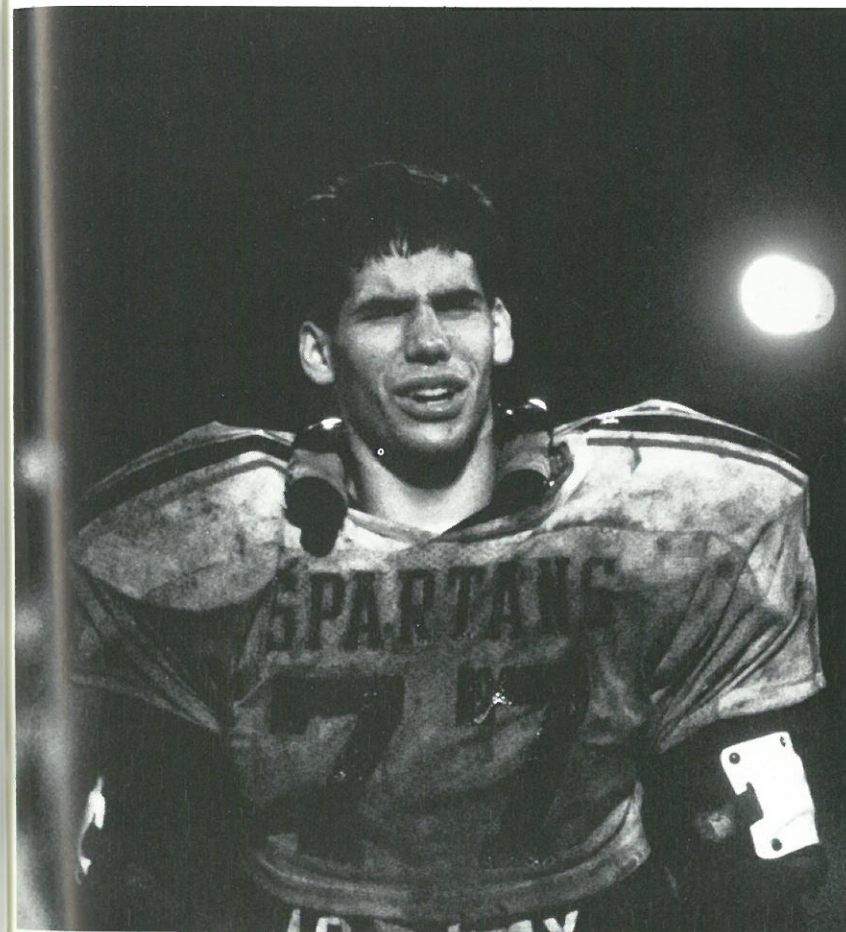
Thank you everyone,
especially Mom and Dad,
for making these years so
wonderful!!



Josh Kriesel



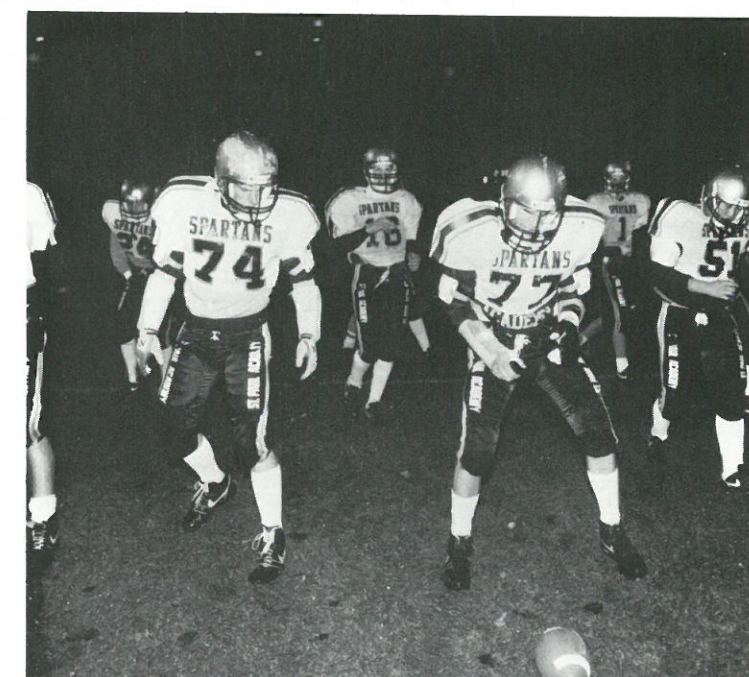
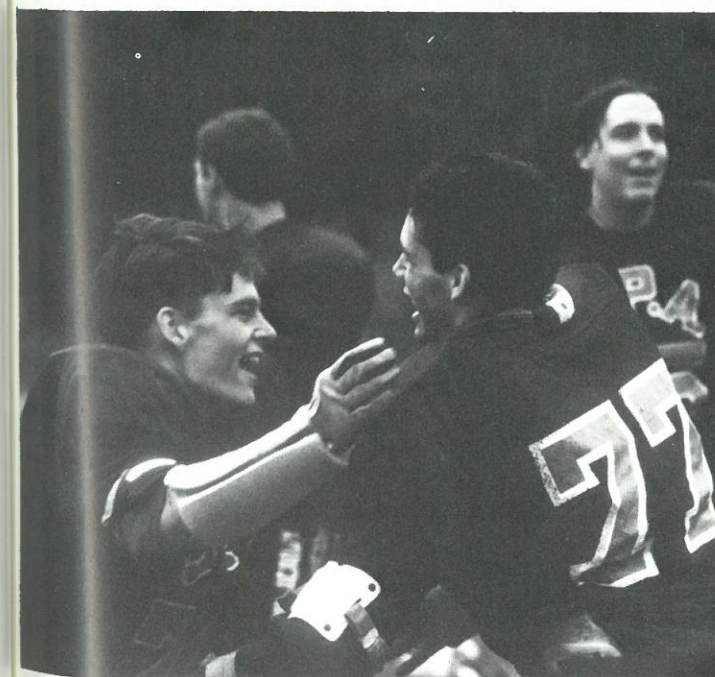
Thank God... the police.
-Fletch

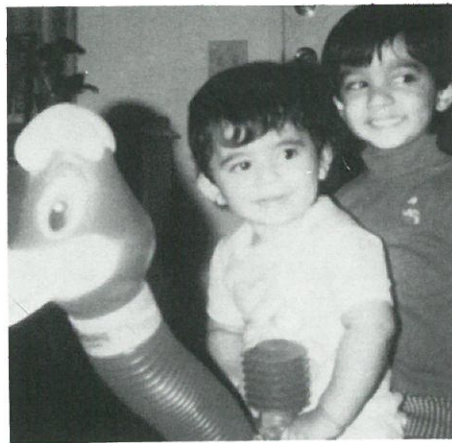


The character you've
built here will be
with you for the rest
of your life. -Lou



To me football is about
the will to endure,
playing hard and
fighting back. -Monty





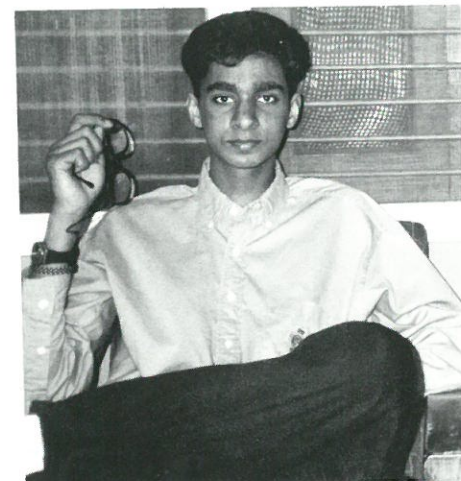
Seniors-
Saywutchyalike
Eatwutchyalike
Gowhereyalike
Playwutchyalike, etc.
.... the point is
DOWUTCHYALIKE!!

-me with a little
help from the
underground

THANKS: Rohit,
Mom and Dad for
all the love and
opportunity you've
given me. Also,
thanks to all my
senior friends who
never cease to make
life interesting.



OHHH!
WHAT A GLORIOUS DAY!
- Homer Simpson



RATUL
KUMAR



I'll C.U. in court!!
- Some guy from L. A. Law

"de do do do
de da da da
is all I want
to say to you."
- The Police



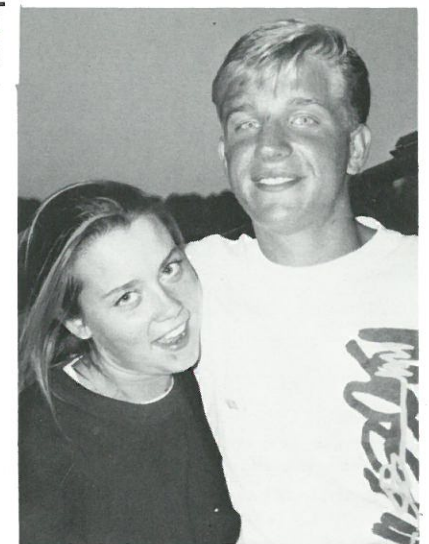
You can do what you want
The opportunities are and
If you find a new way
you can do it today.
You can make it all true
And you can make it un-do...
- Cat Stevens



HILARY CLAIRE LEBON

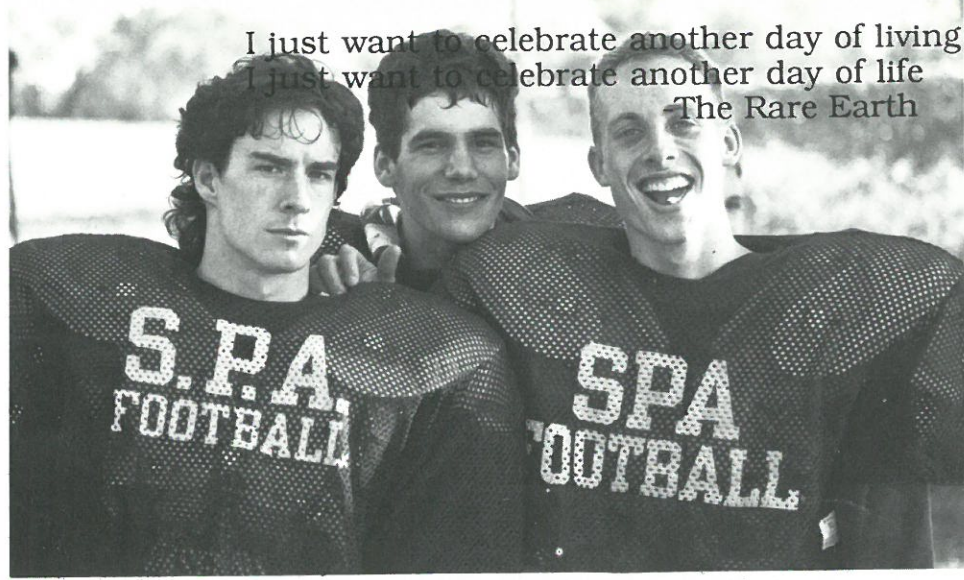
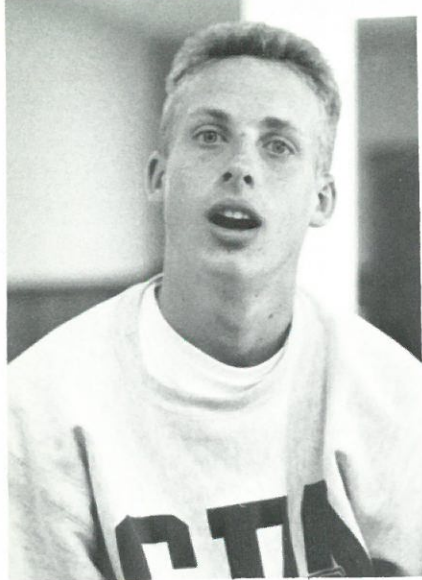


Sail on silver girl, sail on by.
Your time has come to shine.
All your dreams are on their way.
See how they shine...
- Simon and Garfunkel



You must forgive me if I'm up and gone to Carolina in my mind - JT

Thank you Mom, Dad, Tim, and Sarah. You got me through some tough times that shaped me, and I can't ever pay you back. Thank you everyone I have ever known and cared about. You made me what I am today and forever.

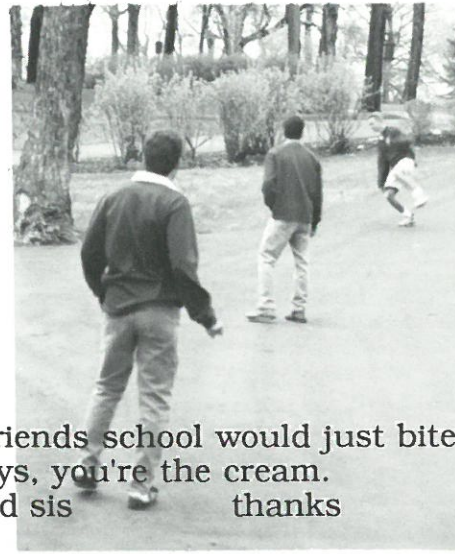
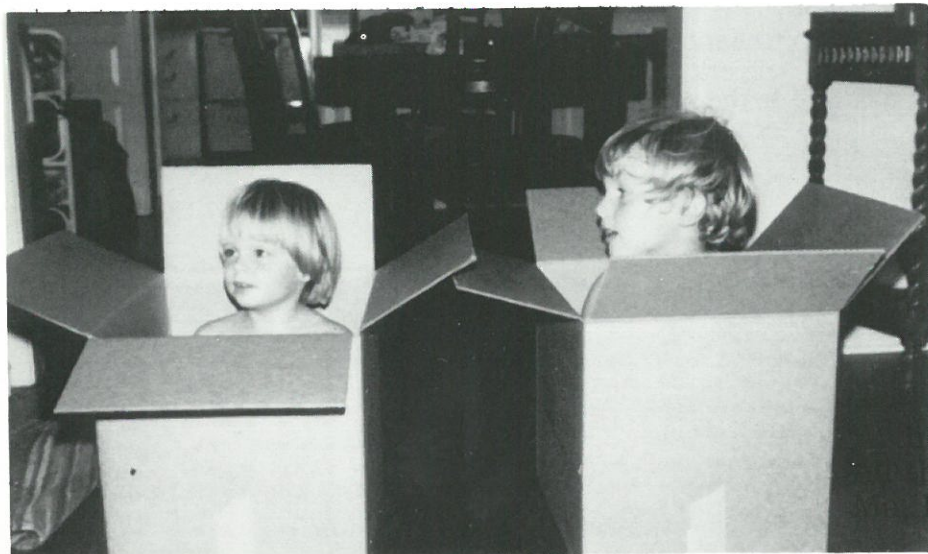


I just want to celebrate another day of living
I just want to celebrate another day of life
-The Rare Earth

