SUMMARY YEAR 1
PROPOSAL BUDGET FOR NSF USE ONLY

PROPOSAL BUDG	<u> </u>			NSF USE ON	
ORGANIZATION		PRO	POSAL I	NO. DURAT	ION (month
University of South Carolina at Columbia				Propose	
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR		A۱	NARD NO	D	
Vonnie Perkins		L			
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates		NSF Fund Person-mo	ed nths	Funds	Funds
(List each separately with title, A.7. show number in brackets)	CAL	ACAD	SUMR	Requested By proposer	granted by N (if different
1. Vonnie Y Perkins - none	0.00	0.00	1.00	12,000	0
2.				, , ,	
3.					
4.					
5.					
6. (0) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)	0.00	0.00	0.00		0
7. (1) TOTAL SENIOR PERSONNEL (1 - 6)	0.00	0.00	1.00	12,000	0
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					
1. (0) POST DOCTORAL SCHOLARS	0.00	0.00	0.00		0
2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)	0.00	0.00	0.00		0
3. (2) GRADUATE STUDENTS				30,000	0
4. (0) UNDERGRADUATE STUDENTS					0
5. (0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)					0
6. (0) OTHER					Ď
TOTAL SALARIES AND WAGES (A + B)				42,000	D
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)				3,10 ⁻	
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)				45,10 ⁻	
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEED	ING \$5.0	000.)		,	
TOTAL EQUIPMENT E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN				5,000 5,000	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS				5,00	0
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS				5,00	0
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE				5,00	0
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 0				5,00	0
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 0 0 0	TICIPAN	T COSTS	3	5,000 5,000	0
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER 1. DOMESTIC (INCL. U.S. POSSESSIONS) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	TICIPAN	T COSTS	5	5,000 5,000	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 0 2. TRAVEL 0 3. SUBSISTENCE 4. OTHER 0 TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS	TICIPAN	T COSTS	3	5,000 5,000	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (0)	TICIPAN	T COSTS	S	5,000 5,000	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES	TICIPAN	T COSTS	5	5,000 5,000 9,48	0
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (1) TOTAL PARTICIPANTS (2) TOTAL PARTICIPANTS (3) TOTAL PARTICIPANTS (3) TOTAL PARTICIPANTS (4) TOTAL PARTICIPANTS (5) TOTAL PARTICIPANTS (5) TOTAL PARTICIPANTS (6) TOTAL PARTICIPANTS (7) TOTAL PARTICIPANTS (TICIPAN	T COSTS	3	5,000 5,000 9,483 2,000 1,600	0
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES	TICIPAN	T COSTS	S	5,000 5,000 9,483 2,000 1,600	D D D D D D D D D D D D D D D D D D D
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES	TICIPAN	T COSTS	8	5,000 5,000 9,483 2,000 1,600	0 0 0 0 3 0 0 0 0
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS	TICIPAN	T COSTS	5	9,48; 2,000 1,600 114,83; 20,000	D
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (TICIPAN	T COSTS	5	9,483 2,000 114,833 20,000	D
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS (A THROUGH G)	TICIPAN	T COSTS	5	9,48; 2,000 1,600 114,83; 20,000	D
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (TICIPAN	T COSTS	3	9,48: 2,000 1,600 114,83; 20,000 147,91: 203,010	0 0 0 3 0 0 0 0 0 5 6
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (TICIPAN	T COSTS	5	9,48; 2,000 114,83; 20,000 147,91; 203,010	0 0 0 3 0 0 0 0 2 0 5 6
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR' G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) MTDC (Rate: 46.5000, Base: 93184) TOTAL INDIRECT COSTS (F&A)	TICIPAN	T COSTS	5	9,48: 2,000 1,600 114,83; 20,000 147,91: 203,010	0 0 0 3 0 0 0 0 2 0 5 6
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR' G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) MTDC (Rate: 46.5000, Base: 93184) TOTAL INDIRECT COSTS (F&A) J. TOTAL DIRECT AND INDIRECT COSTS (H + I) K. SMALL BUSINESS FEE	TICIPAN	T COSTS	5	5,000 5,000 9,48; 2,000 1,600 1147,91; 203,010 43,33; 246,34;	0 0 0 3 0 0 0 0 2 0 5 6
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (TICIPAN	T COSTS	8	5,000 5,000 9,483 2,000 1,600 1147,913 203,010 43,333 246,34	0 0 0 3 0 0 0 0 2 0 5 6
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR' G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) II. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) MTDC (Rate: 46.5000, Base: 93184) TOTAL INDIRECT COSTS (F&A) J. TOTAL DIRECT AND INDIRECT COSTS (H + I) K. SMALL BUSINESS FEE L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K) M. COST SHARING PROPOSED LEVEL \$ 0 AGREED LE				5,000 5,000 9,48; 2,000 1,600 1147,91; 203,010 43,33; 246,34;	0 0 0 3 0 0 0 0 2 0 5 6
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (NT \$	5,000 5,000 9,48; 2,000 1,600 1147,91; 203,010 43,33; 246,34;	D D D D D D D D D D D D D D D D D D D
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR' G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) MTDC (Rate: 46.5000, Base: 93184) TOTAL INDIRECT COSTS (F&A) J. TOTAL DIRECT AND INDIRECT COSTS (H + I) K. SMALL BUSINESS FEE L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)	VEL IF C	DIFFERE	NT \$ FOR N	9,483 2,000 1,600 114,833 20,000 147,913 203,010 43,333 246,344	D D D D D D D D D D D D D D D D D D D

