Dr. Nancy L. Segal
Department of Psychology 800 N. State College Blvd. Twin Studies Center
Room H830-M
Fullerton, CA 92834-6846 (657) 278-2568

(657) 278-2142, 3514 Fax (657) 278-4843 <u>nsegal@fullerton.edu</u>

Survey: Loss of a Twin (Consent Form)

(Return this Copy of the Consent Form)

Thank you for participating in this study. The loss of a twin is an experience that deserves considerable professional attention. You are invited to participate in a study of how twin loss affects the surviving twin partner and other family members. Results from this study can teach us a great deal about how counselors and other psychological professionals may assist twins and their families in dealing with such loss. The public also needs to be informed about the unique aspects of twinship. You must be age 18 years, or older, to complete this survey.

If you decide to participate, you will asked to complete a survey that you will receive by mail—or that you can download from my website (http://psych.fullerton.edu/nsegal). It is estimated that 30 minutes will be required for your participation. There are no foreseeable risks associated with this task. I am happy to share results with you when the study is completed, so one benefit to you would be learning more about how the findings impact the question under study.

Your participation is strictly voluntary. All research records will be kept confidential to the extent provided by law. Data are filed in cabinets and kept in a locked office to which only the investigator and assistants have access. In any written reports or publications, no one will be identified or identifiable, and only group data will be presented. The data will serve as the basis for a student project, and will later be used in conference presentations and journal articles. Data will be kept in a locked room indefinitely. Future uses of the ratings may include combining it with larger samples for other data analyses.

Your decision concerning whether or not to participate will not affect your future relations with California State University, or your relations with your current educational institution or place of business in any way. If you decide to participate, you are free to discontinue participation at any time.

If you have questions regarding your rights s a research participant, you may contact the Institutional Review Board (IRB) representative at CSUF, at 714-278-7640 who welcomes any questions. These forms and the data will remain on file indefinitely. You may also contact the investigator, Dr. Nancy L. Segal; please see the contact information in the letterhead.

You will be offered a copy of this form to keep for your records.

Sincerely,

Nancy L. Segal, Ph.D.

Professor of Psychology	
have read the information provided above a	r not to participate. Your signature indicates that you nd have decided to participate. You may withdraw as form should you choose to discontinue participation
Signature of Participant	Month Day Year
Signature of Investigator	
Nancy L. Segal, Ph.D. Professor of Psychology Director, Twin Studies Center	formdate 13-AUG-07

Dr. Nancy L. Segal
Department of Psychology 800 N. State College Blvd. Twin Studies Center
Room H830-M
Fullerton, CA 92834-6846 (657) 278-2568

(657) 278-2142, 3514 Fax (657) 278-4843 <u>nsegal@fullerton.edu</u>

Survey: Loss of a Twin (Consent Form)

(Keep this Copy of the Consent Form)

Thank you for participating in this study. The loss of a twin is an experience that deserves considerable professional attention. You are invited to participate in a study of how twin loss affects the surviving twin partner and other family members. Results from this study can teach us a great deal about how counselors and other psychological professionals may assist twins and their families in dealing with such loss. The public also needs to be informed about the unique

If you decide to participate, you will asked to complete a survey that you will receive by mail—or that you can download from my website (http://psych.fullerton.edu/nsegal). It is estimated that 30 minutes will be required for your participation. There are no foreseeable risks associated with this task. I am happy to share results with you when the study is completed, so one benefit to you would be learning more about how the findings impact the question under study.

Your participation is strictly voluntary. All research records will be kept confidential to the extent provided by law. Data are filed in cabinets and kept in a locked office to which only the investigator and assistants have access. In any written reports or publications, no one will be identified or identifiable, and only group data will be presented. The data will serve as the basis for an MA thesis for an advanced graduate student, and will later be used in conference presentations and journal articles. Data will be kept in a locked room indefinitely. Future uses of the ratings may include combining it with larger samples for other data analyses.

Your decision concerning whether or not to participate will not affect your future relations with California State University, or your relations with your current educational institution or place of business in any way. If you decide to participate, you are free to discontinue participation at any time.

If you have questions regarding your rights s a research participant, you may contact the Institutional Review Board (IRB) representative at CSUF, at 657-278-7640 who welcomes any questions. These forms and the data will remain on file indefinitely. You may also contact the investigator, Dr. Nancy L. Segal; please see the contact information in the letterhead.

You will be offered a copy of this form to keep for your records.