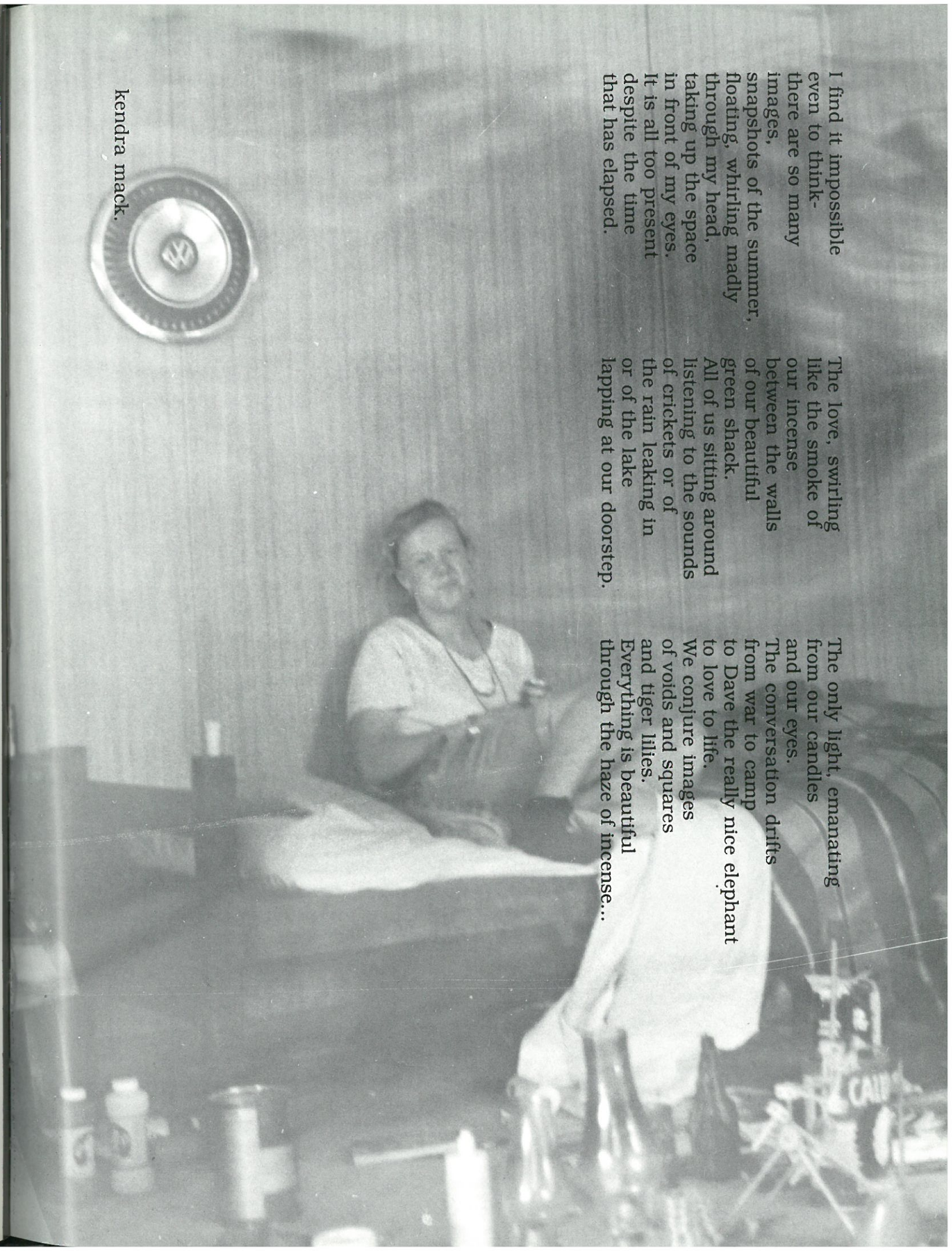


Lighten up while you still can
don't even try to understand
just find a place to make your stand
and take it easy
-The Eagles

SAM I AM



out friends school would just bite
the guys, you're the cream.
Pa and sis thanks



I find it impossible
even to think-
there are so many
images,
snapshots of the summer,
floating, whirling madly
through my head,
taking up the space
in front of my eyes.
It is all too present
despite the time
that has elapsed.

The love, swirling
like the smoke of
our incense
between the walls
of our beautiful
green shack.
All of us sitting around
listening to the sounds
of crickets or of
the rain leaking in
or of the lake
lapping at our doorstep.

The only light, emanating
from our candles
and our eyes.
The conversation drifts
from war to camp
to Dave the really nice elephant
to love to life.
We conjure images
of voids and squares
and tiger lilies.
Everything is beautiful
through the haze of incense...

kendra mack.

These are the seasons of emotions,
And like the wind they rise and fall.

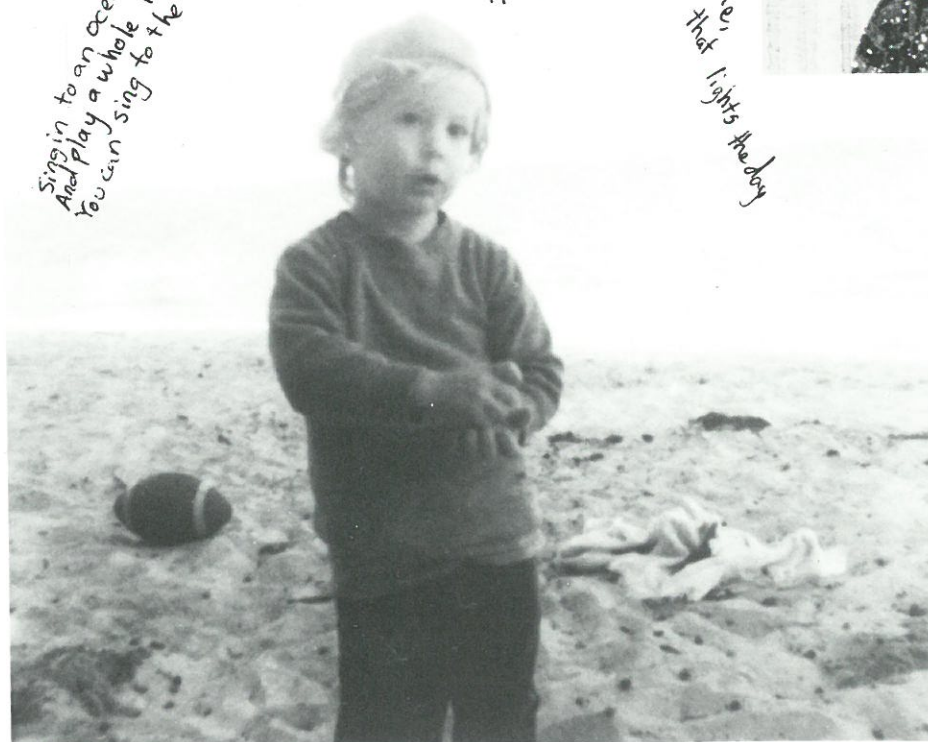
This is the wonder of devotion
I see the torch we all must hold.
This is the mystery of the closing quotient.
Upon us all a little rain must fall.
- Led Zeppelin

Walkin' the line of a razor's edge,
Take it as far as she goes
Slice of the sky on a silver wedge
Higher and higher we go
- Aerosmith

Singin' to an ocean, I can hear the oceans roar. Play for free, Play for me, Play for me, that lights the day
And play a whole lot more. Singin' of the good things, And the sun
You can sing to the mountains, Has the ocean lost its way.

- Led Zeppelin

A broom is dreamily sweeping
Up the pieces of yesterday's life
Somewhere a queen is weeping
Somewhere a king has no wife
And the wind cries Mary.
- Jimi Hendrix



Matt Mahoney



I shall be telling this with a sigh
Somewhere ages & ages hence:
Two roads diverged in a wood, and I—
I took the one less traveled by
And that has made all the difference
- Robert Frost

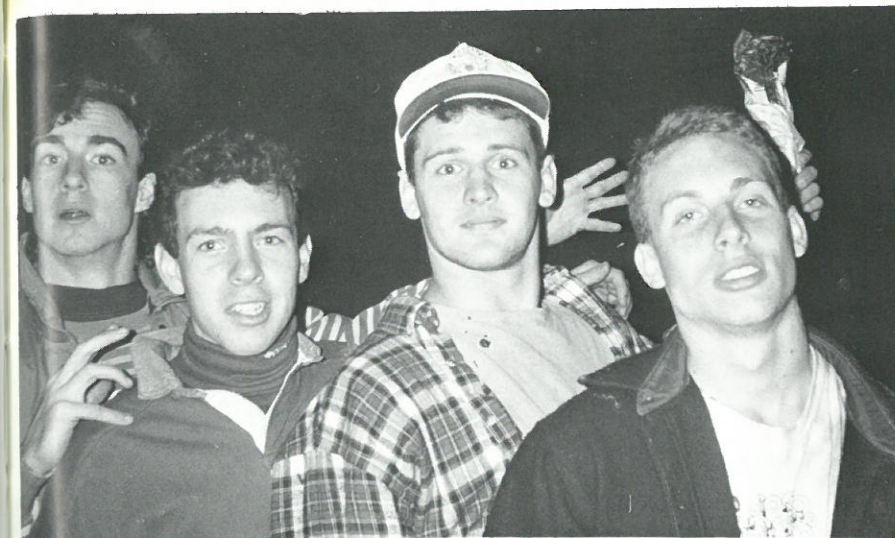
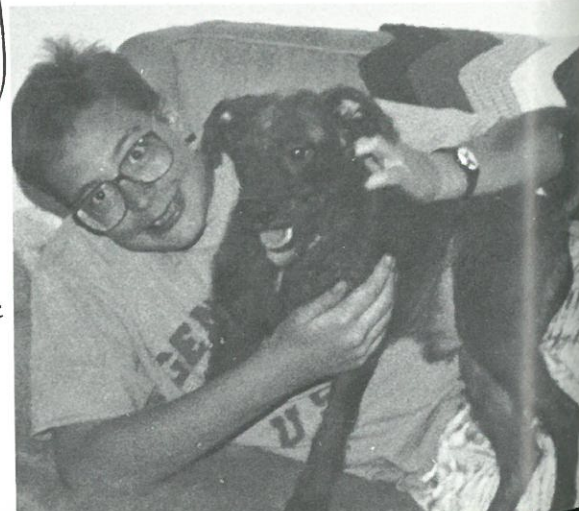
Oh my head is poundin', poundin',
Goin' round & round and round & round
Must there always be these colors
Without names, without sounds
- Jimi Hendrix



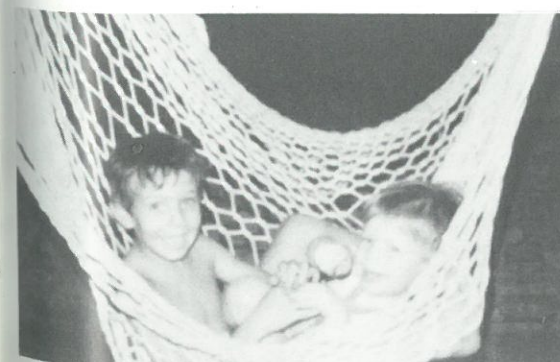
So get off your ass and get on down here.
We rock on roll ain't no riddle, man.
To me it makes good, good sense.
- AC/DC

Has he lost his mind
Can he see or is he blind.
Can he walk and talk,
Or if he moves will he fall.

Is he live or dead,
I see thoughts within his head.
We'll just pass him there,
Why should we even care
- Ozzy Osborne



Time to walk
Time to run
Time to aim your arrows at the sun
Go real slow you'll like it more and more
Take it as it comes
Specialize in having fun



Love and thanks to:
Mom, Dad, Colin,
Seth, Jesse, Brian,
Brice, Sammy, Stack,
Matt, and Peterson.



David Joseph Mahoney

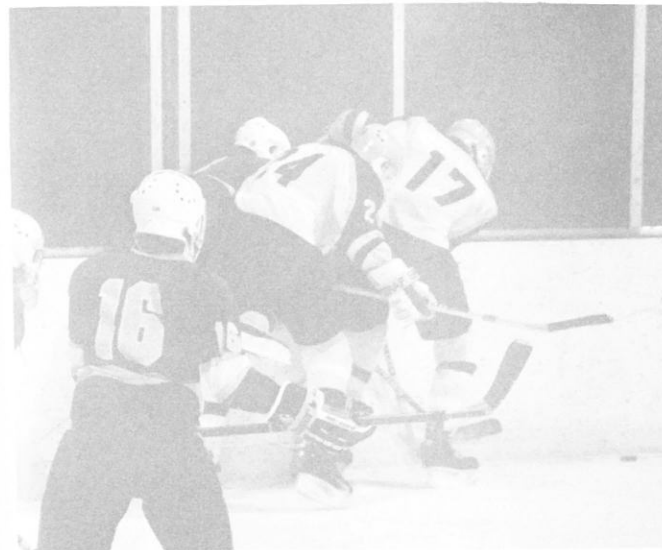
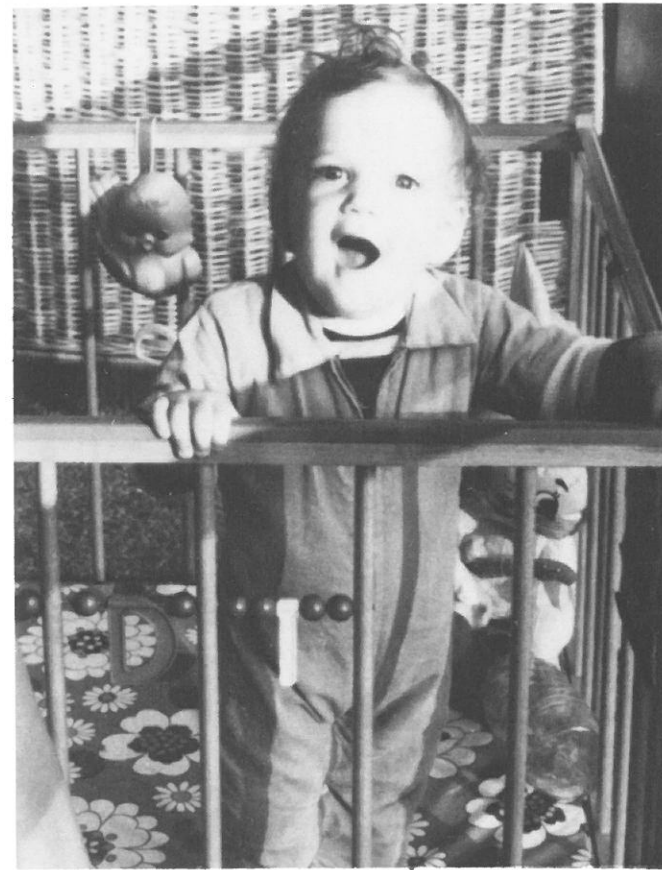


Shannon Colleen McCarty



"Is that the end of the story?" asked Pooh.
That is the end of this one but there will
be others.
- A.A. Milne

Very special thanks
J.C., J.S., R.R., K.J., D.S.
I love You!