SUMMARY YEAR 2
PROPOSAL BUDGET FOR NSF USE ONLY

PROPOSAL BUDG	i 🗀 📗		FOR	RNSF		
ORGANIZATION		PRO	POSAL	NO.	DURATIO	ON (month
University of South Carolina at Columbia					Proposed	Grante
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR		Δ١	WARD N	<u></u>	1, 1130	1
Vonnie Perkins		'``	, , , , , , , , , , , , , , , , , , ,	O .		
		NSF Fund	ed		l Funds	Funds
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates		NSF Fund Person-mor		Requ	uested By	granted by N
(List each separately with title, A.7. show number in brackets)	CAL	ACAD	SUMR	pr	roposer	(if different
1. Vonnie Y Perkins - none	0.00	0.00	1.00		12,000	
2.						
3.						
4.						
5.						
	0.00	0.00	0.00			
6. (0) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)		0.00	0.00		0	
7. (1) TOTAL SENIOR PERSONNEL (1 - 6)	0.00	0.00	1.00		12,000	
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)						
1. (0) POST DOCTORAL SCHOLARS	0.00	0.00	0.00		0	
2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)	0.00	0.00	0.00		0	
3. (2) GRADUATE STUDENTS		'			30,000	
4. (0) UNDERGRADUATE STUDENTS					0	
5. (1) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)					0	
6. (0) OTHER					0	
TOTAL SALARIES AND WAGES (A + B)					42,000	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					3,101	
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)					45,101	
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEED	ING \$5.0	00.)				
TOTAL EQUIPMENT E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN					0 5,000 5,000	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS)					5,000	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS					5,000	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 0					5,000	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 0					5,000	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE					5,000	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 0 0					5,000	
F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE	RTICIPAN	T COSTS			5,000	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 0 2. TRAVEL 0 3. SUBSISTENCE 0 4. OTHER 0 TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR	RTICIPAN	T COSTS	8		5,000 5,000	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (0) TOTAL PARTICIPANTS (0)	RTICIPAN	T COSTS	6		5,000 5,000	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (1) G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES	RTICIPAN	T COSTS	6		5,000 5,000 0 9,483	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (0)	RTICIPAN	T COSTS	6		5,000 5,000 0 9,483 2,000	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (RTICIPAN	T COSTS	6		5,000 5,000 0 9,483 2,000 1,600	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 0 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (0) TOTAL PARTICIPANTS (1) TOTAL PARTICIPANTS (2) PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES	RTICIPAN	T COSTS	6		5,000 5,000 0 9,483 2,000 1,600	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (RTICIPAN	T COSTS	8		5,000 5,000 0 9,483 2,000 1,600 0	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 0 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (0) TOTAL PARTICIPANTS (1) G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES	RTICIPAN	T COSTS	8		5,000 5,000 0 9,483 2,000 1,600	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 0 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS	RTICIPAN	T COSTS	6		5,000 5,000 0 9,483 2,000 1,600 0	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 0 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS	RTICIPAN	T COSTS	5		5,000 5,000 0 9,483 2,000 1,600 0 114,832 20,000 147,915	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARE G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS (A THROUGH G)	RTICIPAN	T COSTS	5		5,000 5,000 0 9,483 2,000 1,600 0 114,832 20,000	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARE G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)	RTICIPAN	T COSTS	6		5,000 5,000 0 9,483 2,000 1,600 0 114,832 20,000 147,915	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (RTICIPAN	T COSTS	6		5,000 5,000 0 9,483 2,000 1,600 0 114,832 20,000 147,915 203,016	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (RTICIPAN	T COSTS	6		5,000 5,000 0 9,483 2,000 1,600 0 114,832 20,000 147,915 203,016	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (0)	RTICIPAN	T COSTS	8		5,000 5,000 0 9,483 2,000 1,600 0 114,832 20,000 147,915 203,016 43,331 246,347	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (0)	RTICIPAN	T COSTS	S		5,000 5,000 0 9,483 2,000 1,600 0 114,832 20,000 147,915 203,016 43,331 246,347	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (0)	RTICIPAN	T COSTS	8		5,000 5,000 0 9,483 2,000 1,600 0 114,832 20,000 147,915 203,016 43,331 246,347	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (5,000 5,000 0 9,483 2,000 1,600 0 114,832 20,000 147,915 203,016 43,331 246,347	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (NT \$	NSF US	5,000 5,000 0 9,483 2,000 1,600 0 114,832 20,000 147,915 203,016 43,331 246,347	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS (DIFFERE	NT \$ FOR N		5,000 5,000 9,483 2,000 1,600 0 114,832 20,000 147,915 203,016 43,331 246,347 0 246,347	CATION

