

**HRD  
PROPOSAL BUDGET**

YEAR 01763840

ORGANIZATION <b>Dine College</b>				FOR NSF USE ONLY					
				PROPOSAL NO.	DURATION (months)				
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR <b>Frederick T Boyd</b>				AWARD NO.	Proposed	Granted			
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 Funded Person-months			Funds Requested From NSF	Non-Federal Matching Funds	Total Project Cost
	CAL	ACAD	SUM						
1.	<b>Frederick T Boyd - PI</b>	0.00	0.68	0.00	\$ 4,650	\$ 0	\$ 4,650		
2.	<b>Donald K Robinson - Co-PI</b>	0.00	0.68	0.00	4,781	0	4,781		
3.									
4.									
5.									
6.	( 0 ) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)	0.00	0.00	0.00	0	0	0		
7.	( 2 ) TOTAL SENIOR PERSONNEL (1 - 6)	0.00	1.36	0.00	9,431	0	9,431		
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)									
1.	( 0 ) POST DOCTORAL SCHOLARS	0.00	0.00	0.00	0	0	0		
2.	( 2 ) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)	12.00	0.00	0.00	90,000	0	90,000		
3.	( 0 ) GRADUATE STUDENTS				0	0	0		
4.	( 0 ) UNDERGRADUATE STUDENTS				0	0	0		
5.	( 1 ) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)				7,000	0	7,000		
6.	( 10 ) OTHER				57,986	0	57,986		
TOTAL SALARIES AND WAGES (A + B)					164,417	0	164,417		
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					47,338	0	47,338		
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)					211,755	0	211,755		
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.)									
	<b>DNA Sequencer</b>		\$ 60,000						
	<b>Electrical Backup Equipment</b>		20,000						
	<b>GC-Mass Spec</b>		80,000						
	<b>Others: (see budget comment page ...)</b>		372,000						
<b>TOTAL EQUIPMENT</b>					532,000	0	532,000		
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS)					70,294	0	70,294		
2. INTERNATIONAL					0	0	0		
F. PARTICIPANT SUPPORT COSTS									
1.	STIPENDS \$ 7,200								
2.	TRAVEL 0								
3.	SUBSISTENCE 0								
4.	OTHER 0								
( 2 ) TOTAL PARTICIPANT COSTS					7,200	0	7,200		
G. OTHER DIRECT COSTS									
1.	MATERIALS AND SUPPLIES				112,994	0	112,994		
2.	PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION				9,000	0	9,000		
3.	CONSULTANT SERVICES				10,000	0	10,000		
4.	COMPUTER SERVICES				5,000	0	5,000		
5.	SUBAWARDS				0	0	0		
6.	OTHER				0	0	0		
TOTAL OTHER DIRECT COSTS					136,994	0	136,994		
H. TOTAL DIRECT COSTS (A THROUGH G)					958,243	0	958,243		
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)									
<b>Salary and Fringe (Rate: 30.7000, Base: 211755)</b>									
TOTAL INDIRECT COSTS (F&A)					65,009	0	65,009		
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)					1,023,252	0	1,023,252		
K. FEE					0	0	0		
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)					\$ 1,023,252	\$ 0	\$ 1,023,252		
M. COST SHARING PROPOSED LEVEL \$ 0				AGREED LEVEL IF DIFFERENT \$					
PI/PD NAME <b>Frederick T Boyd</b>				FOR NSF USE ONLY					
ORG. REP. NAME* <b>Bauer, Mark</b>				INDIRECT COST RATE VERIFICATION					
		Date Checked	Date Of Rate Sheet	Initials - ORG					

01763840 ELECTRONIC SIGNATURES REQUIRED FOR REVISED BUDGET

## SUMMARY PROPOSAL BUDGET COMMENTS - Year 01763840

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### Other Equipment Details: Item Name and Amount

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Ion Chromatography (IC) (Amount: \$ 40000)  
LC-Mass Spec (Amount: \$ 204000)  
Mass Spec (ICPMS) (Amount: \$ 100000)  
minus 80 freezer (Amount: \$ 28000)  
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# HRD PROPOSAL BUDGET