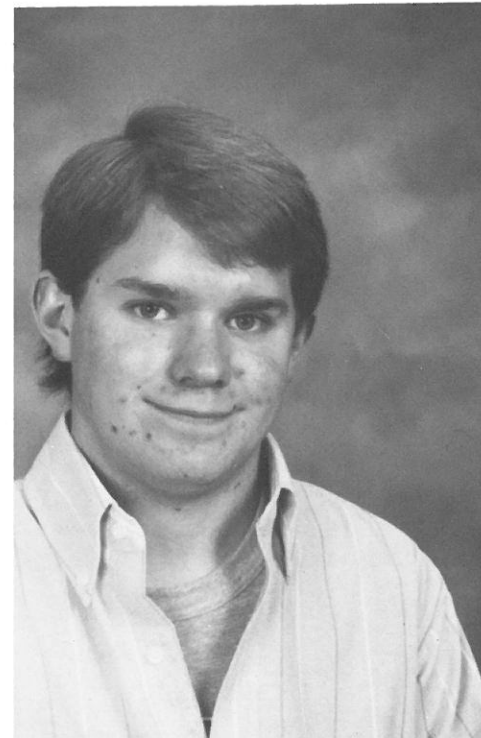
"If you could put a tail on a Cheerio...."
-Michael Barnett, 1983



Christina Morris

Douglas John Mullin

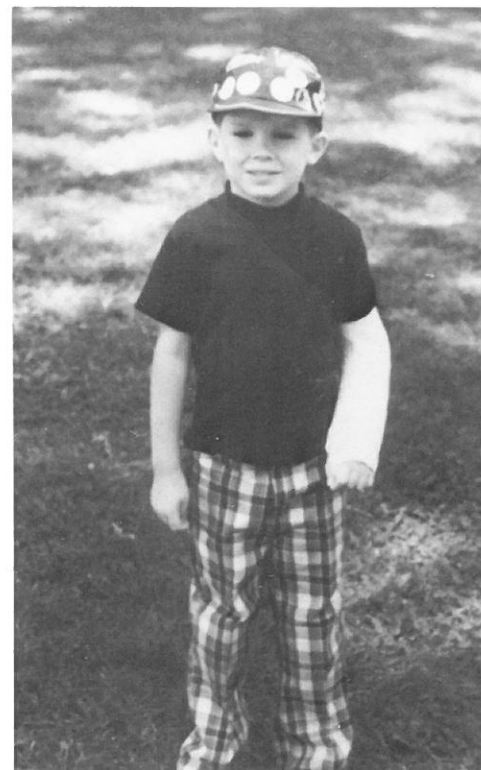
Wash your hands
always before
coming to school.
-William Mather



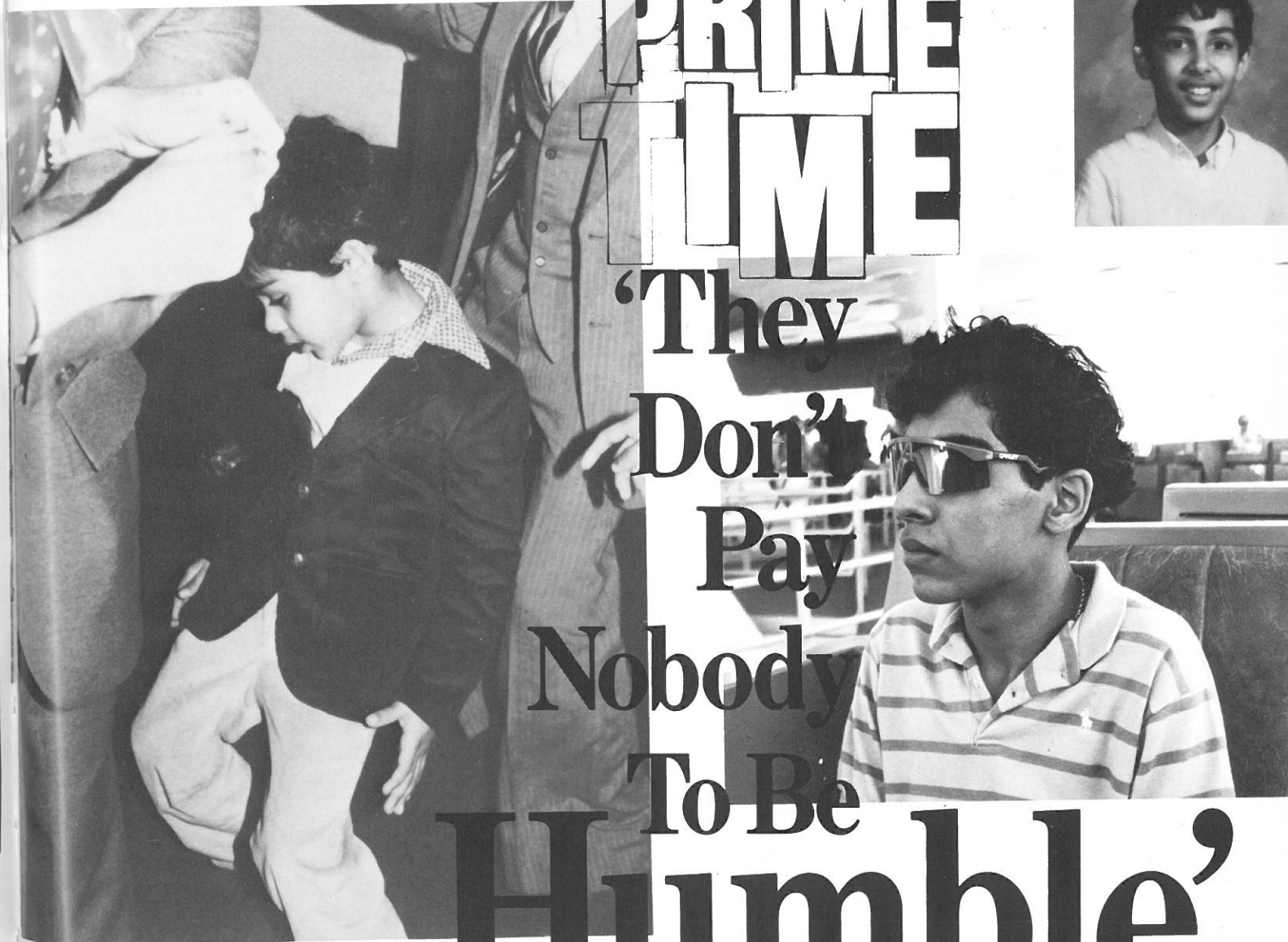
Mediocrity knows
nothing better
than itself, but
talent instantly
recognizes genius.
-Sir Arthur
Conan Doyle

I think we need to
add a little realism
to your list.
-Ms. Donovan

The homework habit is
disgraceful. Children
loath homework, and
that is enough to
condemn it.
-A.S. Neil



Deepak Nath



-DO ME, BABY!
-BBD

**PRIME
TIME**
**'They
Don't
Pay
Nobody
To Be
Humble'**

Dan Nyberg

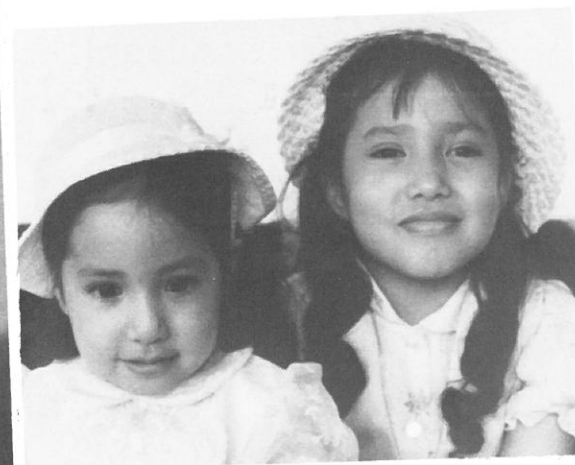


Thanks.



Myra Elizabeth Parker

It's easy living with your eyes
closed, misunderstanding all
you see. -Beatles



Far away there in the sunshine
are my highest aspirations. I
may not reach them, but I can
look up and see their beauty,
believe in them, and try to
follow where they lead.

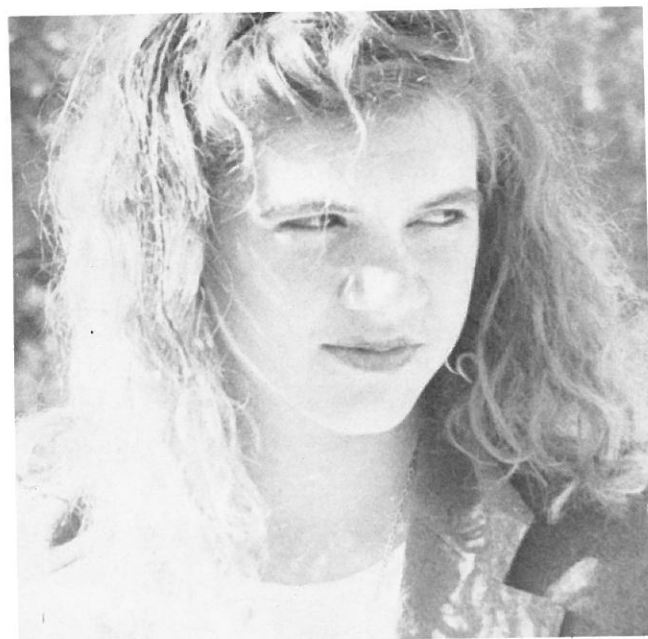
-Louisa May Alcott

Dude.



Don't think of things that make you sad, just remember all the good times that you had.
 School days were the happiest days of your life, but we never appreciate the good times we had until it's too late. I miss all the acquaintances we made and I'd go back if I could only find a way
 - The Kinks

Nobody cares what you do,
 Please be yourself to death.
 - David Bowie



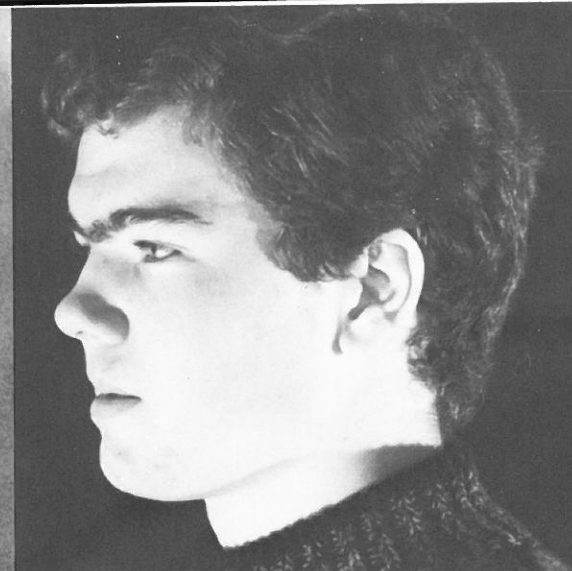
If we have done all they say we have,
 We must have had a pretty good time.
 - Anonymous

Melanie Rae Parson



Champions. Champions. Champions.
 - Ralph Akale

And where does the power come from
 to see the race to its end?
 - From within.
 Chariots of fire



The man who makes no mistakes
 does not usually make anything.
 - Edward John Phelps



A little rebellion now and
 then is a good thing.
 - Thomas Jefferson



JAMES ERIC
 PETERSON



Common sense is not so common.
 - Voltaire



There is nothing permanent
 except change.
 - Heraclitus

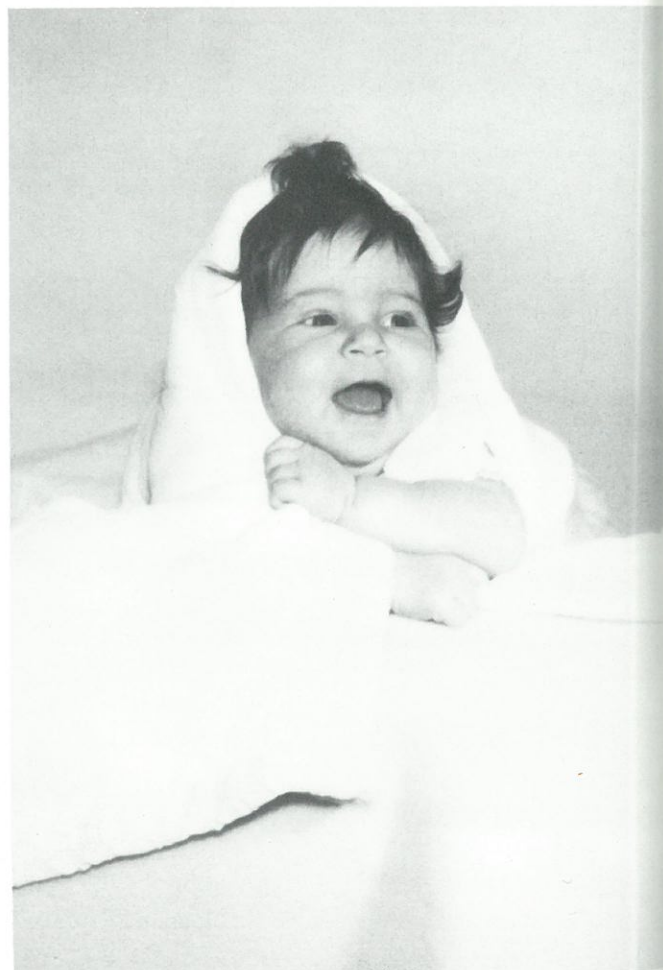
Life's but a
walking shadow,
a poor player
that struts
and frets his
hour upon the
stage, and
then is heard
no more; it is
a tale told
by an idiot,
full of
sound and fury,
signifying
nothing.

— William
Shakespeare



Leah Beth Reich

Apparently there is nothing
that cannot happen.
— Mark Twain



JOEL PATRICK RIAN

So often, my poetry's simple intent
of conveying a thought shall fade,
for alas,
The grammar is muddled and twisted,
and bent
around rhythm and rhyme
that it so comes to pass
that the meaning flies away
like a frightened bird
on a stormy day,
for it is lost in the words.
— Me



What shall I do,
that I am now free?
The Doors of the World
lay open to me
Where shall I go,
and what shall I see?
Whom shall I meet,
and what shall I be?"
I recently asked of myself,
and lo,
I got in reply,
"You already know;
Pick up and follow your heart,
and go."

— Ioelus Litteratus
Priscus



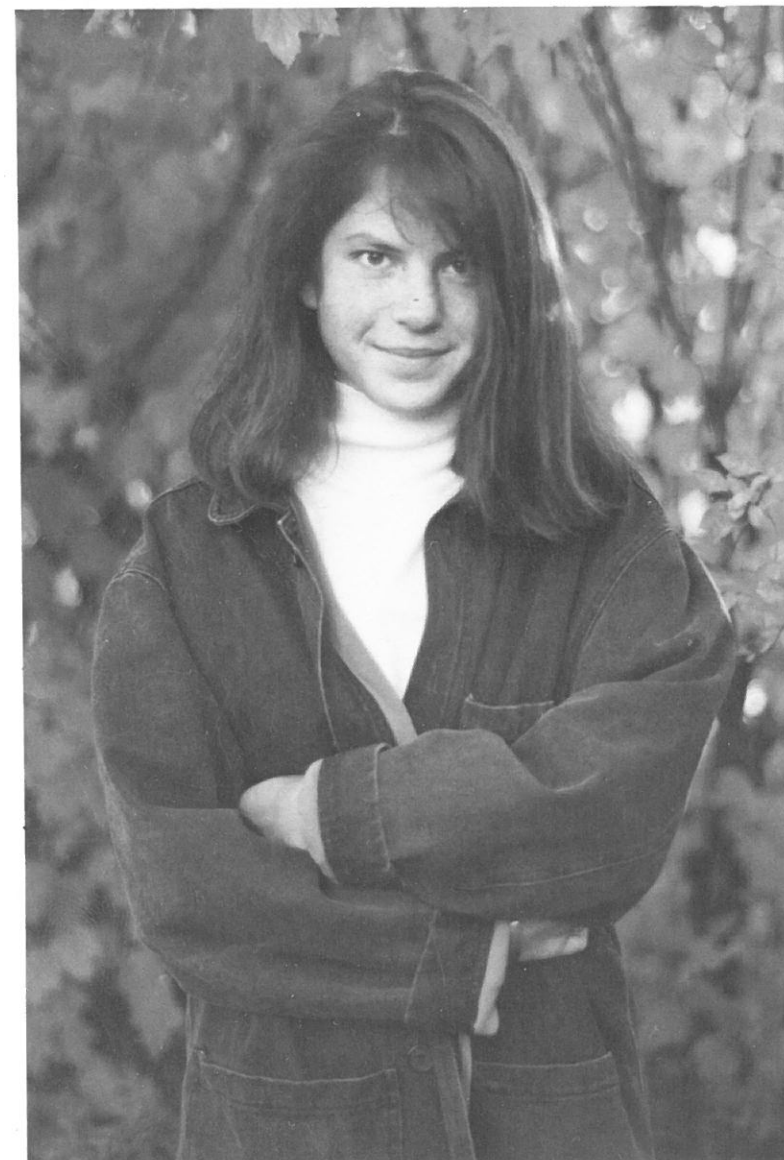
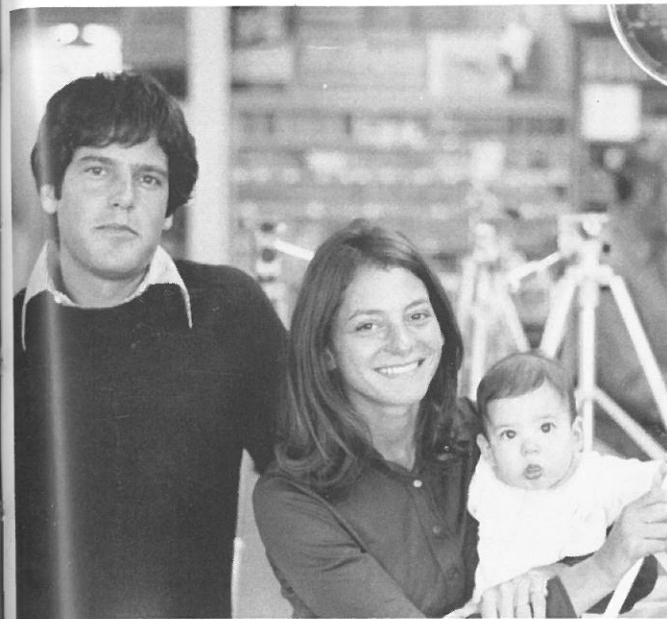
お元気で、
これを読む(ことがで"る)
みんなさん！