SUMMARY YEAR 3
PROPOSAL BUDGET FOR NSF USE ONLY

1. Vonnie Y Perkins - none 2. 3. 4. 5. 6. (0) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE) 7. (1) TOTAL SENIOR PERSONNEL (1-6) B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS) 1. (0) POST DOCTORAL SCHOLARS 2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.) 3. (2) GRADUATE STUDENTS 4. (0) UNDERGRADUATE STUDENTS 5. (0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY) 6. (0) OTHER TOTAL SALARIES AND WAGES (A + B) C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS) TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C) D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING) **TOTAL EQUIPMENT** E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 0 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00	0.00 0.00 0.00 0.00	Propo	Funds granted by (if differe)00
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR Vonnie Perkins A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title, A.7. show number in brackets) 1. Vonnie Y Perkins - none 2. 3. 4. 5. 6. (0) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE) 7. (1) TOTAL SENIOR PERSONNEL (1 - 6) B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS) 1. (0) POST DOCTORAL SCHOLARS 2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.) 3. (2) GRADUATE STUDENTS 4. (0) UNDERGRADUATE STUDENTS 5. (0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY) 6. (0) OTHER TOTAL SALARIES AND WAGES (A + B) C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS) TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C) D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING) TOTAL EQUIPMENT E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS	0.00 0.00 0.00 0.00 0.00	NSF Fund Person-mon ACAD 0.00 0.00 0.00 0.00	SUMR 1.00 0.00 1.00	Tunds Requested By proposer 12,00 30,00 42,00 3,10 45,10	Funds granted by (if differe)00
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR Vonnie Perkins A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title, A.7. show number in brackets) 1. Vonnie Y Perkins - none 2. 3. 4. 5. 6. (0) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE) 7. (1) TOTAL SENIOR PERSONNEL (1 - 6) B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS) 1. (0) POST DOCTORAL SCHOLARS 2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.) 3. (2) GRADUATE STUDENTS 4. (0) UNDERGRADUATE STUDENTS 5. (0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY) 6. (0) OTHER TOTAL SALARIES AND WAGES (A + B) C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS) TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C) D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING) TOTAL EQUIPMENT E. TRAVEL	0.00 0.00 0.00 0.00 0.00	NSF Fund Person-mon ACAD 0.00 0.00 0.00 0.00	SUMR 1.00 0.00 1.00	12,00 12,00 30,00 42,00 3,10 45,10	granted by (if differe) 00 0 0 00 00 00 00 00 00 01 01 01
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A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title, A.7. show number in brackets) 1. Vonnie Y Perkins - none 2. 3. 4. 5. 6. (0) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE) 7. (1) TOTAL SENIOR PERSONNEL (1 - 6) B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS) 1. (0) POST DOCTORAL SCHOLARS 2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.) 3. (2) GRADUATE STUDENTS 4. (0) UNDERGRADUATE STUDENTS 5. (0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY) 6. (0) OTHER TOTAL SALARIES AND WAGES (A + B) C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS) TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C) D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING TOTAL EQUIPMENT E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 0 2. TRAVEL 0 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 1.00	12,00 12,00 30,00 42,00 3,10 45,10	granted by (if differe) 00 0 0 00 00 00 00 00 00 01 01 01
(List each separately with title, A.7. show number in brackets) 1. Vonnie Y Perkins - none 2. 3. 4. 5. 6. (0) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE) 7. (1) TOTAL SENIOR PERSONNEL (1 - 6) B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS) 1. (0) POST DOCTORAL SCHOLARS 2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.) 3. (2) GRADUATE STUDENTS 4. (0) UNDERGRADUATE STUDENTS 5. (0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY) 6. (0) OTHER TOTAL SALARIES AND WAGES (A + B) C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS) TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C) D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING TOTAL EQUIPMENT E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTIC	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0.00 1.00	12,00 12,00 30,00 42,00 3,10 45,10	granted by (if differe) 00 0 0 00 00 00 00 00 00 01 01 01
1. Vonnie Y Perkins - none 2. 3. 4. 5. 6. (0) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE) 7. (1) TOTAL SENIOR PERSONNEL (1 - 6) B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS) 1. (0) POST DOCTORAL SCHOLARS 2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.) 3. (2) GRADUATE STUDENTS 4. (0) UNDERGRADUATE STUDENTS 5. (0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY) 6. (0) OTHER TOTAL SALARIES AND WAGES (A + B) C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS) TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C) D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING TOTAL EQUIPMENT E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 0 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 1.00 0.00	12,00 12,00 30,00 42,00 3,10 45,10	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
2. 3. 4. 5. 6. (0) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE) 7. (1) TOTAL SENIOR PERSONNEL (1 - 6) B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS) 1. (0) POST DOCTORAL SCHOLARS 2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.) 3. (2) GRADUATE STUDENTS 4. (0) UNDERGRADUATE STUDENTS 5. (0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY) 6. (0) OTHER TOTAL SALARIES AND WAGES (A + B) C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS) TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C) D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING) TOTAL EQUIPMENT E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 0 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS	0.00 0.00 0.00 0.00	0.00 0.00 0.00 0.00	0.00 1.00 0.00	12,00 30,00 42,00 3,10 45,10	0 00 0 0 0 0 0 0 0 0 0 0 0 0 0
3. 4. 5. 6. (0) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE) 7. (1) TOTAL SENIOR PERSONNEL (1 - 6) B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS) 1. (0) POST DOCTORAL SCHOLARS 2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.) 3. (2) GRADUATE STUDENTS 4. (0) UNDERGRADUATE STUDENTS 5. (0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY) 6. (0) OTHER TOTAL SALARIES AND WAGES (A + B) C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS) TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C) D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING TOTAL EQUIPMENT E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS	0.00	0.00 0.00 0.00	0.00	30,00 42,00 3,10 45,10	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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4. 5. 6. (0) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE) 7. (1) TOTAL SENIOR PERSONNEL (1 - 6) B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS) 1. (0) POST DOCTORAL SCHOLARS 2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.) 3. (2) GRADUATE STUDENTS 4. (0) UNDERGRADUATE STUDENTS 5. (0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY) 6. (0) OTHER TOTAL SALARIES AND WAGES (A + B) C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS) TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C) D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING TOTAL EQUIPMENT E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTIC	0.00	0.00 0.00 0.00	0.00	30,00 42,00 3,10 45,10	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
5. 6. (0) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE) 7. (1) TOTAL SENIOR PERSONNEL (1 - 6) B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS) 1. (0) POST DOCTORAL SCHOLARS 2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.) 3. (2) GRADUATE STUDENTS 4. (0) UNDERGRADUATE STUDENTS 5. (0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY) 6. (0) OTHER TOTAL SALARIES AND WAGES (A + B) C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS) TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C) D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING TOTAL EQUIPMENT E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 7. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS	0.00	0.00 0.00 0.00	0.00	30,00 42,00 3,10 45,10	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
6. (0) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE) 7. (1) TOTAL SENIOR PERSONNEL (1 - 6) B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS) 1. (0) POST DOCTORAL SCHOLARS 2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.) 3. (2) GRADUATE STUDENTS 4. (0) UNDERGRADUATE STUDENTS 5. (0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY) 6. (0) OTHER TOTAL SALARIES AND WAGES (A + B) C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS) TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C) D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING TOTAL EQUIPMENT E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTICIPANTS	0.00	0.00 0.00 0.00	0.00	30,00 42,00 3,10 45,10	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS) 1. (0.00	0.00	0.00	30,00 42,00 3,10 45,10	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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TOTAL EQUIPMENT E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTIC	€ \$5,0	00.)		5,0(0
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1. STIPENDS \$					
2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTIC					
2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTIC					
4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTIC					
TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PARTIC					
	IPAN	T COSTS	3		0
G. OTHER DIRECT COSTS			-		
				0.49	22
1. MATERIALS AND SUPPLIES 2. DURI ICATION COSTS/DOCUMENTATION/DISSEMINATION				9,48	
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION				2,00	
3. CONSULTANT SERVICES				1,60	_
4. COMPUTER SERVICES					0
5. SUBAWARDS				114,8	
6. OTHER				20,00	00
TOTAL OTHER DIRECT COSTS				147,9	
H. TOTAL DIRECT COSTS (A THROUGH G)				203,0	
. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)					
MTDC (Rate: 46.5000, Base: 93184)					
,				40.04	04
TOTAL INDIRECT COSTS (F&A)				43,3	
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)				246,34	_
K. SMALL BUSINESS FEE					0
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)				246,34	17
M. COST SHARING PROPOSED LEVEL \$ 0 AGREED LEVE	LIFD				
PI/PD NAME		IFFERE	NT \$		
Vonnie Perkins	- 1	IFFERE		ISF USE ONL	Y
ORG. REP. NAME*			FOR N	ISF USE ONL	