Sincerely,

Nancy L. Segal, Ph.D. Professor of Psychology

You are making a decision about whether o have read the information provided above a any time without prejudice after signing thi in this study.	and have decided to par	ticipate. Y	ou may with	draw at
Signature of Participant	Month /	Day	/Year	
Signature of Investigator				
Nancy L. Segal, Ph.D. Professor of Psychology				
Director, Twin Studies Center		formdate	e 26-JUN-09	

TWIN SURVEY

Thank you so much for participating in our study of twins. We understand that you are a twin who has lost his, or her, twin partner. We realize the very sensitive nature of this subject, but we would greatly appreciate it if you would take the time to complete the questions that appear on this form -- the information you provide will enable us to better understand this situation, in the hope that we can eventually help other twinless twins. In fact, the idea for this survey came about because twins who had lost their twin brothers and sisters contacted our laboratory for information and assistance. All information you provide is completely confidential. We plan to conduct a telephone follow-up survey wherever possible. Finally, because of our strong interest in this area, we are willing to accept partially completed questionnaires. However, we encourage you to provide as much information as possible. PLEASE PRINT ALL INFORMATION. Please print this and mail it to Dr. Nancy L. Segal (the address appears on the last page—you will be reimbursed for postage.)

NIANTE

NAME				T.	
First		Middle		Last	
PHONE			e-mail		
TODAY'S DATE:	Day		- ————————————————————————————————————	_	
STREET					
CITY					
STATE		POST CODE	B		
COUNTRY					
YOUR BIRTHDA	Y: Day	Month	Year		
SEX: (Circle One)	Male	Female			
YOUR CURRENT	AGE IN Y	EARS			
YOUR CURRENT	OCCUPA'	TION			
YOUR CURRENT	MARITAI	L/RELATION	SHIP STATUS (Circle One)	
Single Ma	rried Div	orced Separa	nted In a Signific	cant Relationship	
Other (Explai	n):				

If you need extra space to answer any of the questions that follow, please feel free to use the margins, the back of this form, or to include additional sheets. Please read every question COMPLETELY before answering, or before deciding that a certain item does not apply to you. No question is adequate for every individual. We encourage you to let us know about things we have failed to ask.

1. I was b	orn a:	(Circle one)	Twin	Triplet	Quadruplet			
		I was the (circle): I was (circle): H			nd-BORN LIGHTER at birth	Uncertain Uncertain		
		TWIN" WILL BI A QUADRUPLE		FROM TI	HIS POINT ON,	EVEN IF Y	OU WERE E	BORN A
•		o rate your feelin	_		S toward your tw umber)	in, which o	f the choices	listed below
	1 ı	nuch closer than	any best	friend.				
,	2 §	generally closer	than any l	best friend	d.			
	3 a	as close as any be	est friend					
4	4 ı	not as close as be	est friends	s, but clos	er than casual frie	ends.		
	5 a	as close as casua	l friends.					
(6 §	generally less clo	se than c	asual frie	nds.			
,	7 ı	nuch less close t	han casua	al friends.				
•		to rate how COlld be most true f		•	elt toward your tw cle an answer).	win, which	of the choices	listed
1.	(often competitive	e					
2	{	generally compe	titive					
3.	(competitive only	occasion	ally				
4.	1	arely, or never,	competiti	ve				
		n will ask HOW estion 4.	МИСН Т	TME you	used to spend wi	th your twi	n. Please ansv	ver ALL
A. Ha	ave you	ı ever lived apar	t (in diffe	erent home	es) from your twi	n? (Circle o	one) YES	NO
		indicate the date ed you. (Add ad			art, and the distanteded)	nce (in km c	or miles) that	
DATE	ES LIV	ING APART			DISTANCE LI	VING APA	ART	
From		То				(Circle one	e)	
						km i	mi	
month	year	month y	ear					
						km 1	mi	
month	year	month y	rear					
						1		
month		month y	 rear			km 1	mi	
попш	year	тюпит у	Cai					
						km 1	mi	

month year

month year

YES	NO
	rage, when living TOGETHER (in the same home) with your twin, how much tispend together? (Circle one number)
1eve	ry day
2 2-3	times per week
31 ti	me per week
42-3	times per month
51 ti	me per month
62-3	times per year
71 ti	me per year
8nev	er
9oth	er (EXPLAIN):
	rage, when living APART FROM your twin (in different homes), how much tin spend together? (Circle one number)
1eve	ry day
22-3	times per week
31 ti	me per week
42-3	times per month
51 ti	me per month
62-3	times per year
71 ti	me per year
8nev	er
9oth	er (EXPLAIN):
	ested in knowing how you felt when seeing or meeting other twin pairs BEFOR N'S DEATH. (Circle one number)
1 Ve	ry happy
2 Ge	nerally happy
3 Ne	utral; I did not really react when I saw other twin pairs
4 Ge	nerally unhappy
5 Ve	ry unhappy
6 Do	es not apply
6. Anwer both A	and B
A. My twin a	nd I were raised in the same home by our biological parents. (Circle one)