Thanks to: Esther R.- for always being there, Heather F.- for showing me the pleasures and the pain (mostly pain) of love, Laila G.- for helping to heal the scars left by Heather, Lara L.- for caring, Dylan S. and Aaron L.- for being too swank for words, Jean L.- for being, well...Jean, Eoin V.- for all the fun we've had, Courtney and Amy - for being my most ardent supporters, Sean F. and Shab A.- for making my time here a little more bearable, and last but not least, Martha B.- for making my life a lot more interesting than it would have been otherwise. Love to you all,

Sasha Robinson

"It was incredible!"

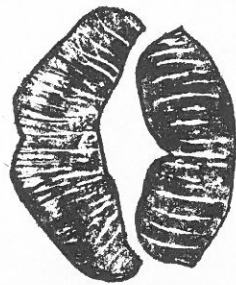
Jean Labbe



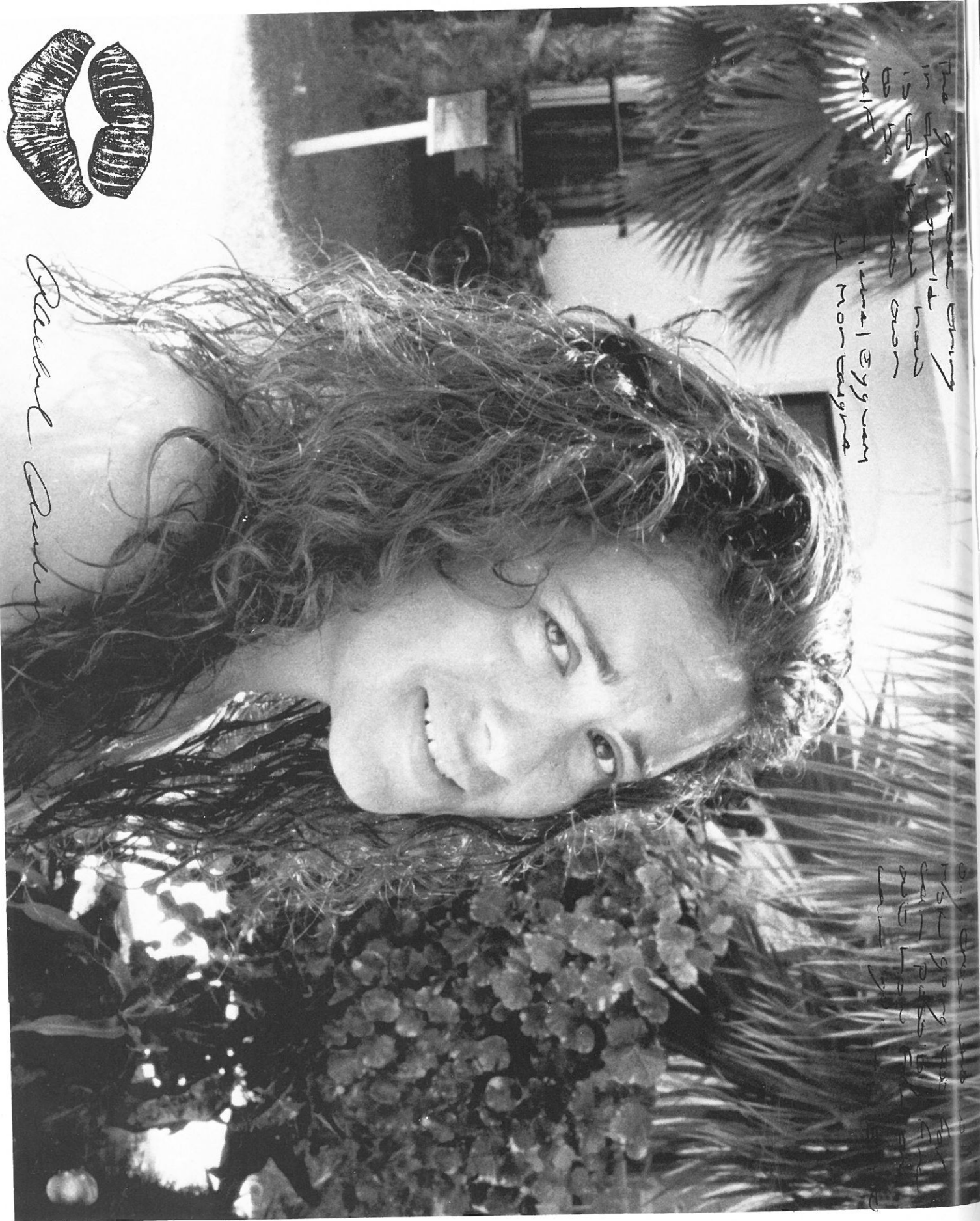
If someone loves a flower,
of which just one single blossom grows
in all the millions and millions of stars,
it is enough to make him happy
just to look at the stars.

-The Little Prince

Betsy Rosenberg



Robert Cantrell



The greatest thing
is the spirit that
is in you and how
to be a person
and not a machine

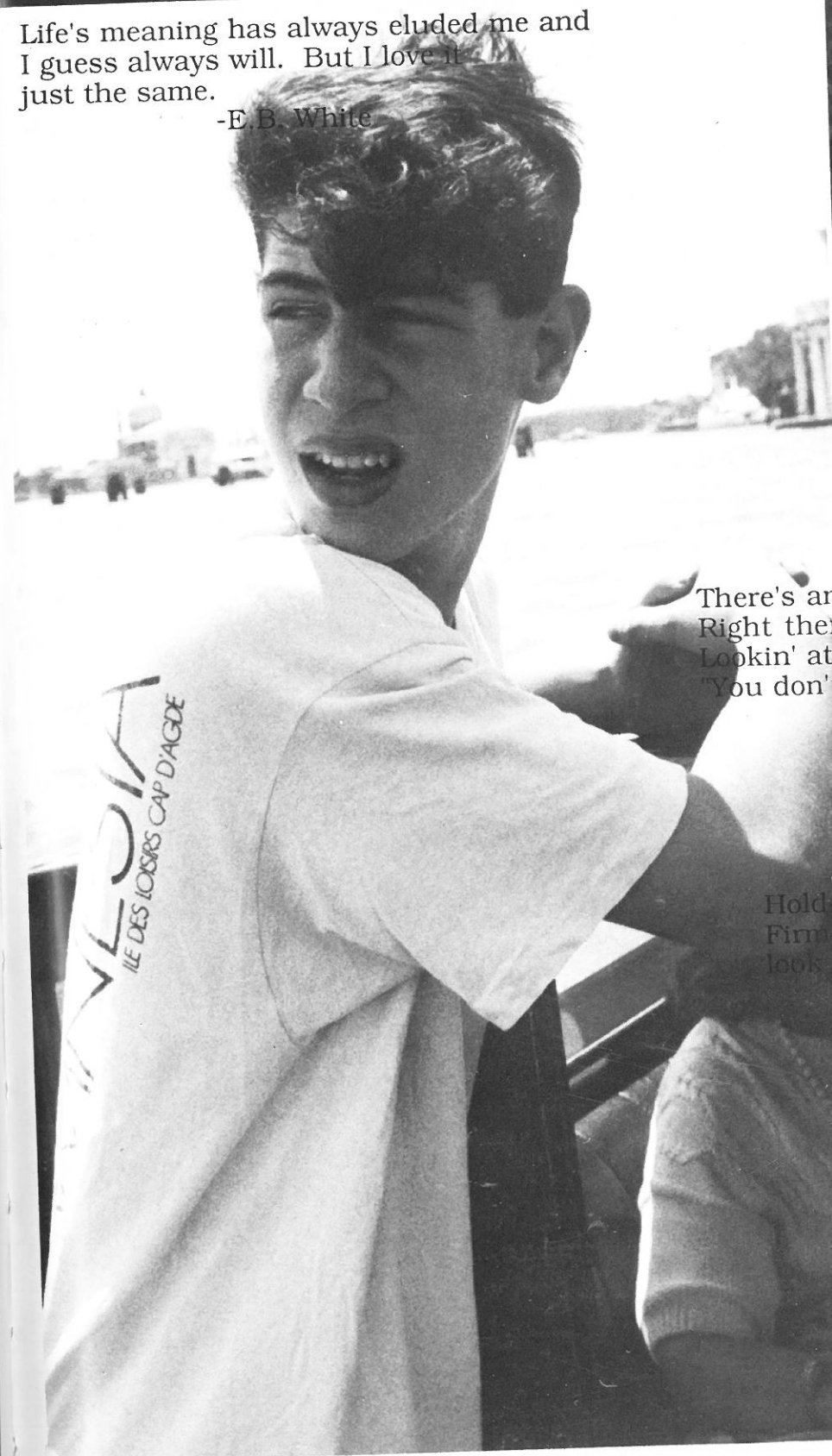
Only one thing
is for sure
and that is
you are here
and you are
not going to
be there

Aaron Beers Sampson

Death or Glory
-The Clash

Life's meaning has always eluded me and
I guess always will. But I love it
just the same.

-E.B. White



There's an eyeball in the gumball machine,
Right there between the red and green,
Lookin' at me as if to say,
"You don't need any more gum today."

-Shel Silverstein

Hold on, my Unicorn, pursue thy track
Firm to thy Motto, then thou may'st
look back.

-Wright of Holderness
in Plowland, Yorkshire

Yes there are two paths
you can't go back, but in the
long run there's still time
to change the road you're on.

-Led Zeppelin

You've got to cry without weeping
talk without speaking
scream without raising your voice.

-U2



A vasectomy is
never having to say
you're sorry.
-Rubin Carson

We don't see many
fat men on stilts.
-Bud Miller

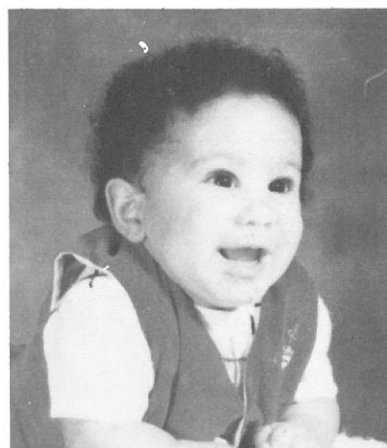
I believe I've found
the missing link
between animal
and man. It is us.
-Konrad Lorenze



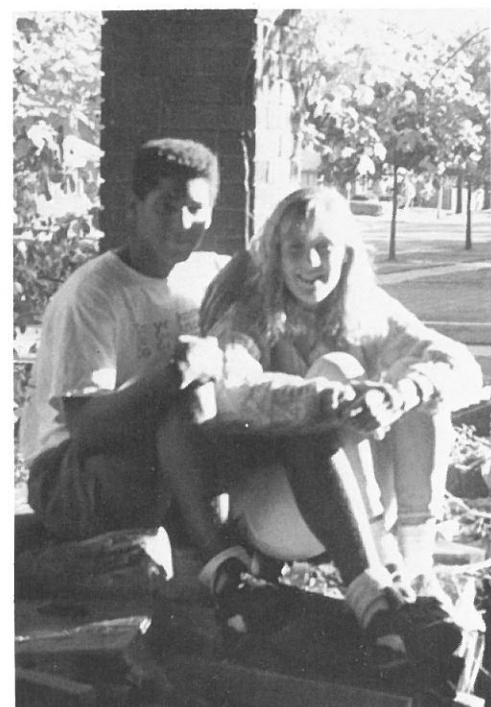
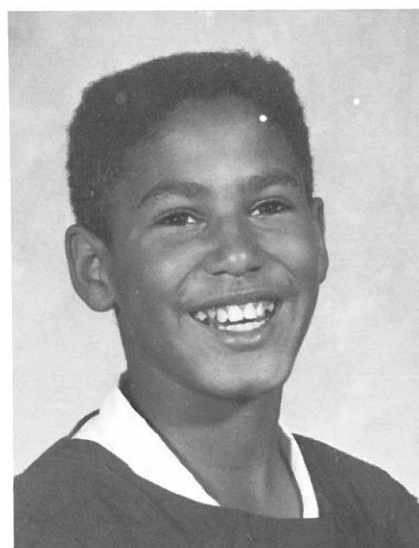
A brother is like one's
shoulder.
-An Old African Proverb