SUMMARY Cumulative PROPOSAL BUDGET FOR NSF USE ONLY

ORGANIZATION	<u>'</u> '	PRO	POSAL		DURATIO	ON (months)
University of South Carolina at Columbia					Proposed	Granted
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR		A۱	WARD N	Ο.		
Vonnie Perkins						
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title, A.7. show number in brackets)		NSF Fund Person-mo		Requ	unds ested By	Funds granted by NSF
	CAL	ACAD	SUMR	pro	poser	(if different)
1. Vonnie Y Perkins - none 2.	0.00	0.00	3.00		36,000	
3.						
4.						
5.						
6. () OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)	0.00	0.00	0.00		0	
7. (1) TOTAL SENIOR PERSONNEL (1 - 6)	0.00				36,000	
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)	0.00	0.00	0.00			
1. (0) POST DOCTORAL SCHOLARS	0.00	0.00	0.00		0	
2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)	0.00				0	
3. (6) GRADUATE STUDENTS					90,000	
4. (0) UNDERGRADUATE STUDENTS					0	
5. (0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)					0	
6. (0) OTHER					0	
TOTAL SALARIES AND WAGES (A + B)					126,000	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					9,303	
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)					135,303	
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEED	ING \$5,0	000.)				
TOTAL EQUIPMENT					0	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS)					15,000	
2. FOREIGN					15,000	
F. PARTICIPANT SUPPORT COSTS						
1. STIPENDS \$						
Z. TRAVEL ON						
3. 50B5I5TENCE						
4. OTHER			_			
TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR	TICIPAN	II COST	5		0	
G. OTHER DIRECT COSTS					00.440	
1. MATERIALS AND SUPPLIES					28,449	
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION					6,000	
3. CONSULTANT SERVICES					4,800	
4. COMPUTER SERVICES 5. SUBAWARDS					244 406	
6. OTHER					344,496 60,000	
TOTAL OTHER DIRECT COSTS					60,000 443,745	
H. TOTAL DIRECT COSTS (A THROUGH G)					609,048	
I. INDIRECT COSTS (A THROUGH G) I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)					003,040	
i. INDINECT GOOTS (I RA)(OI EOII I NATE AND BAGE)						
TOTAL INDIRECT COSTS (F&A)					129,993	
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)					739,041	
K. SMALL BUSINESS FEE					703,041 0	
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)					739,041	
M. COST SHARING PROPOSED LEVEL \$ 0 AGREED LE	VEL IF	DIFFERE	NT \$	l .		1
PI/PD NAME				ISF US	E ONLY	
Vonnie Perkins		INDIR			E VERIFIC	CATION
ORG. REP. NAME*	Da	ate Checked		e Of Rate		Initials - ORG

NSF allows up to 2 summer months of effort.