YEAR 2

ORGANIZATION <b>Dine College</b>				FOR NSF USE ONLY				
				PROPOSAL NO.	DURATION (months)			
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR <b>Frederick T Boyd</b>				AWARD NO.	Proposed	Granted		
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 Funded Person-months		Funds Requested From NSF	Non-Federal Matching Funds	Total Project Cost
	CAL	ACAD	SUM					
1.	<b>Frederick T Boyd - PI</b>	0.00	0.68	0.00	\$ 4,766	\$ 0	\$ 4,766	
2.	<b>Donald K Robinson - Co-PI</b>	0.00	0.68	0.00	4,901	0	4,901	
3.								
4.								
5.								
6.	( 0 ) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)	0.00	0.00	0.00	0	0	0	
7.	( 2 ) TOTAL SENIOR PERSONNEL (1 - 6)	0.00	1.36	0.00	9,667	0	9,667	
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)								
1.	( 0 ) POST DOCTORAL SCHOLARS	0.00	0.00	0.00	0	0	0	
2.	( 3 ) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)	24.00	0.00	0.00	108,225	0	108,225	
3.	( 0 ) GRADUATE STUDENTS				0	0	0	
4.	( 0 ) UNDERGRADUATE STUDENTS				0	0	0	
5.	( 1 ) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)				7,175	0	7,175	
6.	( 10 ) OTHER				59,561	0	59,561	
TOTAL SALARIES AND WAGES (A + B)					184,628	0	184,628	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					53,154	0	53,154	
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)					237,782	0	237,782	
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.)								
TOTAL EQUIPMENT					0	0	0	
E. TRAVEL					72,051	0	72,051	
1. DOMESTIC (INCL. U.S. POSSESSIONS)					72,051	0	72,051	
2. INTERNATIONAL					0	0	0	
F. PARTICIPANT SUPPORT COSTS								
1.	STIPENDS \$ <u>7,380</u>							
2.	TRAVEL <u>0</u>							
3.	SUBSISTENCE <u>0</u>							
4.	OTHER <u>0</u>							
( 2 ) TOTAL PARTICIPANT COSTS					7,380	0	7,380	
G. OTHER DIRECT COSTS								
1.	MATERIALS AND SUPPLIES				113,869	0	113,869	
2.	PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION				9,225	0	9,225	
3.	CONSULTANT SERVICES				10,000	0	10,000	
4.	COMPUTER SERVICES				5,125	0	5,125	
5.	SUBAWARDS				0	0	0	
6.	OTHER				0	0	0	
TOTAL OTHER DIRECT COSTS					138,219	0	138,219	
H. TOTAL DIRECT COSTS (A THROUGH G)					455,432	0	455,432	
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)								
<b>Salary and Fringe (Rate: 30.7000, Base: 237782)</b>								
TOTAL INDIRECT COSTS (F&A)					72,999	0	72,999	
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)					528,431	0	528,431	
K. FEE					0	0	0	
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)					\$ 528,431	\$ 0	\$ 528,431	
M. COST SHARING PROPOSED LEVEL \$ <b>0</b>				AGREED LEVEL IF DIFFERENT \$				
PI/PD NAME <b>Frederick T Boyd</b>				FOR NSF USE ONLY				
ORG. REP. NAME* <b>Bauer, Mark</b>				INDIRECT COST RATE VERIFICATION				
				Date Checked	Date Of Rate Sheet	Initials - ORG		