There is no phrase without a
double meaning.
-An Old African Proverb

The older a man grows the
faster he could run as a boy.
-Red Smith

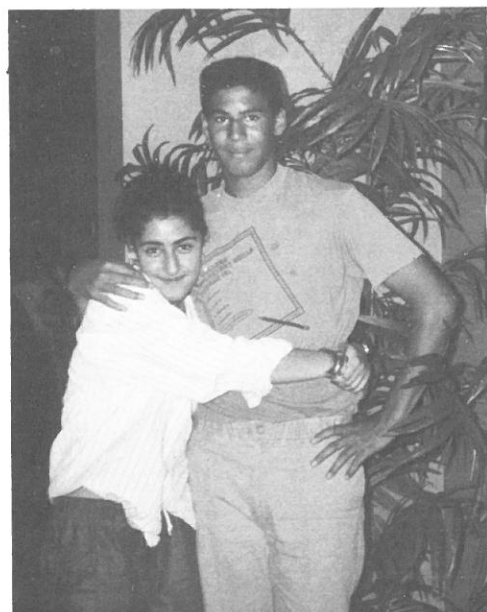


**MIKE
SANNEH**

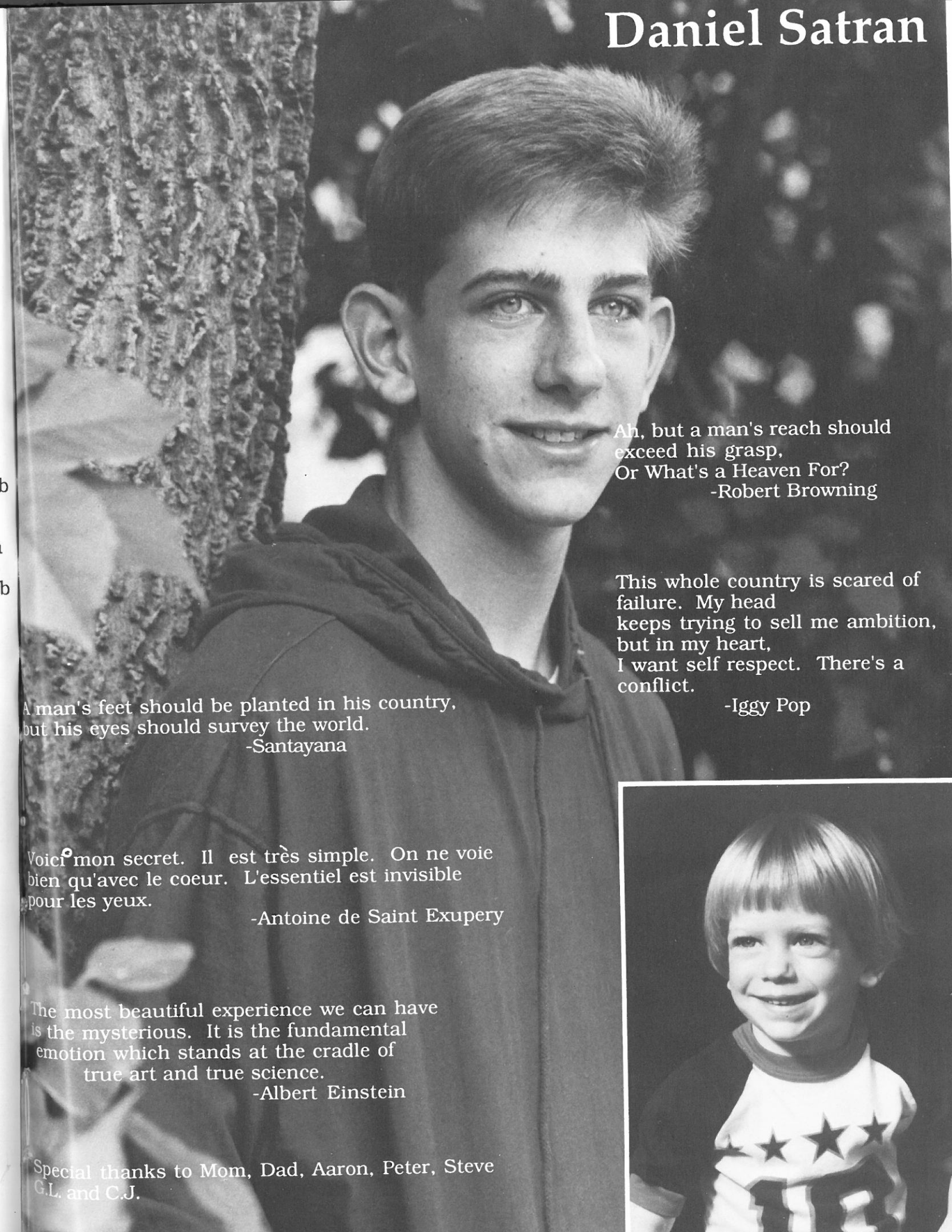


But there can hardly be a doubt
that we are descended from
barbarians.
-Charles Darwin

A great many open minds should
be closed for repair.
-Toledo Blade



Daniel Satran



Ah, but a man's reach should
exceed his grasp.
Or What's a Heaven For?
-Robert Browning

This whole country is scared of
failure. My head
keeps trying to sell me ambition,
but in my heart,
I want self respect. There's a
conflict.
-Iggy Pop

A man's feet should be planted in his country,
but his eyes should survey the world.
-Santayana

Voici mon secret. Il est très simple. On ne voit
rien qu'avec le coeur. L'essentiel est invisible
pour les yeux.
-Antoine de Saint Exupery

The most beautiful experience we can have
is the mysterious. It is the fundamental
emotion which stands at the cradle of
true art and true science.
-Albert Einstein

Special thanks to Mom, Dad, Aaron, Peter, Steve
G.L. and C.J.





That is to say, she recreated the mountains not as she had originally seen them but as she eventually chose to see them, for a person has not only perceptions but a will to perceive, not only a capacity to observe the world but a capacity to alter his or her observation of it--which, in the end, is the capacity to alter the world, itself.
-Tom Robbins



Then in the middle of the desert I found the well, it bubbled up and down like a litter of cats, and there was water, and I drank, and there was water, and I drank.
-Anne Sexton

There's a history now. At first the words and thoughts and images lay unstrung and unconnected. Now they have feeling, meaning. They come from deeper roots, and the roots are beginning to reveal themselves, the complex patterns in which they lay.

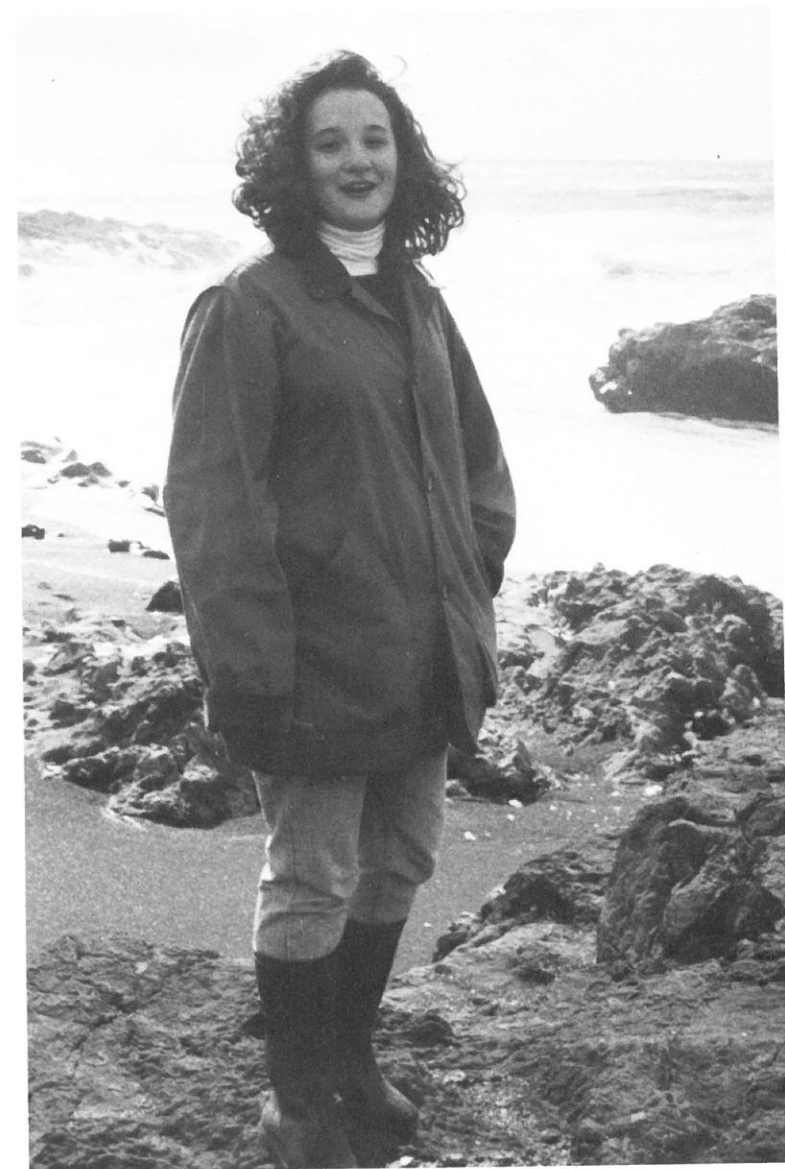
NORAH HARRINGTON SCANLAN



It's not what the world holds for you,
It's what you bring to it.
-L.M. Montgomery



Come forth into the light of things,
Let nature be your teacher....
Spontaneous wisdom breathed by health,
Truth breathed by cheerfulness....
Come forth, and bring with you a heart
That watches and receives.
-W. Wordsworth



On the loose to climb a mountain,
On the loose where I am free,
On the loose to live my life
The way I think my life should be.
For I've only got a moment,
And the whole world left to see,
I'll be searching for tomorrow
On the loose....



I do not envy you and the head ache you will have when you wake,, but in the mean time,
sleep well and dream of large women.
-Wesley
"The princess bride"

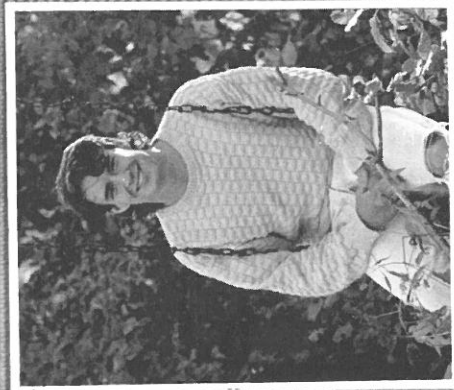
What ever befalls the earth befalls the children
of the earth.
-Chief Seattle

The rain and the clouds sometimes tell jokes,
to each other of course. The rain cannot tell jokes
well, and the clouds are always trying.

Sometimes we sing to the planets...
they offer us advice about things
but everyone knows that the advice of the
planets cannot be trusted, so we are polite
and thank them, but laugh when they
can no longer hear us.

The planets are happy, and so are we...
the clouds are still sad

"When you look into the abyss, the abyss also
looks into you."
-Friedrich Nietzsche



Brice Semmens

Everything under the sun is in tune
but the sun is eclipsed by the moon
- Pink Floyd



Jupiter and Saturn
Oberon Miranda and Titan
Neptune tide turn
Stars can frighten
- Syd Barrett

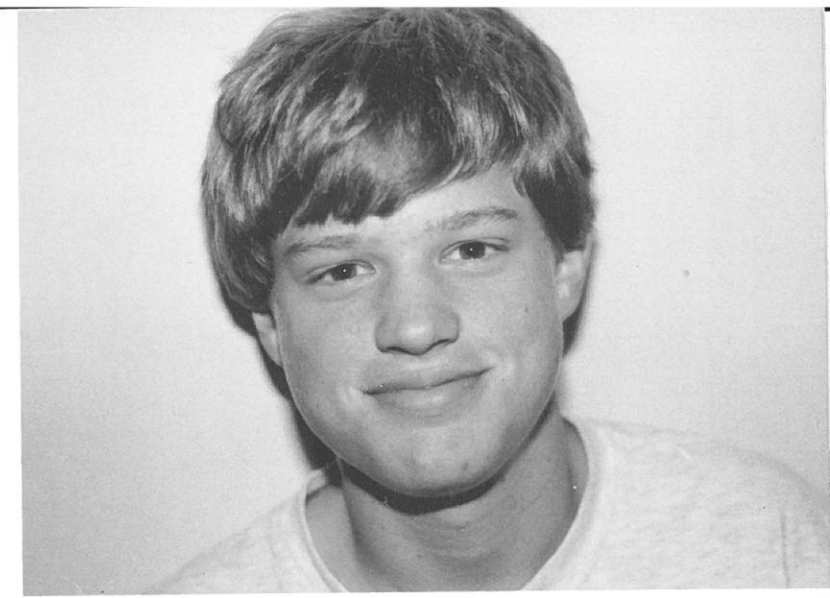


Music seems to help the pain
Seems to motivate the brain
- Pink Floyd



This is what you want
This is what you get
- Hardware

Daniel Edward Sheehy



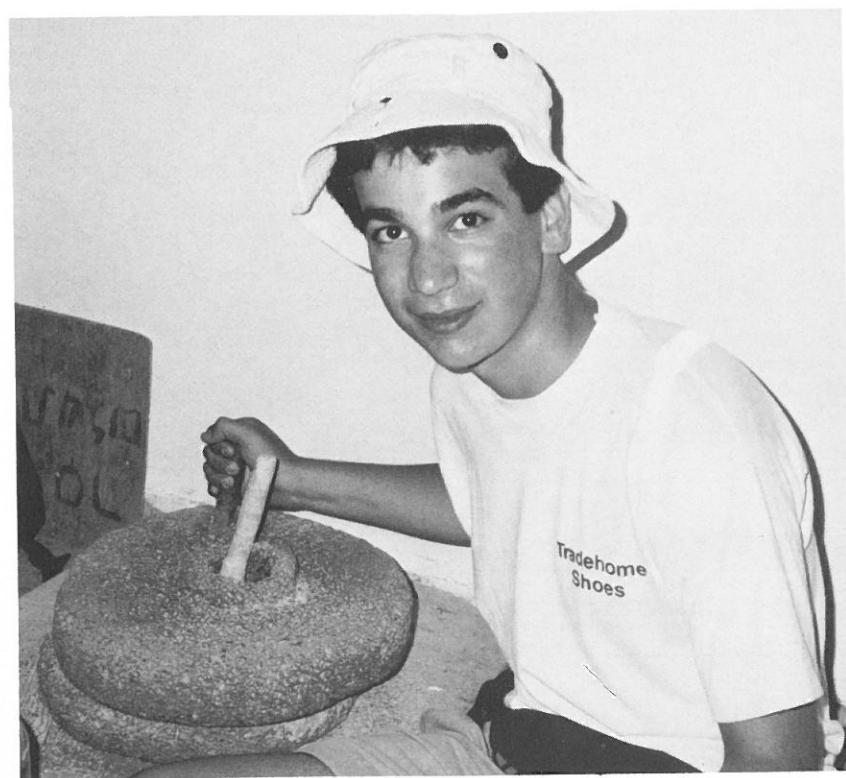


"Elementary, my dear Watson."
-Sherlock Holmes

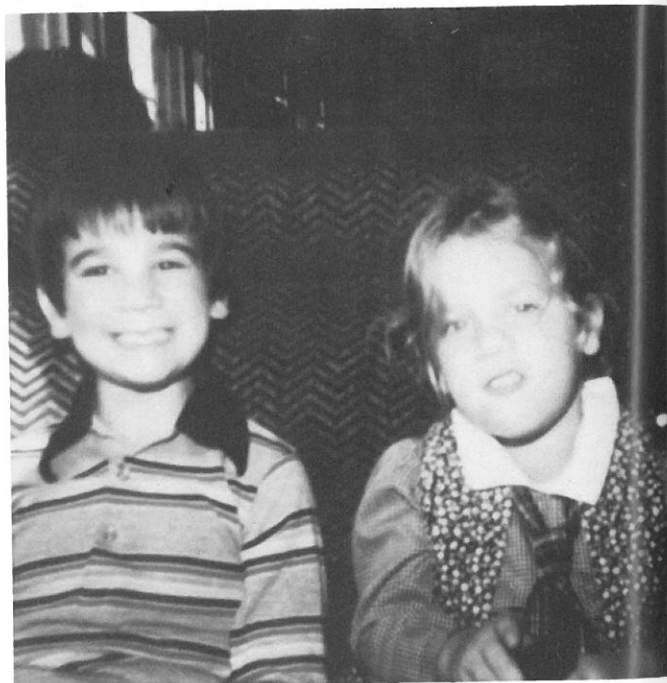
What's past is prologue.
-Shakespeare

If I am not for myself, who will be for me?
And if I am only for myself, what am I?
And if not now, when?
-Hillel