XXXXX, Ph.D. Budget Justification

For the Personnel section, indicate the effort as the number of months, and whether it is academic, calendar or summer depending upon the faculty member's appointment. Only faculty/staff with a 12 month appointment should use calendar months.

Personnel

Name of Principal Investigator, (X month, academic)

Post-doctoral Research Fellow, to be named,

A full-time post-doctoral research fellow (12.0 calendar months) is being requested for the duration of the project. The post-doctoral fellow will have the primary responsibility of monitoring XXXXXXX. The research fellow, along with the PI, will perform XXXXXXX. The research fellow will also assist the PI on XXXX, as stated in the proposal.

Graduate Research Assistants, to be named,

Equipment

Only list equipment that is greater than \$5000. No indirect costs are charged on Equipment. Computers and software should be listed under Supplies. Attach quotes for items with a unit cost of \$5000 or greater.

Travel

Year 1: \$XXXX; Year 2:\$XXXX

<u>Domestic Travel:</u> Travel to professional meetings – Funds are requested for travel to by the Principal Investigator or students to one professional meeting per year to present findings from the study. Be specific if possible. (Give a cost breakdown)

<u>Foreign Travel:</u> Travel to professional meeting - Give a cost breakdown and information about the name of the conference/meeting and who is attending.

Supplies

The following supplies will be purchased for use in the XXXX procedures described in the proposal and will be broken down into XXXX supplies.

Supply #1 (Yr 1 -\$XX; Yr 2- \$XX). Explain why needed.

Supply #2; (Yr 1 -\$XX; Yr 2- \$XX)

Explain why needed

Other Expenses

Year 1: \$XXXXX; Year 2: \$XXXXX

<u>Publication costs</u> – Funds are requested to cover page costs for publication of study findings in professional journals (Average 2 publications per year of the proposal). (\$XXX, Years 1-2)

Consultants- Different from a subaward agreement. This is typically used when someone is supplying a service to many customers. May be an individual or a business.

Subaward/Consortium Agreements - Include information such as the name of the subawardee, short statement of the Scope of Work and cost. Note: Indirect costs are only charged on the first \$25,000 for each subawardee per USC's indirect cost rate agreement.

Rent- Explain. Indirect costs are not charged on rental of office space that is off-campus.

Graduate Assistant Tuition-Funds are requested to cover a full year's tuition for two graduate assistants. (\$XXXX2, years 1-2). No indirect costs are charged on tuition.

Indirect Cost Rate

USC has a federally negotiated indirect cost rate agreement with DHHS. On campus (indicate research, service or instruction) projects carry a XXX% (46.5% for research, 35% for service/training and 49.5% instruction) rate. Off-campus rate of 26% may be used only when more than 50% of the project will occur off of the main USC campus.

SUMMARY YEAR 1
PROPOSAL BUDGET FOR NSF USE ONLY

PROPOSAL BUDG	11101 00112 202 021				OR NSF USE ONLY				
ORGANIZATION		PRO	POSAL	NO.	DURATION (month				
University of Maryland College Park					Proposed	Granted			
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR Sally Egloff		A	WARD N	0.					
A. SENIOR PERSONNEL: PI/PD, Co-Pl's, Faculty and Other Senior Associates		NSF Fund Person-mo	ed oths		unds _	Funds			
(List each separately with title, A.7. show number in brackets)	CAL	ACAD	SUMR	Requ pro	ested By poser	granted by NSF (if different)			
1. Sally Egloff	0.00	0.00	1.00		18,000				
2.									
3.									
4.									
5.									
6. (0) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)	0.00	0.00	0.00		0				
7. (1) TOTAL SENIOR PERSONNEL (1 - 6)	0.00		1.00		18,000				
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)	0.00	0.00			10,000				
1. (1) POST DOCTORAL SCHOLARS	0.00	0.00	0.00		0				
2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)	0.00				0				
3. (1) GRADUATE STUDENTS	0.00	0.00	0.00		20,000				
4. (1) UNDERGRADUATE STUDENTS					20,000				
5. (1) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)					0				
6. (0) OTHER					0				
TOTAL SALARIES AND WAGES (A + B)					38,000				
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					7,265				
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)					45,265				
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEED	INC \$5 (١٥٥ ١			40,200				
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 0 2. TRAVEL 0 3. SUBSISTENCE 0 4. OTHER 0					2,500 2,500				
4. OTHER	TIQUEAN	T 000T	_						
TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR G. OTHER DIRECT COSTS	TICIPAN	11 60513	5		0				
1. MATERIALS AND SUPPLIES					16,245				
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION					2,000				
3. CONSULTANT SERVICES					1,000				
4. COMPUTER SERVICES					0				
5. SUBAWARDS					0				
6. OTHER					13,000				
TOTAL OTHER DIRECT COSTS					32,245				
H. TOTAL DIRECT COSTS (A THROUGH G)					82,510				
I. INDIRECT COSTS (A THROUGH G) I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)					JE,J10				
MTDC (Rate: 46.5000, Base: 69510)									
TOTAL INDIRECT COSTS (F&A)					32,322				
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)					32,322 114,832				
K. SMALL BUSINESS FEE					114,032 0				
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)					114,832				
M. COST SHARING PROPOSED LEVEL \$ 0 AGREED LE	:\/FI	JIFFEDE	NT ¢		114,032				
·	VELIF L	JIFIFEKE.		ISE HE	E ONI V	8000			
PI/PD NAME Solly Enloff	\vdash	INIDID			E ONLY	PATION			
Sally Egloff ODG RED NAME*		INDIRE ate Checked		Of Rate	Sheet	Initials - ORG			
ORG. REP. NAME*		TE CHECKE	Date	o rate	JIIEEL	miliais - UKG			
1 *EL ECTRON		ATUDEO	DECLUS		DE\//CED	DUDOET			