# HRD PROPOSAL BUDGET

YEAR 3

ORGANIZATION <b>Dine College</b>				FOR NSF USE ONLY				
				PROPOSAL NO.	DURATION (months)			
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR <b>Frederick T Boyd</b>				AWARD NO.	Proposed	Granted		
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 Funded Person-months		Funds Requested From NSF	Non-Federal Matching Funds	Total Project Cost
	CAL	ACAD	SUM					
1.	<b>Frederick T Boyd - PI</b>	0.00	0.68	0.00	\$ 4,886	\$ 0	\$ 4,886	
2.	<b>Donald K Robinson - Co-PI</b>	0.00	0.68	0.00	5,023	0	5,023	
3.								
4.								
5.								
6.	( 0 ) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)	0.00	0.00	0.00	0	0	0	
7.	( 2 ) TOTAL SENIOR PERSONNEL (1 - 6)	0.00	1.36	0.00	9,909	0	9,909	
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)								
1.	( 0 ) POST DOCTORAL SCHOLARS	0.00	0.00	0.00	0	0	0	
2.	( 3 ) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)	36.00	0.00	0.00	152,058	0	152,058	
3.	( 0 ) GRADUATE STUDENTS				0	0	0	
4.	( 0 ) UNDERGRADUATE STUDENTS				0	0	0	
5.	( 1 ) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)				7,354	0	7,354	
6.	( 10 ) OTHER				59,605	0	59,605	
TOTAL SALARIES AND WAGES (A + B)					228,926	0	228,926	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					65,908	0	65,908	
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)					294,834	0	294,834	
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.)								
TOTAL EQUIPMENT					0	0	0	
E. TRAVEL					73,853	0	73,853	
1. DOMESTIC (INCL. U.S. POSSESSIONS)								
2. INTERNATIONAL					0	0	0	
F. PARTICIPANT SUPPORT COSTS								
1.	STIPENDS \$ _____	7,565						
2.	TRAVEL _____	0						
3.	SUBSISTENCE _____	0						
4.	OTHER _____	0						
( 2 ) TOTAL PARTICIPANT COSTS					7,565	0	7,565	
G. OTHER DIRECT COSTS								
1.	MATERIALS AND SUPPLIES				117,641	0	117,641	
2.	PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION				9,456	0	9,456	
3.	CONSULTANT SERVICES				10,000	0	10,000	
4.	COMPUTER SERVICES				5,253	0	5,253	
5.	SUBAWARDS				0	0	0	
6.	OTHER				0	0	0	
TOTAL OTHER DIRECT COSTS					142,350	0	142,350	
H. TOTAL DIRECT COSTS (A THROUGH G)					518,602	0	518,602	
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)								
<b>Salary and Fringe (Rate: 30.7000, Base: 294834)</b>								
TOTAL INDIRECT COSTS (F&A)					90,514	0	90,514	
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)					609,116	0	609,116	
K. FEE					0	0	0	
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)					\$ 609,116	\$ 0	\$ 609,116	
M. COST SHARING PROPOSED LEVEL \$ <b>0</b>				AGREED LEVEL IF DIFFERENT \$				
PI/PD NAME <b>Frederick T Boyd</b>				FOR NSF USE ONLY				
ORG. REP. NAME* <b>Bauer, Mark</b>				INDIRECT COST RATE VERIFICATION				
				Date Checked	Date Of Rate Sheet	Initials - ORG		