Say little and do much:
and receive everyone with a cheerful face.
-Shammai



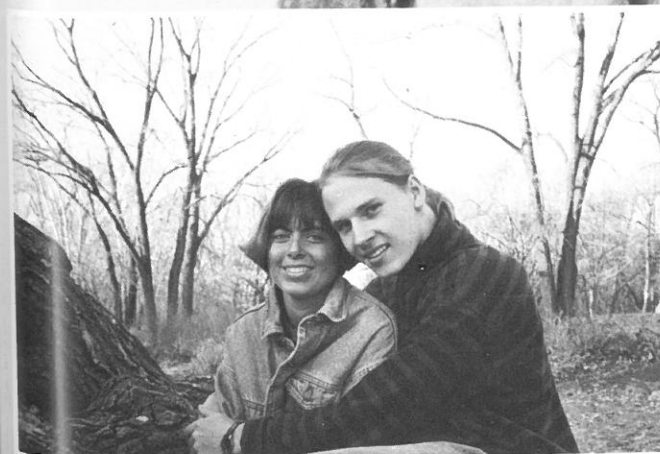
DAVID
ZEV
SMITH



David Alexander Sorensen

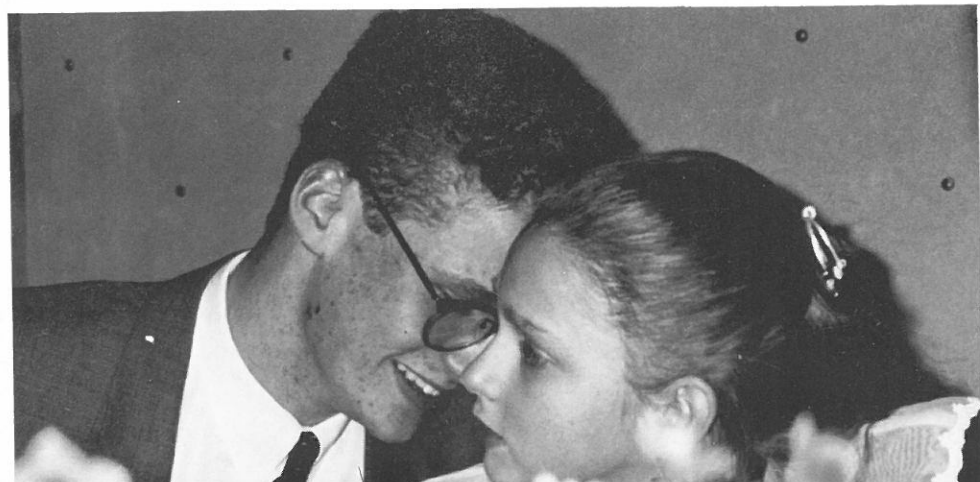
Night is shelter for nudity's shiver.
Jane's Addiction

They may say,
"Those were
the days...."
but in a way, you know
for us these are the
days. Yes, for us these
are the days, and you
know you're my girl!
Such a classic girl...
Jane's Addiction





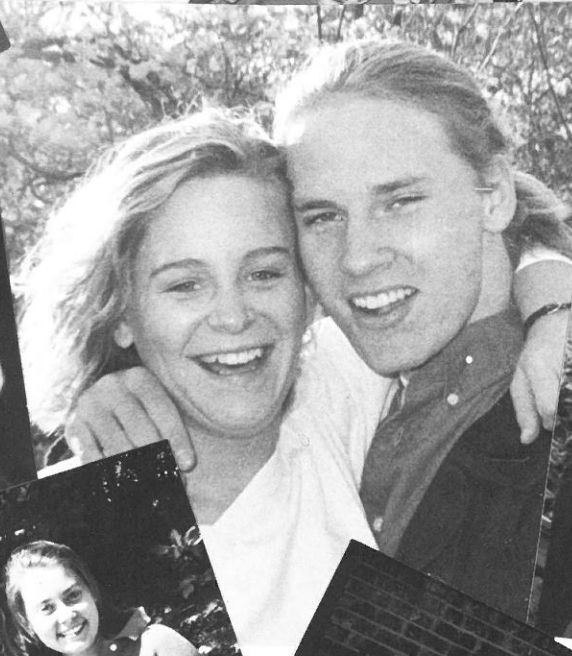
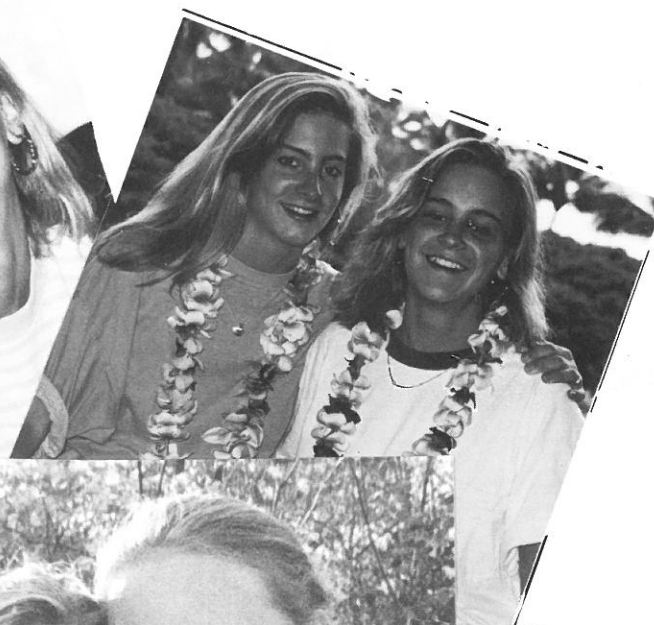
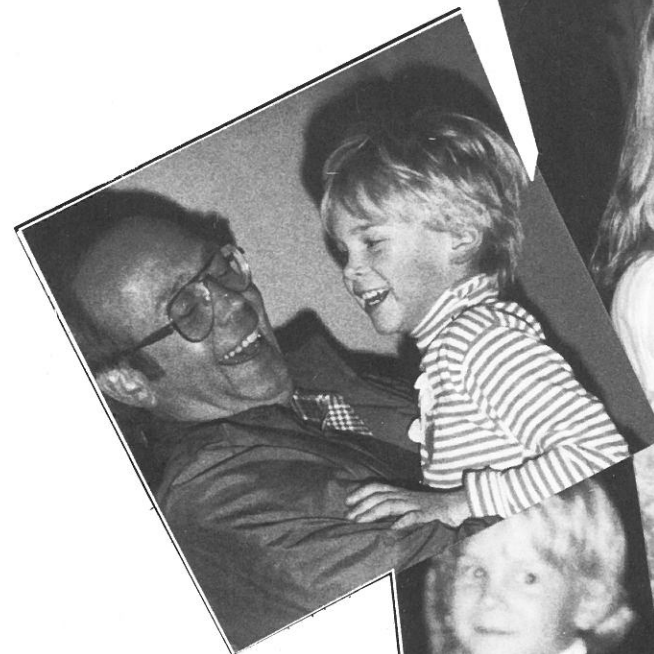
Nick Stacker



What lies behind us
and lies before us
are small matters
compared to what lies
within us.

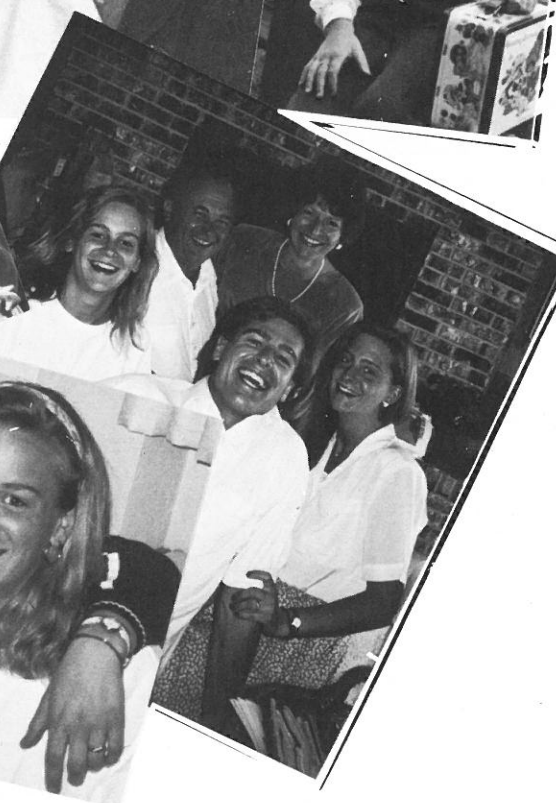
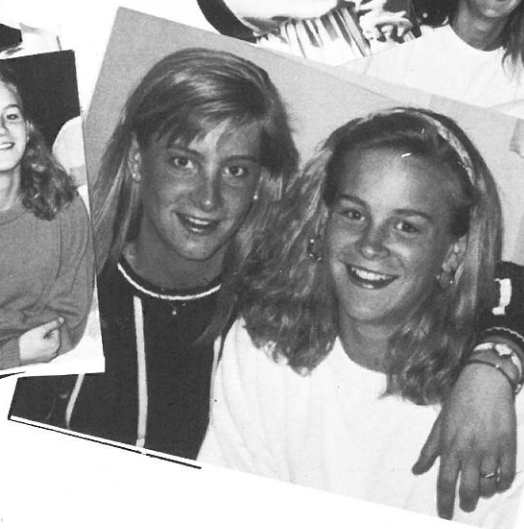
-Ralph Waldo Emerson

STACY LEIGH STEIL



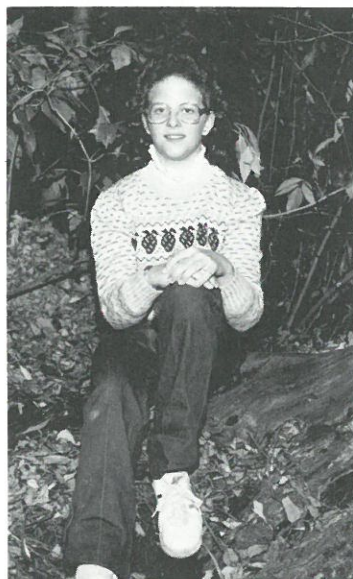
I've been happy lately,
thinking about the good
things to come, and I
believe it could be
something good has begun.

-Cat Stevens

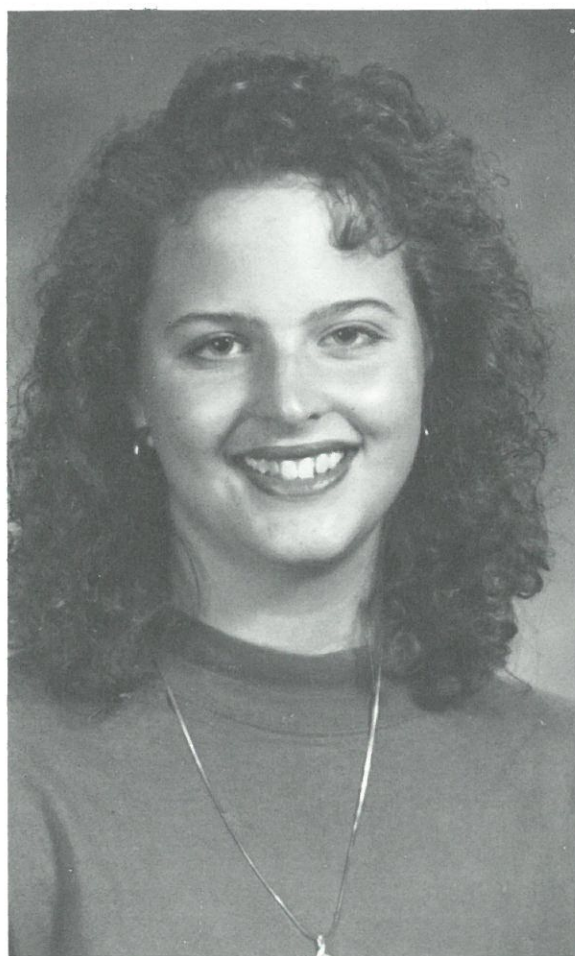
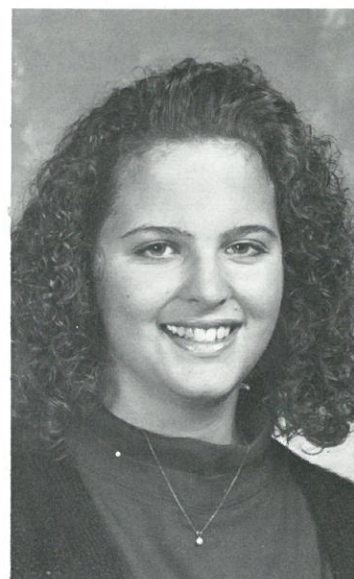


It is never any good
dwelling on good-byes.
It is not the being
together that it
prolongs, it is the
parting.

-Elizabeth Bibesco



Pals- Kirsten, Rachael, Eric
 Interests- Piano, Voice, Opera
 Ambition- Vocal Performance, Teaching
 Nickname- Mona
 Old Friends- Jen, Jessica

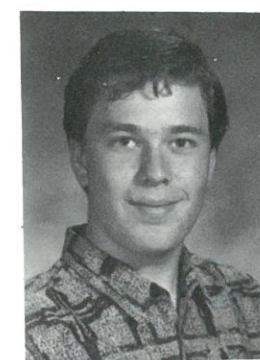


Lisa Stockland



Suburbia is where the developer
 bulldozes out the trees, then
 names the streets after them.
 -- Bill Vaughn