B. Were you and your twin adopted or living in the <u>same</u> foster home? (Circle one)
YES NO OTHER (Explain):
If YES, please describe the circumstances briefly:
C. Were you and your twin adopted separately or living in <u>different</u> foster homes? (Circle one)
YES NO OTHER (Explain):
If YES, please describe the circumstances briefly:
7. We know only too well that questions concerning the loss of one's twin may be difficult to answer. We would, however, greatly appreciate any information you are willing to provide, as it will help us to understand this experience and, therefore, be of greater service to others. We would like you to share with us the causes and circumstances surrounding the death of your twin. Please tell us how he or she died. Please be as specific or as general as you like. Feel free to write on the back of this sheet, if necessary:
8. How old were you when you lost your twin?
AGE IN YEARS Twin's Name
Date of Twin's Loss:
9. How old were you when you first learned of your twin's death? AGE IN YEARS
a. Your MARITAL/RELATIONSHIP STATUS at the Time of Your Twin's Loss (Circle One): Single Married Divorced Separated In a Significant Relationship Other (Explain):

10. The next set of statements is concerned with the experience of grief.

The statements listed below represent thoughts and feelings commonly expressed by people who have suffered the loss of a relative. Please read each statement and then try to determine how well it described you during your period of bereavement for your twin. If you are still experiencing some of these thoughts and feelings, please respond in the same manner. If the statement is true or mostly true as applied to you, circle the letter T (TRUE) at the end of the question. If the statement is false or mostly false, circle the F (FALSE) at the end of the question. If a certain statement does not apply to you at all, circle the number of that question (question numbers are at the LEFT of each question). Please try to answer as many questions as possible.

Immediately after the death I felt exhausted	F
I tend to be more irritable with others	F
I am strongly preoccupied with the image of my deceased twinT	F
I frequently experience angry feelings	F
It is not difficult to maintain social relationships with friends	F
My arms and legs feel very heavy	F
I am unusually aware of things related to death	F
It seems to me that more could have been done for my deceased twinT	F
I showed little emotion at the funeral	F
I felt a strong necessity for maintaining the morale of others after the deathT	F
I feel cut-off and isolated	F
I rarely take aspirins	F
I feel reluctant to attend social gatherings	F
I was unable to cry at the announcement of the deathT	F
I have feelings of guilt because I was spared and my twin was takenT	F
I have a special need to be near others	F
I often experience confusion	F
I feel lost and helpless	F
I am comforted by believing that my deceased twin is in heavenT	F
I have had frequent headaches since the death	F
	I am strongly preoccupied with the image of my deceased twin

21.	It was difficult to part with the clothing and personal articles of my deceased twin	F
22.	It was necessary to take sleeping pills after the death	F
23.	The yearning for my deceased twin is so intense that I sometimes feel physical pain in my chest	F
24.	I cry easilyT	F
25.	I have taken tranquilizers since the deathT	F
26.	I experience a dryness of the mouth and throatT	F
27.	I feel restlessT	F
28.	Upon first learning of the death I had a dazed feelingT	F
29.	Concentrating upon things is difficult	F
30.	I have feelings of apathyT	F
31.	I experienced a feeling when the death occurred that "something died within me"	F
32.	Aches and pains seldom bother me	F
33.	I find I am often irritated with others	F
34.	I could not cry until after the funeral	F
35.	I feel that I may in some way have contributed to the death	F
36.	I find myself performing certain acts which are similar to ones performed by my deceased twin	F
37.	I made the funeral arrangements	F
38.	I lack the energy to enjoy physical exercise	
39.	I rarely feel enthusiastic about anythingT	F
40.	I feel that grief has aged me	F
41.	I have never dreamed of my deceased twin as still being aliveT	F
42.	I find myself frequently asking "why did the death have to happen in this way?"	F
43.	I sometimes have difficulty believing the death has actually occurredT	F