# HRD PROPOSAL BUDGET

YEAR 4

ORGANIZATION <b>Dine College</b>				FOR NSF USE ONLY				
				PROPOSAL NO.	DURATION (months)			
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR <b>Frederick T Boyd</b>				AWARD NO.	Proposed	Granted		
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 Funded Person-months		Funds Requested From NSF	Non-Federal Matching Funds	Total Project Cost
	CAL	ACAD	SUM					
1.	<b>Frederick T Boyd - PI</b>	0.00	0.68	0.00	\$ 5,008	\$ 0	\$ 5,008	
2.	<b>Donald K Robinson - Co-PI</b>	0.00	0.68	0.00	5,149	0	5,149	
3.								
4.								
5.								
6.	( 0 ) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)	0.00	0.00	0.00	0	0	0	
7.	( 2 ) TOTAL SENIOR PERSONNEL (1 - 6)	0.00	1.36	0.00	10,157	0	10,157	
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)								
1.	( 0 ) POST DOCTORAL SCHOLARS	0.00	0.00	0.00	0	0	0	
2.	( 3 ) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)	36.00	0.00	0.00	165,932	0	165,932	
3.	( 0 ) GRADUATE STUDENTS				0	0	0	
4.	( 0 ) UNDERGRADUATE STUDENTS				0	0	0	
5.	( 1 ) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)				7,538	0	7,538	
6.	( 10 ) OTHER				60,445	0	60,445	
TOTAL SALARIES AND WAGES (A + B)					244,072	0	244,072	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					70,268	0	70,268	
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)					314,340	0	314,340	
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.)								
TOTAL EQUIPMENT					0	0	0	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS)					75,699	0	75,699	
2. INTERNATIONAL					0	0	0	
F. PARTICIPANT SUPPORT COSTS								
1.	STIPENDS \$ 7,754							
2.	TRAVEL 0							
3.	SUBSISTENCE 0							
4.	OTHER 0							
( 2 ) TOTAL PARTICIPANT COSTS					7,754	0	7,754	
G. OTHER DIRECT COSTS								
1.	MATERIALS AND SUPPLIES				120,612	0	120,612	
2.	PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION				9,692	0	9,692	
3.	CONSULTANT SERVICES				10,000	0	10,000	
4.	COMPUTER SERVICES				5,384	0	5,384	
5.	SUBAWARDS				0	0	0	
6.	OTHER				0	0	0	
TOTAL OTHER DIRECT COSTS					145,688	0	145,688	
H. TOTAL DIRECT COSTS (A THROUGH G)					543,481	0	543,481	
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) <b>Salary and Fringe (Rate: 30.7000, Base: 314340)</b>								
TOTAL INDIRECT COSTS (F&A)					96,502	0	96,502	
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)					639,983	0	639,983	
K. FEE					0	0	0	
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)					\$ 639,983	\$ 0	\$ 639,983	
M. COST SHARING PROPOSED LEVEL \$ 0				AGREED LEVEL IF DIFFERENT \$				
PI/PD NAME <b>Frederick T Boyd</b>				FOR NSF USE ONLY				
ORG. REP. NAME* <b>Bauer, Mark</b>				INDIRECT COST RATE VERIFICATION				
		Date Checked	Date Of Rate Sheet	Initials - ORG				

# HRD PROPOSAL BUDGET

YEAR 5

ORGANIZATION <b>Dine College</b>				FOR NSF USE ONLY				
				PROPOSAL NO.	DURATION (months)			
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR <b>Frederick T Boyd</b>				AWARD NO.	Proposed	Granted		
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 Funded Person-months		Funds Requested From NSF	Non-Federal Matching Funds	Total Project Cost
	CAL	ACAD	SUM					
1.	<b>Frederick T Boyd - PI</b>	0.00	0.68	0.00	\$ 5,133	\$ 0	\$ 5,133	
2.	<b>Donald K Robinson - Co-PI</b>	0.00	0.68	0.00	5,278	0	5,278	
3.								
4.								
5.								
6.	( 0 ) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)	0.00	0.00	0.00	0	0	0	
7.	( 2 ) TOTAL SENIOR PERSONNEL (1 - 6)	0.00	1.36	0.00	10,411	0	10,411	
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)								
1.	( 0 ) POST DOCTORAL SCHOLARS	0.00	0.00	0.00	0	0	0	
2.	( 5 ) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)	36.00	0.00	0.00	161,180	0	161,180	
3.	( 0 ) GRADUATE STUDENTS				0	0	0	
4.	( 0 ) UNDERGRADUATE STUDENTS				0	0	0	
5.	( 1 ) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)				7,727	0	7,727	
6.	( 10 ) OTHER				61,958	0	61,958	
TOTAL SALARIES AND WAGES (A + B)					241,276	0	241,276	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					69,463	0	69,463	
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)					310,739	0	310,739	
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.)								
TOTAL EQUIPMENT					0	0	0	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS)					77,591	0	77,591	
2. INTERNATIONAL					0	0	0	
F. PARTICIPANT SUPPORT COSTS								
1.	STIPENDS \$ <u>7,948</u>							
2.	TRAVEL <u>0</u>							
3.	SUBSISTENCE <u>0</u>							
4.	OTHER <u>0</u>							
( 2 ) TOTAL PARTICIPANT COSTS					7,948	0	7,948	
G. OTHER DIRECT COSTS								
1.	MATERIALS AND SUPPLIES				106,424	0	106,424	
2.	PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION				9,934	0	9,934	
3.	CONSULTANT SERVICES				10,000	0	10,000	
4.	COMPUTER SERVICES				5,519	0	5,519	
5.	SUBAWARDS				0	0	0	
6.	OTHER				0	0	0	
TOTAL OTHER DIRECT COSTS					131,877	0	131,877	
H. TOTAL DIRECT COSTS (A THROUGH G)					528,155	0	528,155	
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)								
<b>Salary and Fringe (Rate: 30.7000, Base: 310739)</b>								
TOTAL INDIRECT COSTS (F&A)					95,397	0	95,397	
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)					623,552	0	623,552	
K. FEE					0	0	0	
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)					\$ 623,552	\$ 0	\$ 623,552	
M. COST SHARING PROPOSED LEVEL \$ <b>0</b>				AGREED LEVEL IF DIFFERENT \$				
PI/PD NAME <b>Frederick T Boyd</b>				FOR NSF USE ONLY				
ORG. REP. NAME* <b>Bauer, Mark</b>				INDIRECT COST RATE VERIFICATION				
		Date Checked	Date Of Rate Sheet	Initials - ORG				