BRANDON SULLIVAN

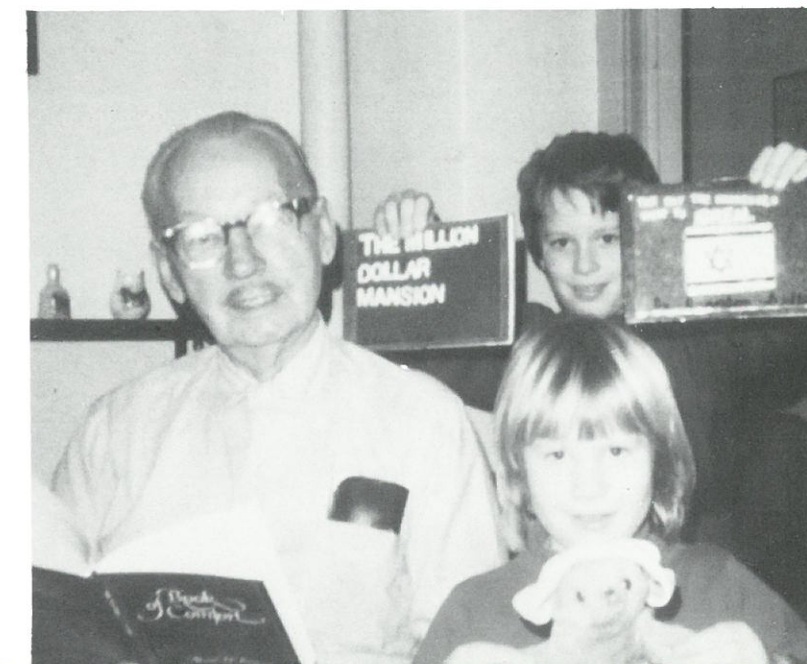


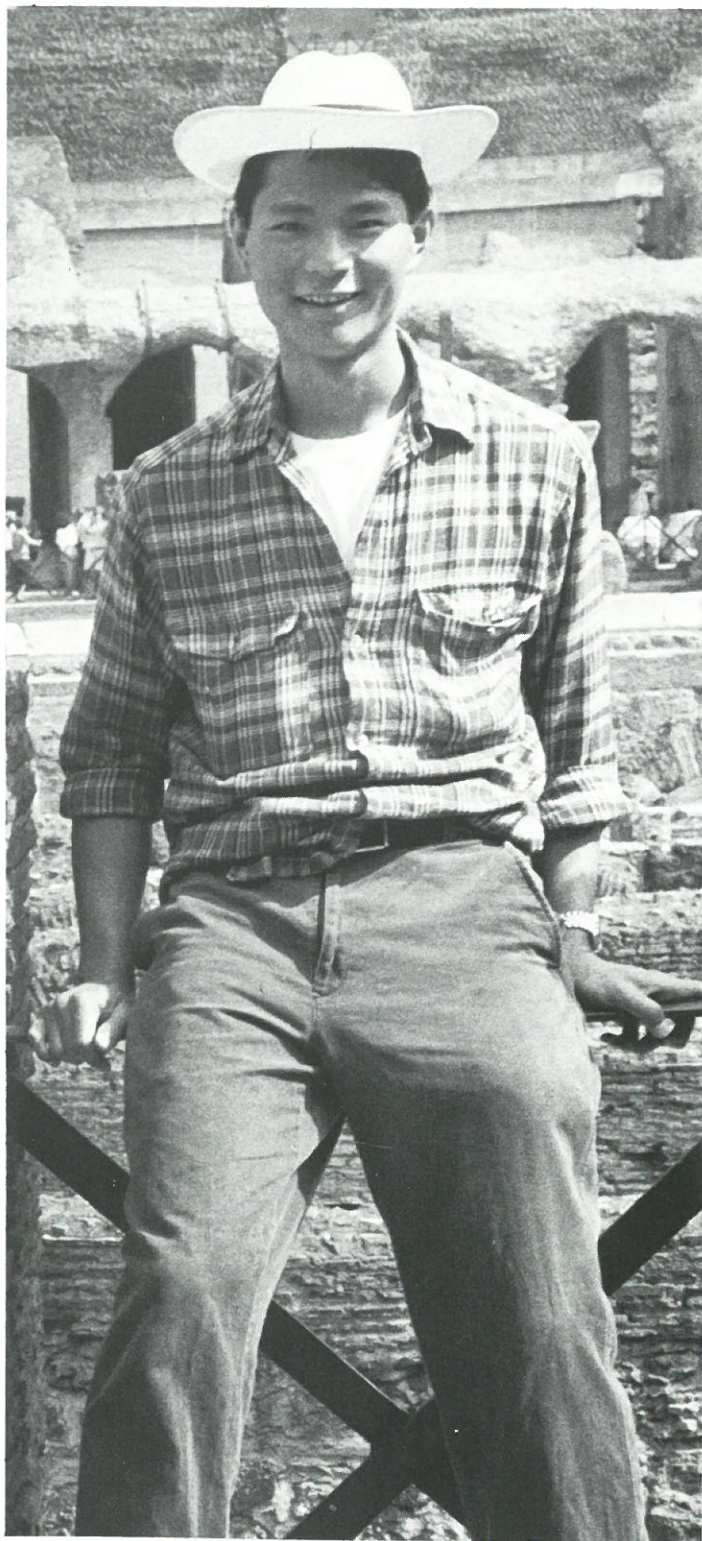
I don't do it for the money.
 -- Donald Trump

Things could be a lot worse.
 Suppose your errors were
 counted and published every
 day, like those of a baseball
 player.
 -- anonymous



Violence is the last refuge
 of the incompetent.
 -- Isaac Asimov





chad tang

... and they embrace that which is like them. And these when they grow up become our statesmen, and these only, which is a great proof of the truth of what I am saying.

-Plato, Symposium

Is it like this
In death's other kingdom
Walking alone
At the hour when we are
Trembling with tenderness
Lips that would kiss
Form prayers to broken stone.

-T. S. Eliot

Walking, strolling down
Down the gallery of memory
Echoes of the truth somewhere
A sea of sinking souls
Pilgrim walk away
Pilgrim beware

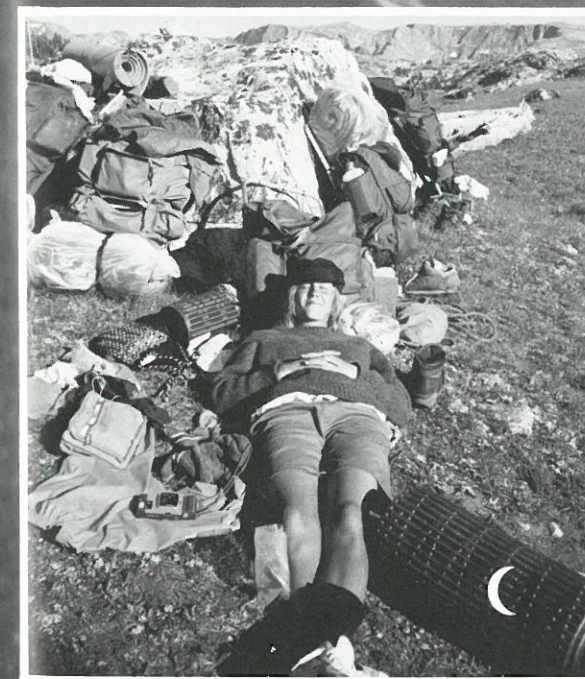
-The Ocean Blue

Silence continued to permeate the atmosphere. The signs told me where to go. A few moments later, the stairs had been conquered and in view was the empty, awesome stadium. Lying on my back and looking up at midnight stars, I thought of royal dreams that came true here.



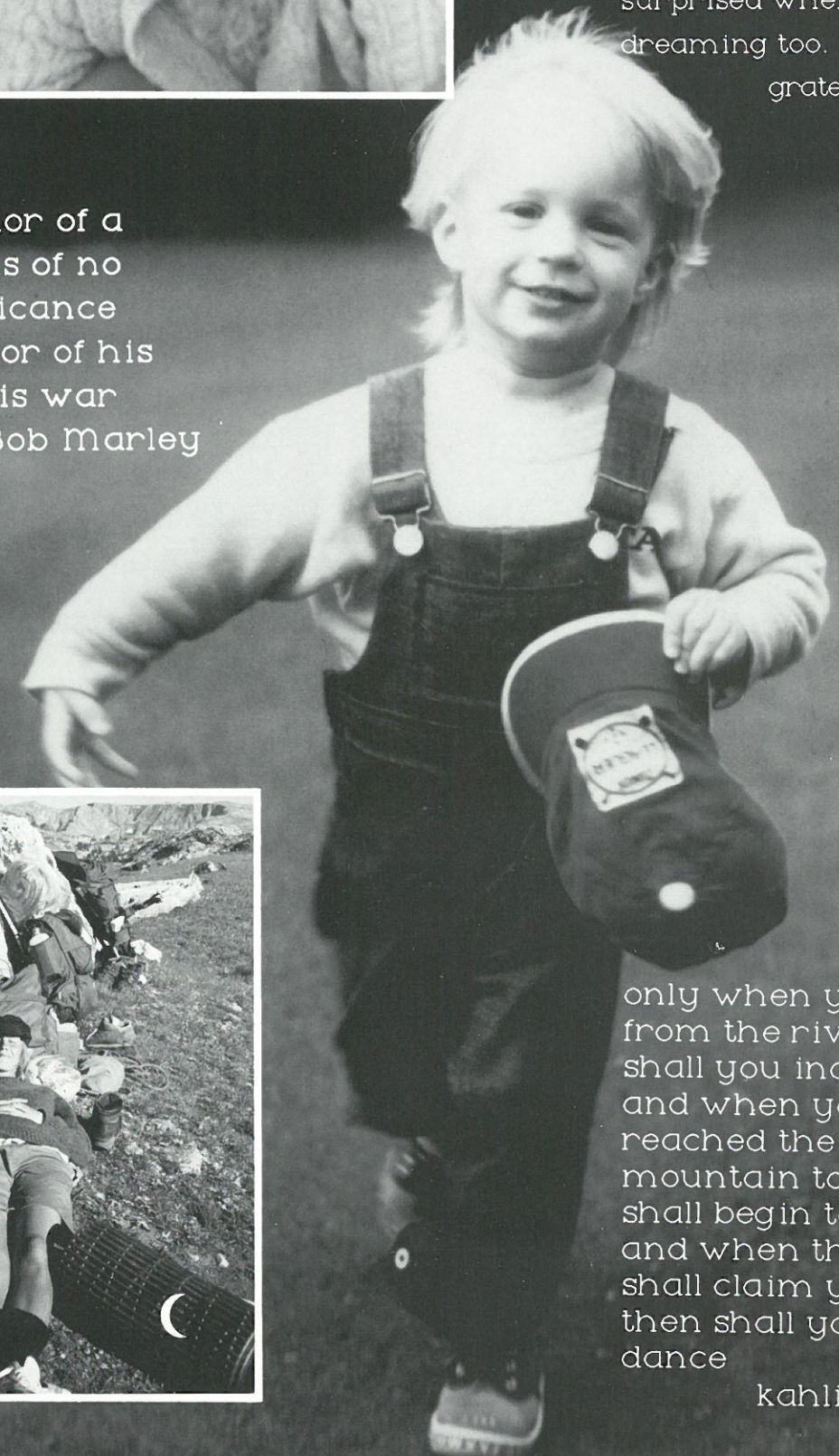
Until the color of a
man's skin is of no
more significance
than the color of his
eyes, there is war

Bob Marley



Walk out of any doorway
feel your way, feel your way
like the day before. Maybe
you'll find direction around
some corner where it's been
waiting to meet you. What
do you want me to do, to
watch for you while you're
sleeping? Please don't be
surprised when you find me
dreaming too.

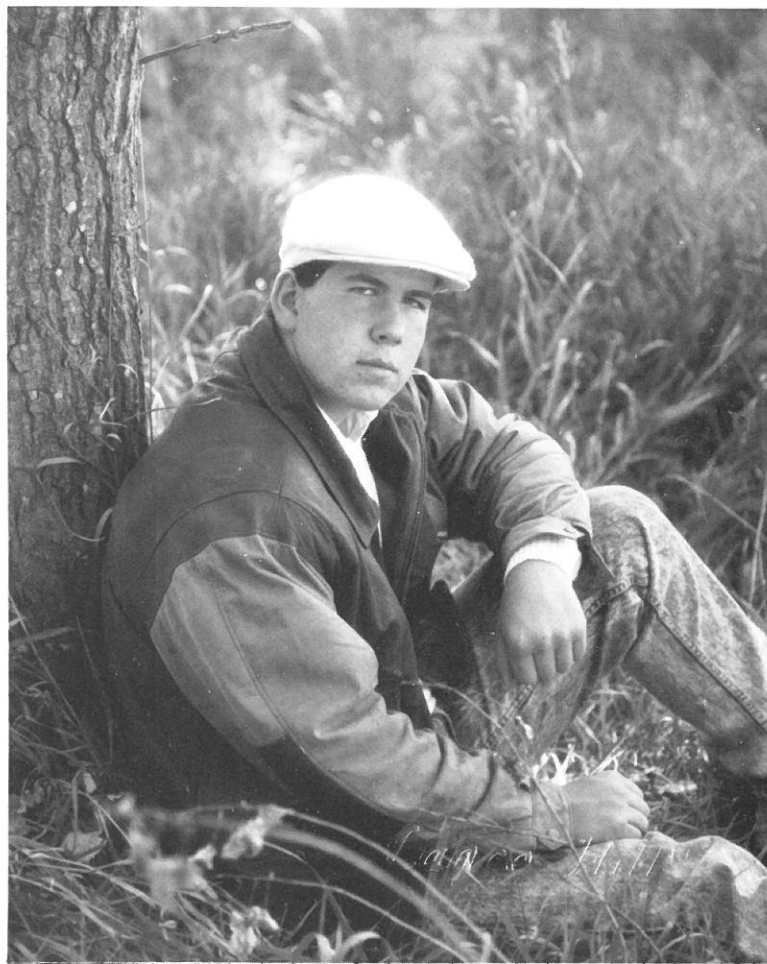
grateful dead



noël thomas

only when you drink
from the river of silence
shall you indeed sing,
and when you have
reached the highest
mountain top then you
shall begin to climb,
and when the earth
shall claim your limbs
then shall you truly
dance

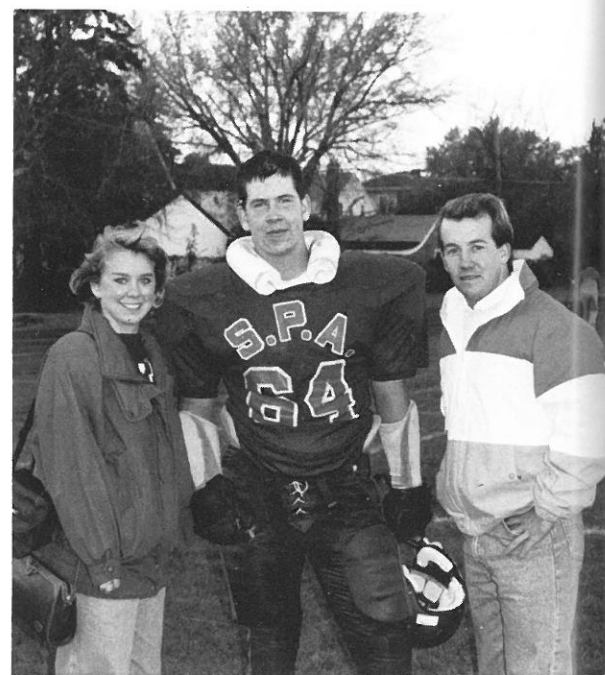
kahlil gibran



John
Scott
Thurnman
64



JESUS
RULES



I have been crucified with Christ; it is no longer I who live, but Christ lives in me; and the life which I now live in the flesh I live by faith in the Son of God, who loved me and gave Himself for me. Galations 2:20

I can do all things through Christ who strengthens me. Philippians 4:13



ARRISEN TOWNER



Teddie Deyee Tsong



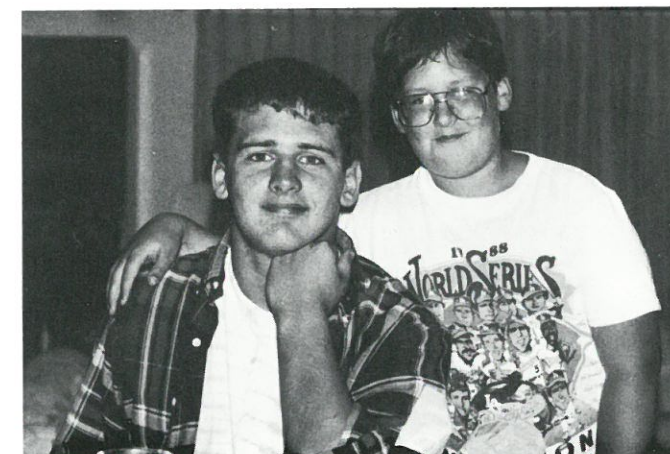
Without music, life would be
a mistake.

-Nietzsche

Adieu, dit le renard. Voici mon
Secret. Il est très simple: on
ne voit bien qu'avec le cœur.
L'essentiel est invisible pour
les yeux.

-Saint Exupéry

Brian Vegoe



So, so you think you can tell Heaven from Hell, blue
skies from pain.
Can you tell a green field from a cold steel rail? A smile from a
veil?

Do you think you can tell?
And did they get you to trade your heroes for ghosts?
Hot ashes for trees?