SUMMARY YEAR 2
PROPOSAL BUDGET FOR NSF USE ONLY

PROPOSAL BUDG	ET		FOR	NSF USE ONLY	
ORGANIZATION		PRO	POSAL N	NO. DURATIO	N (months
University of Maryland College Park				Proposed	
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR		A۱	NARD NC	D	
Sally Egloff					
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates		NSF Fund Person-mor	ed oths	Funds	Funds
(List each separately with title, A.7. show number in brackets)	CAL	ACAD	SUMR	Requested By proposer	granted by NS (if different)
1. Sally Egloff	0.00	0.00	1.00	18,000	
2.				-,	
3.					
4.					
5.					
6. (0) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)	0.00	0.00	0.00	0	
7. (1) TOTAL SENIOR PERSONNEL (1 - 6)	0.00	0.00	1.00	18,000	
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					
1. (0) POST DOCTORAL SCHOLARS	0.00	0.00	0.00	0	
2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)	0.00		0.00	0	
3. (1) GRADUATE STUDENTS		•		20,000	
4. (0) UNDERGRADUATE STUDENTS				0	
5. (0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)				0	
6. (0) OTHER				0	
TOTAL SALARIES AND WAGES (A + B)				38,000	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)				7,265	
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)				45,265	
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEED	ING \$5,0	000.)			
F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$			\dashv		
2. TRAVEL O 3. SUBSISTENCE O					
4. OTHER					
TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR	TICIPAN	T COSTS	3	0	
G. OTHER DIRECT COSTS					
1. MATERIALS AND SUPPLIES				16,245	
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION				2,000	
3. CONSULTANT SERVICES				1,000	
4. COMPUTER SERVICES				0	
5. SUBAWARDS 6. OTHER				12 000	
TOTAL OTHER DIRECT COSTS				13,000 32,245	
H. TOTAL DIRECT COSTS (A THROUGH G)				82,510	
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)				02,010	
MTDC (Rate: 46.5000, Base: 69510)					
TOTAL INDIRECT COSTS (F&A)				32.322	
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)				114,832	
K. SMALL BUSINESS FEE				0	
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)				114,832	
				,	
	VEL IF D	IFFERE	NT\$		
M. COST SHARING PROPOSED LEVEL \$ 0 AGREED LE	VEL IF [DIFFERE		SF USE ONLY	
	VEL IF [FOR N	SF USE ONLY T RATE VERIFIC	CATION
M. COST SHARING PROPOSED LEVEL \$ 0 AGREED LE PI/PD NAME			FOR N		CATION Initials - OR

SUMMARY YEAR 3
PROPOSAL BUDGET FOR NSF USE ONLY

PROPOSAL BUDG	ᆫᅵ		FUF	RNSF		
ORGANIZATION		PRO	DPOSAL	NO.	DURATIO	ON (months
University of Maryland College Park					Proposed	Granted
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR		Δ\	WARD N	O.	1, 1130	
Sally Egloff		'`'		O .		
A. SENIOR PERSONNEL: PI/PD, Co-Pl's, Faculty and Other Senior Associates		NSF Fund Person-mo	led		l Funds	Funds
(List each separately with title, A.7. show number in brackets)				Requ	uested By	granted by N (if different
` ' '	CAL	ACAD	SUMR	· ·		(ii dillerent
1. Sally Egloff	0.00	0.00	1.00		18,000	
2.						
3.						
4.						
5.						
6. (0) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)	0.00	0.00	0.00		0	
7. (1) TOTAL SENIOR PERSONNEL (1 - 6)	0.00	0.00			18,000	
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)	0.00	0.00	1.00		.0,000	
1. (1) POST DOCTORAL SCHOLARS	0.00	0.00	0.00		0	
\					0	
2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)	0.00	0.00	0.00			
3. (1) GRADUATE STUDENTS					20,000	
4. (0) UNDERGRADUATE STUDENTS					<u> </u>	
5. (0) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)					0	
6. (0) OTHER					0	
TOTAL SALARIES AND WAGES (A + B)					38,000	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					7,265	
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)					45,265	
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEED	ING \$5.0	000.)			<u> </u>	
TOTAL EQUIPMENT E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN					2,500 2,500	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS)					2,500	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS					2,500	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 0					2,500	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL					2,500	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE					2,500	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 0					2,500	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 0 0 0	TICIPAN	T COSTS	S		2,500	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 0 2. TRAVEL 0 3. SUBSISTENCE 0 4. OTHER 0	TICIPAN	T COSTS	S		2,500 2,500	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 0 2. TRAVEL 0 3. SUBSISTENCE 0 4. OTHER 0 TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR	TICIPAN	T COSTS	S		2,500 2,500	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES	TICIPAN	T COSTS	S		2,500 2,500 0 16,245	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION	TICIPAN	T COSTS	S		2,500 2,500 0 16,245 2,000	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES	TICIPAN	T COSTS	S		2,500 2,500 0 16,245 2,000 1,000	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES	TICIPAN	T COSTS	S		2,500 2,500 0 16,245 2,000 1,000	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS	TICIPAN	T COSTS	S		2,500 2,500 0 16,245 2,000 1,000 0	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER	TICIPAN	T COSTS	S		2,500 2,500 0 16,245 2,000 1,000 0 13,000	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS	TICIPAN	T COSTS	S		2,500 2,500 0 16,245 2,000 1,000 0 13,000 32,245	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS (A THROUGH G)	TICIPAN	T COSTS	S		2,500 2,500 0 16,245 2,000 1,000 0 13,000	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)	TICIPAN	T COSTS	S		2,500 2,500 0 16,245 2,000 1,000 0 13,000 32,245	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS (A THROUGH G)	TICIPAN	T COSTS	S		2,500 2,500 2,500 0 16,245 2,000 1,000 0 13,000 32,245 82,510	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)	TICIPAN	T COSTS	S		2,500 2,500 0 16,245 2,000 1,000 0 13,000 32,245	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) MTDC (Rate: 46.5000, Base: 69510)	TICIPAN	T COSTS	S		2,500 2,500 2,500 0 16,245 2,000 1,000 0 13,000 32,245 82,510	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) MTDC (Rate: 46.5000, Base: 69510) TOTAL INDIRECT COSTS (F&A)	TICIPAN	T COSTS	S		2,500 2,500 0 16,245 2,000 1,000 0 13,000 32,245 82,510	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) MTDC (Rate: 46.5000, Base: 69510) TOTAL DIRECT AND INDIRECT COSTS (H + I) K. SMALL BUSINESS FEE	TICIPAN	T COSTS	S		2,500 2,500 0 16,245 2,000 1,000 0 13,000 32,245 82,510 32,322 114,832 0	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) MTDC (Rate: 46.5000, Base: 69510) TOTAL DIRECT AND INDIRECT COSTS (H + I) K. SMALL BUSINESS FEE L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)					2,500 2,500 0 16,245 2,000 1,000 0 13,000 32,245 82,510 32,322 114,832	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) II. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) MTDC (Rate: 46.5000, Base: 69510) TOTAL INDIRECT COSTS (F&A) J. TOTAL DIRECT AND INDIRECT COSTS (H + I) K. SMALL BUSINESS FEE L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K) M. COST SHARING PROPOSED LEVEL \$ 0 AGREED LE			NT \$	VSE IIS	2,500 2,500 2,500 0 16,245 2,000 1,000 0 32,245 82,510 32,322 114,832 0 114,832	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) II. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) MTDC (Rate: 46.5000, Base: 69510) TOTAL INDIRECT AND INDIRECT COSTS (H + I) K. SMALL BUSINESS FEE L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K) M. COST SHARING PROPOSED LEVEL \$ 0 AGREED LE		DIFFERE	NT \$ FOR N		2,500 2,500 2,500 0 16,245 2,000 1,000 0 13,000 32,245 82,510 32,322 114,832 0 114,832	CATION
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS) 2. FOREIGN F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 2. TRAVEL 3. SUBSISTENCE 4. OTHER TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PAR G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G) II. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) MTDC (Rate: 46.5000, Base: 69510) TOTAL INDIRECT COSTS (F&A) J. TOTAL DIRECT AND INDIRECT COSTS (H + I) K. SMALL BUSINESS FEE L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K) M. COST SHARING PROPOSED LEVEL \$ 0 AGREED LE	VEL IF [DIFFERE	NT \$ FOR N		2,500 2,500 2,500 16,245 2,000 1,000 0 13,000 32,245 82,510 32,322 114,832 0 114,832	CATION Initials - OF

SUMMARY Cumulative
PROPOSAL BUDGET FOR NSF USE ONLY
PROPOSAL NO. DURATION (more

		PRO	OPOSAL	NO.	DURATIO	ON (months
University of Maryland College Park					Proposed	Granted
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR		A'	WARD NO	Э.		
Sally Egloff						
A. SENIOR PERSONNEL: PI/PD, Co-Pl's, Faculty and Other Senior Associates		NSF Fund Person-mo	led nths	Fu	inds ested By	Funds granted by N
(List each separately with title, A.7. show number in brackets)	CAL	ACAD	SUMR	prop	poser	(if different
1. Sally Egloff	0.00	0.00	3.00		54,000	
2.						
3.						
4.						
5.						
6. () OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)	0.00	0.00	0.00		0	
7. (1) TOTAL SENIOR PERSONNEL (1 - 6)	0.00	0.00	3.00		54,000	
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)						
1. (0) POST DOCTORAL SCHOLARS	0.00	0.00	0.00		0	
2. (0) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)	0.00				0	
3. (3) GRADUATE STUDENTS	0.00	0.00			60,000	
4. (0) UNDERGRADUATE STUDENTS					0	
5. (1) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)					0	
6. (0) OTHER					0	
TOTAL SALARIES AND WAGES (A + B)				-	114,000	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					21,795	
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)				-	135,795	
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDI	NG \$5 C	100.)			100,190	
F. PARTICIPANT SUPPORT COSTS 1. STIPENDS \$ 0						
1. STIPENDS \$						
1. STIPENDS \$ 0 2. TRAVEL 0 3. SUBSISTENCE 0						
1. STIPENDS \$ 0 2. TRAVEL 0 3. SUBSISTENCE 0 4. OTHER 0						
1. STIPENDS \$ 0 2. TRAVEL 0 3. SUBSISTENCE 0 4. OTHER 0 TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART	ΓΙCΙΡΑΝ	T COST	S		0	
1. STIPENDS \$	ΓΙCΙΡΑΝ	T COST	S			
1. STIPENDS \$ 0 2. TRAVEL 0 3. SUBSISTENCE 0 4. OTHER 0 TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES	ΓΙCIPAN	T COST	S		48,735	
1. STIPENDS \$ 0 2. TRAVEL 0 3. SUBSISTENCE 0 4. OTHER 0 TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION	ΓΙCΙΡΑΝ	T COST	S		48,735 6,000	
1. STIPENDS \$ 0 2. TRAVEL 0 3. SUBSISTENCE 0 4. OTHER 0 TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES	ΓΙCIPAN	T COST	S		48,735 6,000 3,000	
1. STIPENDS \$ 0 2. TRAVEL 0 3. SUBSISTENCE 0 4. OTHER 0 TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES	ΓΙCΙΡΑΝ	T COST	S		48,735 6,000 3,000 0	
1. STIPENDS \$ 0 2. TRAVEL 0 3. SUBSISTENCE 0 4. OTHER 0 TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS	ΓΙCIPAN	T COST	S		48,735 6,000 3,000 0	
1. STIPENDS \$ 0 2. TRAVEL 0 3. SUBSISTENCE 0 4. OTHER 0 TOTAL NUMBER OF PARTICIPANTS (0) TOTAL PART G. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES 4. COMPUTER SERVICES 5. SUBAWARDS 6. OTHER	ΓΙCIPAN	T COST	S		48,735 6,000 3,000 0 0 39,000	
1. STIPENDS \$	ΓΙCIPAN	T COST	S		48,735 6,000 3,000 0 0 39,000 96,735	
1. STIPENDS \$	ΓΙCIPAN	T COST	S		48,735 6,000 3,000 0 0 39,000	
1. STIPENDS \$	ΓΙCIPAN	T COST	S		48,735 6,000 3,000 0 0 39,000 96,735	
1. STIPENDS \$	ΓΙCIPAN	T COST	S		48,735 6,000 3,000 0 0 39,000 96,735 247,530	
1. STIPENDS \$	ΓΙCIPAN	T COST	S		48,735 6,000 3,000 0 0 39,000 96,735 247,530	
1. STIPENDS \$	ΓΙCIPAN	T COST	S		48,735 6,000 3,000 0 39,000 96,735 247,530 96,966 344,496	
1. STIPENDS \$	ΓΙCIPAN	T COST	S		48,735 6,000 3,000 0 39,000 96,735 247,530 96,966 344,496 0	
1. STIPENDS \$					48,735 6,000 3,000 0 39,000 96,735 247,530 96,966 344,496	
1. STIPENDS \$			NT \$	3	48,735 6,000 3,000 0 0 39,000 96,735 247,530 96,966 344,496 0	
1. STIPENDS \$		DIFFERE	NT \$	SF USI	48,735 6,000 3,000 0 0 39,000 96,735 247,530 96,966 344,496 0 344,496	CATION

NSF allows up to 2 summer months of effort.

XXXXX, Ph.D. Budget Justification

For the Personnel section, indicate the effort as the number of months, and whether it is academic, calendar or summer depending upon the faculty member's appointment. Only faculty/staff with a 12 month appointment should use calendar months.

Personnel

Name of Principal Investigator, (X month, academic)

Post-doctoral Research Fellow, to be named,

A full-time post-doctoral research fellow (12.0 calendar months) is being requested for the duration of the project. The post-doctoral fellow will have the primary responsibility of monitoring XXXXXXX. The research fellow, along with the PI, will perform XXXXXXX. The research fellow will also assist the PI on XXXX, as stated in the proposal.

Graduate Research Assistants, to be named,

Equipment

Only list equipment that is greater than \$5000. No indirect costs are charged on Equipment. Computers and software should be listed under Supplies. Attach quotes for items with a unit cost of \$5000 or greater.

Travel

Year 1: \$XXXX; Year 2:\$XXXX

<u>Domestic Travel:</u> Travel to professional meetings – Funds are requested for travel to by the Principal Investigator or students to one professional meeting per year to present findings from the study. Be specific if possible. (Give a cost breakdown)

<u>Foreign Travel:</u> Travel to professional meeting - Give a cost breakdown and information about the name of the conference/meeting and who is attending.

Supplies

The following supplies will be purchased for use in the XXXX procedures described in the proposal and will be broken down into XXXX supplies.

Supply #1 (Yr 1 -\$XX; Yr 2- \$XX). Explain why needed.

Supply #2; (Yr 1 -\$XX; Yr 2- \$XX)

Explain why needed

Other Expenses

Year 1: \$XXXXX; Year 2: \$XXXXX

<u>Publication costs</u> – Funds are requested to cover page costs for publication of study findings in professional journals (Average 2 publications per year of the proposal). (\$XXX, Years 1-2)

Consultants- Different from a subaward agreement. This is typically used when someone is supplying a service to many customers. May be an individual or a business.

Subaward/Consortium Agreements - Include information such as the name of the subawardee, short statement of the Scope of Work and cost. Note: Indirect costs are only charged on the first \$25,000 for each subawardee per USC's indirect cost rate agreement.

Rent- Explain. Indirect costs are not charged on rental of office space that is off-campus.

Graduate Assistant Tuition-Funds are requested to cover a full year's tuition for two graduate assistants. (\$XXXX2, years 1-2). No indirect costs are charged on tuition.

Indirect Cost Rate

USC has a federally negotiated indirect cost rate agreement with DHHS. On campus (indicate research, service or instruction) projects carry a XXX% (46.5% for research, 35% for service/training and 49.5% instruction) rate. Off-campus rate of 26% may be used only when more than 50% of the project will occur off of the main USC campus.