# HRD PROPOSAL BUDGET

Cumulative

ORGANIZATION <b>Dine College</b>				FOR NSF USE ONLY				
				PROPOSAL NO.	DURATION (months)			
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR <b>Frederick T Boyd</b>				AWARD NO.	Proposed	Granted		
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 Funded Person-months		Funds Requested From NSF	Non-Federal Matching Funds	Total Project Cost
	CAL	ACAD	SUM					
1.	<b>Frederick T Boyd - PI</b>	0.00	3.40	0.00	\$ 24,443	\$ 0	\$ 24,443	
2.	<b>Donald K Robinson - Co-PI</b>	0.00	3.40	0.00	25,132	0	25,132	
3.								
4.								
5.								
6.	( 0 ) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE)	0.00	0.00	0.00	0	0	0	
7.	( 2 ) TOTAL SENIOR PERSONNEL (1 - 6)	0.00	6.80	0.00	49,575	0	49,575	
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)								
1.	( 0 ) POST DOCTORAL SCHOLARS	0.00	0.00	0.00	0	0	0	
2.	( 16 ) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)	144.00	0.00	0.00	677,395	0	677,395	
3.	( 0 ) GRADUATE STUDENTS				0	0	0	
4.	( 0 ) UNDERGRADUATE STUDENTS				0	0	0	
5.	( 5 ) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)				36,794	0	36,794	
6.	( 50 ) OTHER				299,555	0	299,555	
TOTAL SALARIES AND WAGES (A + B)					1,063,319	0	1,063,319	
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					306,131	0	306,131	
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C)					1,369,450	0	1,369,450	
D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.)								
\$ 532,000								
TOTAL EQUIPMENT					532,000	0	532,000	
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS)					369,488	0	369,488	
2. INTERNATIONAL					0	0	0	
F. PARTICIPANT SUPPORT COSTS								
1.	STIPENDS \$				37,847			
2.	TRAVEL				0			
3.	SUBSISTENCE				0			
4.	OTHER				0			
( 10 ) TOTAL PARTICIPANT COSTS					37,847	0	37,847	
G. OTHER DIRECT COSTS								
1.	MATERIALS AND SUPPLIES				571,540	0	571,540	
2.	PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION				47,307	0	47,307	
3.	CONSULTANT SERVICES				50,000	0	50,000	
4.	COMPUTER SERVICES				26,281	0	26,281	
5.	SUBAWARDS				0	0	0	
6.	OTHER				0	0	0	
TOTAL OTHER DIRECT COSTS					695,128	0	695,128	
H. TOTAL DIRECT COSTS (A THROUGH G)					3,003,913	0	3,003,913	
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)								
TOTAL INDIRECT COSTS (F&A)					420,421	0	420,421	
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)					3,424,334	0	3,424,334	
K. FEE					0	0	0	
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)					\$ 3,424,334	\$ 0	\$ 3,424,334	
M. COST SHARING PROPOSED LEVEL \$ 0				AGREED LEVEL IF DIFFERENT \$				
PI/PD NAME <b>Frederick T Boyd</b>				FOR NSF USE ONLY				
ORG. REP. NAME* <b>Bauer, Mark</b>				INDIRECT COST RATE VERIFICATION				
				Date Checked	Date Of Rate Sheet	Initials - ORG		