Hot air for a cool breeze?
Cold comfort for change?
And did you exchange a walk on part in the war for a
lead role in a cage?

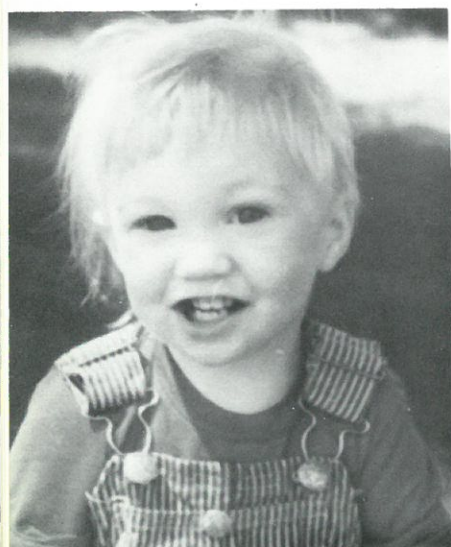
How I wish, how I wish you were here.
We're just two lost souls swimming in a fish bowl,
year after year,
Running over the same old ground. What have we
found? The same old fears.

Wish you were here.

-Pink Floyd



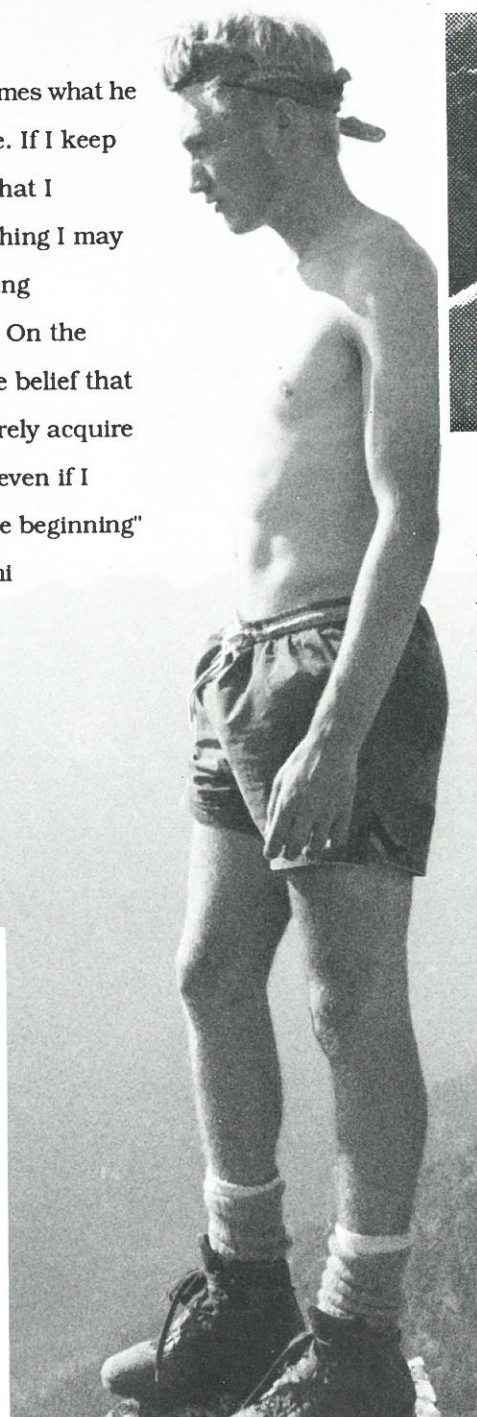
"Attitude
is
every-
thing"



"Man often becomes what he
believes himself to be. If I keep
on saying to myself that I
cannot do a certain thing I may
end by really becoming
incapable of doing it. On the
contrary, if I have the belief that
I can do it, I shall surely acquire
the capacity to do it even if I
may not have it at the beginning"

-Gandhi

Peter M. Walsh



"As he peered ahead into
the great land before him, the
way seemed long. But the sky
was bright, and he somehow
felt he was headed in the right
direction."

-Stuart Little



At Waldron Ct. Oct. 1981

Chris + Steve at Fenway
Park in mid-1980's

And I'll ne'r be daunted,
For I am young and the world is wide.

- traditional Irish air

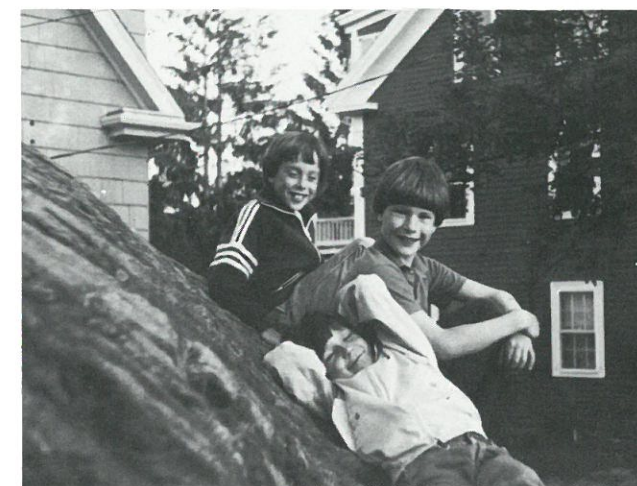
The Jazz Band takes
a break in Fall 1987

Dan Whyatt

With Mom + ? in Sax
4tet in 1988 or 1989

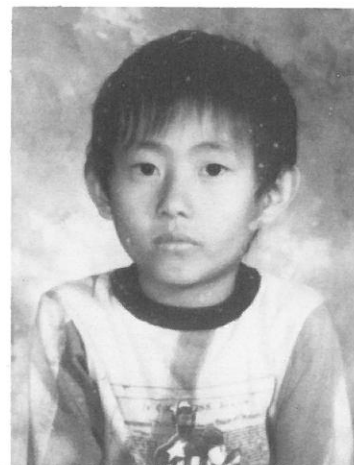


With Jake Sept. 1990

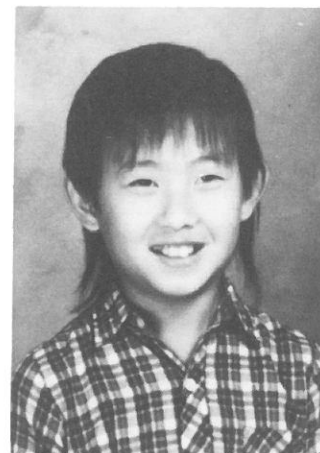


Between Todd and
Justin in May 1983

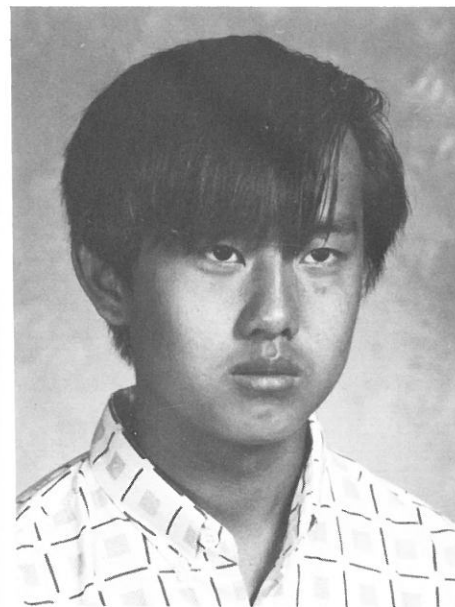
Pelina Michelle Wilson



Chue Yang



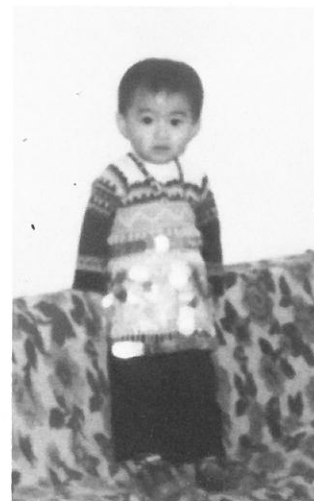
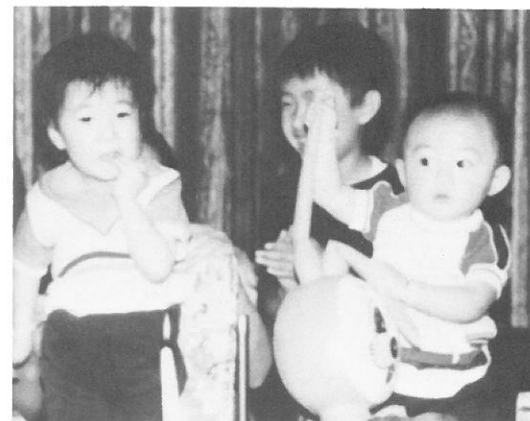
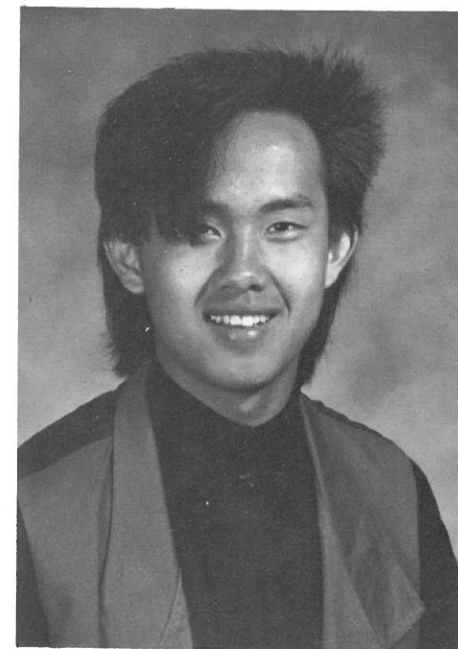
TUB TSIM TXIAJ



Is



Moi



DON'T KNOW WHAT
YOU GOT TILL
IT'S GONE.
- CINDERELLA

Todd Griffith York



Jennifer
Elizabeth
Young

Thanks Mom, Dad, Nikki, Erik, I love you!



I'd rather laugh
with the sinners
than cry with
the saints.
Sinners are
much more fun
and only
the good die young.

-Billy Joel

"Just remember,
the other team puts their pants
on one leg at a time." -Dad

"The time has come," the walrus said,
"to talk of many things."





HEATHER ZEHRING

Remember wh

Senior Poll.....'91

Life of the party: Seth Janus and Christa Cerra

Most outspoken: Alex Dashe and Rachel Rubin

Most sleepy: Souri Kim and Noel Thomas
Craziest driver: Claus Freyinger and Leah Reich

Most school spirit: Steve London and Julie Kaemmer

Best source of info: Chris Gerke and Julie Cammack

Least Studious: Dave Sorenson and Shannon McCarty

Most Studious: Chris Kramp and Christine Jessup

Favorite out of school lunch spot: Bruegger's Bagels

I'll never forget when... Noel Thomas accidentally ran off of Julie Cammack's roof.



above: 6th grade- Leslie Katz, Noel Thomas, C. Shapiro, Carrie Hall, Shannon McCarty, Julie Kaemmer, Kirsten Jacobson, and Norah Scanlan

below: kindergarten- top row- teacher Connie Schumacher, David Smith, Pelina Wilson, Noel Thomas, Julie Kaemmer, G. Roe, J. Dorfman, T. Fitch, middle row- Hilary LeBon, S. Rosenberg, F. Balon, C. Burke, B. Long, J. Neimeth, J. Moore, S. Pamlenyi, C. Shapiro, teacher Molly Kleven, bottom row- Christine Jessup, Dan Markowitz, H. Li, G. Weschcke, Carlos Adams, Maria Adams, J. Hussein, and Paul Determan



you shone like the sun

CLASS OF 1991

Mark Faruk Abuzzahab
Carlos Jaime Adams
Ana Maria Adams
Shabnam P. Alizadeh
Thomas Frederick Asher
Daniel Gregory Bachrach
David Eric Baer
Josephine Marie Bahl
Stacey Leigh Barenbaum
Catriona Mary Barlow
William Hartwell Beadie
Adam Joseph Benepe
George Douglas Boxall
Katherine Bradford
Nathan Allan Brenneman
Patrick Stuart Cameron
Julia Ann Cammack
Christa Juliana Cerra
Lydia Anne Conn
John Benjamin Coughlin
Jesse Charles Darley
Alexander Michael Dashe
Paul Kenji Determan
Alejandra Audrey Estrin
Sean Patrick Flahaven
Sean Andreas Forner
Tasslyn Lesley Frame
Darrin Patrick Franco
Claus Christoph Freyinger
Christopher James Gerke
Carrie Lyn Hall
Julie Elise Hendrixson
Tod Brian Herskovitz
Angelique Justine Holmes
Alexis J. F. Hult
Kirsten Elisabeth Jacobson
Seth Chalmers Janus
Christine Marieke Jessup
Ross Erik Johnson
Shawn Lee Johnson
Stuart Michael Johnson
Julia Loxley Kaemmer
Leslie Jo Katz
Sameer Hamid Khan
Bryn Erin Kiel
Elizabeth Davis Kilpatrick
Jongko Jesse Kim
Souri Kim

Christopher Scott Kramp
Joshua Wilker Kriesel
Ratul Kumar
Hilary Claire LeBon
Hannah Rena Lockhart
Steven Dwyer London
Samuel Bruce Lueck
Kendra Aline Mack
Shannon Colleen McCarty
Matthew Thomas Mahaney
Daniel Joseph Markowitz
Christian David Morris
Douglas John Mullin
Deepak Nath
Dan Fredrik Nyberg
Myra Elizabeth Parker
Melanie Rae Parson
James Eric Peterson
Leah Beth Reich
Joel Patrick Rian
Alexander Volkoff Robinson
Betsy Lynn Rosenberg
Rachel Jennifer Rubin
Aaron Beers Sampson
Michael George Sanneh
Daniel Satran
Meredith Jaye Sattler
Norah Harrington Scanlan
Brice Semmens
Daniel Edward Sheehy
David Zev Smith
David Alexander Sorensen
Nicholas Aaron Stacker
Lisa Jean Stockland
Brandon Anthony Sullivan
Chad Yun Tang
Noël Marguerite Thomas
John Scott Thurman
Arrisen Lavair Towner
Teddie Deyee Tsong
Brian Roy Vegoe
Peter Merrill West
Daniel Irving Whyatt
Pelina Michelle Wilson
Chue Yang
Todd Griffith York
Jennifer Elizabeth Young
Heather Maline Zehring

ST. PAUL ACADEMY AND SUMMIT SCHOOL

Graduation Exercises

Sunday, June 9, 1991

5:00 P.M.

PROGRAM

Prelude Music..... St. Paul Academy and Summit School
Jazz Ensemble

John Koziol, Director

Processional
Rigaudon Processional..... Campra, arr. Leidig
Chamber Orchestra

Karen Schmidt, Director

Invocation..... Patricia McCart
Upper School Principal

Senior Class Speakers..... Brice Semmens
Carrie Hall
Peter West

Musical Presentation
Amazing..... poem by Wes Schultz
music by Anne Klus and Elizabeth Mollison
Academy Chorale and Summit Singers

Dan Satran, Clarinet
Dr. Olive Jean Bailey, Piano

Anne Klus, Director

Faculty Speaker..... George Leiter

Special Presentations..... James E. Buckheit
Head of School

Awarding of Diplomas..... A. Scheffer Lang
President
Board of Trustees

Recessional
Rondeau..... Mouret, arr. Leidig
Chamber Orchestra

After the ceremony, members of the graduating class will receive their family and friends at a reception to be held on the north lawn. In case of inclement weather, the reception will be held in the Briggs Gymnasium.