44.	I feel a strong desire to complete certain unfinished tasks that my deceased twin had begun	F
45.	I have often dreamed of times when my deceased twin was livingT	F
46.	I am often irritableT	F
47.	I have dreamed of my deceased twin as being deadT	F
48.	I feel extremely anxious and unsettled	F
49.	I feel tenseness in my neck and shoulders	F
50.	Sometimes I have a strong desire to scream	F
51.	I am so busy that I hardly have time to mourn	F
52.	I feel anger toward GodT	F
53.	I have the urge to curl up in a small ball when I have attacks of cryingT	F
54.	I feel the need to be alone a great deal	F
55.	I rarely think of my own deathT	F
56.	I find it difficult to cryT	F
57.	Looking at photographs of my deceased twin is too painfulT	F
58.	Life has lost its meaning for meT	F
59.	I have no difficulty with digestionT	F
60.	I have had brief moments when I actually felt anger at having been leftT	F
61.	I have no trouble sleeping since the death	F
62.	I have a hearty appetiteT	F
63.	I feel healthyT	F
64.	It comforts me to talk with others who have had a similar lossT	F
65.	I yearn for my deceased twin	F
66.	I seldom feel depressed	F
67.	I have the feeling that I am watching myself go through the motions of living	F
68.	Life seems empty and barrenT	F

69.	There are times when I have the feeling that my deceased twin is presentT	
70.	I often take sedativesT	
71.	I have frequent mood changes	
72.	The actions of some people make me resentful	
73.	My feelings are not easily hurt	
74.	I am losing weightT	
75.	Small problems seem overwhelming	
76.	I sometimes feel guilty at being able to enjoy myself	
77.	I frequently have diarrhea	
78.	I often wish I could have been the one to die instead	
79.	I have lost my appetiteT	
80.	I sometimes talk with the picture of my deceased twin	
81.	I am not interested in sexual activities	
82.	At times I wish I were deadT	
83.	It is hard to maintain my religious faith in light of all the pain and suffering caused by the death	
84.	I seem to have lost my energy	
85.	I dread viewing a body at the funeral home	
86.	I find myself idealizing my deceased twin	
87.	I have problems with constipationT	
88.	I frequently take long walks by myselfT	
89.	I avoid meeting old friendsT	
90.	I have a special need for someone to talk to	
91.	It often feels as if I have a lump in my throat	
92.	I sometimes find myself unconsciously looking for my deceased twin in a crowd	

93.	I seem to have lost my self-confidence	F
94.	I drink more alcohol now than before the deathT	F
95.	After the announcement of the death I thought, "This could not be happening to me"	F
96.	I have nightmares	F
97.	The thought of death seldom enters my mind	F
98.	I have never worried about having a painful disease	F
99.	Funerals sometimes upset me	F
100	. I would not feel uneasy visiting someone who was dying	F
101	. I often worry over the way time flies by so rapidlyT	F
102	I have no fear of failure	F
103	T am close with only a few persons	F
104	The sight of a dead person is horrifying to me	F
105	5. I always know what to say to a grieving person	F
106	5. I often seek advice from others	F
107	T. It does not bother me when people talk about death	F
108	3. I cannot remember a time when my parents were angry with meT	F
109	J.I do not think people in today's society know how to react to a person who is grieving	F
110	. I never have an emotional reaction at funeralsT	F
111	. I often think about how short life is	F
112	2. I am not afraid of dying of cancer	F
113	. I do not mind going to the doctor for check-upsT	F
114	. I shudder at the thought of nuclear war	F
115	The idea of dying holds no fears for me	F
116	5. I never lose my temperT	F

117.	I have always been completely sure I would be successful when I tried something for the first time	F
118.	I am not usually happyT	F
119.	I feel that the future holds little for me to fear	F
120.	I cannot ever remember feeling ill at ease in a social situationT	F
121.	I find myself sighing more now than than before the death of my twinT	F
122.	I spent a great deal of time with my deceased twin before the deathT	F
123.	I find that comforting others helps meT	F
124.	My family seems close to meT	F
125.	I feel that I did all that could have been done for my deceased twinT	F
126.	My religious faith is a source of inner strength and comfort	F
127.	I am smoking more these days	F
128.	I am not a realistic person	F
129.	I am awake most of the night	F
130.	I feel exhausted when I go to bed but lie awake for several hoursT	F
131.	I lose sleep over worry	F
132.	I often wake in the middle of the night and cannot get back to sleepT	F
133.	I sleep well most nights	F
134.	Things seemed blackest when I am awake in the middle of the nightT	F
135.	I can sleep during the day but not at night	F
136.	One to two months after my twin's loss, I considered suicide	F
137.	One to two months after my twin's loss, I attempted suicideT	F
138.	The spirit of my twin is with me	F

^{11.} People may learn of this unfortunate event in different ways. We would like for you to share with us how you FIRST LEARNED of your twin's loss. Please describe this below: