HRD YEAR 01763840 PROPOSAL BUDGET FOR NSF USE ONLY **ORGANIZATION** PROPOSAL NO. **DURATION** (months) Proposed Granted Dine College PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR AWARD NO. Frederick T Boyd Non-Federal Matching Funds Total Project Cost NSF Funded Person-month A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates Funds Requested From NSF (List each separately with title, A.7. show number in brackets) CAL ACAD SUM 1. Frederick T Boyd - PI 0 0.00 0.68 0.00 \$ 4,650 \$ \$ 4,650 2. Donald K Robinson - Co-PI 4,781 0 0.00 0.68 0.00 4,781 4. 5. (I) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE) 0 6. ( 0.00 0.00 0.00 0 0 2) TOTAL SENIOR PERSONNEL (1 - 6) 9,431 0 0.00 1.36 0.00 9,431 B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS) (I) POST DOCTORAL SCHOLARS 0.00 0.00 0 0 0 0.00 90,000 90,000 2) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.) 0 12.00 0.00 0.00 () GRADUATE STUDENTS 0 0 0 (I) UNDERGRADUATE STUDENTS 0 0 0 5. ( 1) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY) 0 7,000 7,000 0 6. ( 10) OTHER 57,986 57,986 TOTAL SALARIES AND WAGES (A + B) 164,417 0 164,417 C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS) 0 47,338 47,338 TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A + B + C) 0 211,755 211,755 D. EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM EXCEEDING \$5,000.) \$ **DNA Sequencer** 60.000 **Electrical Backup Equipment** 20.000 **GC-Mass Spec** 80.000 Others: (see budget comment page ...) 372,000 **TOTAL EQUIPMENT** 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 7,200 1. STIPENDS 0 2. TRAVEL 0 3. SUBSISTENCE 0 4. OTHER 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 9,000 0 0 10,000 3. CONSULTANT SERVICES 10,000 4. COMPUTER SERVICES 5,000 0 5,000 5. SUBAWARDS 0 0 0 0 6. OTHER 0 0 0 TOTAL OTHER DIRECT COSTS 136,994 136,994 H. TOTAL DIRECT COSTS (A THROUGH G) 958,243 0 958,243 I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) Salary and Fringe (Rate: 30.7000, Base: 211755) 65,009 0 65,009 TOTAL INDIRECT COSTS (F&A) 0 J. TOTAL DIRECT AND INDIRECT COSTS (H + I) 1,023,252 1,023,252 0 N 0 L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K) \$ 1,023,252 \$ 0 \$ 1,023,252 M. COST SHARING PROPOSED LEVEL \$ AGREED LEVEL IF DIFFERENT \$ 0 PI/PD NAME FOR NSF USE ONLY Frederick T Boyd INDIRECT COST RATE VERIFICATION ORG. REP. NAME\* Date Checked Date Of Rate Sheet Initials - ORG

0176384 ELECTRONIC SIGNATURES REQUIRED FOR REVISED BUDGET

Bauer, Mark

## **SUMMARY PROPOSAL BUDGET COMMENTS - Year 01763840**

Other Equipment Details: Item Name and Amount

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

-----

TROTOGAL BODGET						_		
ORGANIZATION					PROPOSAL NO. DURATION (month			(months)
Dine College					Proposed Granted			
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR				AWARD	AWARD NO.			
Frederick T Boyd								
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates		NSF Funde	ed _	Funds	Non-F	ederal		Total
(List each separately with title, A.7. show number in brackets)				Requested From NSF	Mato	ching nds		Project Cost
,	CAL	ACAD	SUM				_	
1. Frederick T Boyd - PI	0.00	0.68			\$	0	\$	4,766
2. Donald K Robinson - Co-Pl	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. ( <b>0</b> ) POST DOCTORAL SCHOLARS	0.00	0.00	0.00	0		0		0
2. ( <b>3</b> ) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)	24.00	0.00	0.00	108,225		0		108,225
3. ( <b>0</b> ) GRADUATE STUDENTS				0		0		
4. ( 1) UNDERGRADUATE STUDENTS				Ō		<u>0</u> 0		0
5. ( 1) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)				7,175		0		
								7,175
6. ( <b>10</b> ) 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	EXCEEDI	NG \$5.0	00.)	201,102				
B. EQUITMENT (EIGHTEM AND DOLLAN AMOUNT FOR EACHTEM	LACLLDI	14Ο ψυ,υ	00.)					
TOTAL EQUIPMENT						0		0
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS)				72,051		0		72,051
` '								
2. INTERNATIONAL				0		0		0
F. PARTICIPANT SUPPORT COSTS								
1. STIPENDS \$ 7,380								
2. TRAVEL								
3. SUBSISTENCE								
Λ								
4. OTHER								
( 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)						0		455,432
I. INDIRECT COSTS (A THROUGHTG)     I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)						J		700,702
, , ,								
Salary and Fringe (Rate: 30.7000, Base: 237782)				72,999		_		
TOTAL INDIRECT COSTS (F&A)						0		72,999
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)						0		528,431
K. FEE						0		0
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)	\$ 528,431	\$	n	\$	528,431			
				1.	,			
PI/PD NAME	VICED FE	· 11 L	IFFERENT	FOR NSF	LICE ON			
							TI 0 : :	
					ATE VE			
ORG. REP. NAME*					eet	Ini	itials - (	JRG
Bauer, Mark								
	2	*ELECTR	RONIC SIGN	IATURES REQUIF	RED FOR	≀ REVIS	ED B	UDGET

HRD YEAR 3

ORGANIZATION						DURA		(months)
Dine College					PROPOSAL NO. DURATION (month) Proposed Grant			
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR				AWARD	NO	Порс	364	Oranted
				AWARD	NO.			
Frederick T Boyd  A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates		NSF Fund	ed	Funds	Non-l	Federal		Total
(List each separately with title, A.7. show number in brackets)				Requested From NSF	Mat	ching unds		Project Cost
,	CAL	ACAD	SUM	+			_	
1. Frederick T Boyd - Pl	0.00	0.6					\$	4,886
2. Donald K Robinson - Co-PI	0.00	0.6	8 0.00	5,023		0		5,023
3.								
4.								
5.								
6. ( <b>0</b> ) Others (List individually on Budget Justification Page)	0.00	0.0				0		0
7. ( <b>2</b> ) TOTAL SENIOR PERSONNEL (1 - 6)	0.00	1.3	6 0.00	9,909		0		9,909
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)								
1. ( <b>0</b> ) POST DOCTORAL SCHOLARS	0.00	0.0	0.00	0		0		0
2. ( <b>3</b> ) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)	36.00	0.0	0.00	<b>152,058</b>		0		152,058
3. ( <b>0</b> ) GRADUATE STUDENTS				0		0		0
4. ( <b>0</b> ) UNDERGRADUATE STUDENTS				0		0		0
5. ( 1) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)				7,354		0		7,354
6. ( <b>10</b> ) OTHER				59,605		0		59,605
TOTAL SALARIES AND WAGES (A + B)				228,926		Ō		228,926
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)				65,908		Ō		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	EXCEEDI	NG \$5 (	000.)	234,004				234,004
B. Eggi WENT (EIGHTEWAND DOLLAN AMOONT FOR EAGITHEM	LXOLLDI	14Ο ψο,	,00.)					
				0				_
TOTAL EQUIPMENT						0		0
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS)						0		73,853
2. INTERNATIONAL				0		0		0
F. PARTICIPANT SUPPORT COSTS								
1. STIPENDS \$ 7,565								
2. TRAVEL								
3. SUBSISTENCE — 0								
4. OTHER								
( 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		Ō		9,456
3. CONSULTANT SERVICES				10,000		Ö		10,000
4. COMPUTER SERVICES				5,253		0		5,253
5. SUBAWARDS				0,203		0		<u> </u>
6. OTHER				0				0
				142,350		0		142,350
TOTAL OTHER DIRECT COSTS						0		
H. TOTAL DIRECT COSTS (A THROUGH G)				518,602		0		518,602
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)								
Salary and Fringe (Rate: 30.7000, Base: 294834)								00.5:
TOTAL INDIRECT COSTS (F&A)				90,514		0		90,514
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)				609,116		0	1	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 \$ 0 AG	REED LE	VEL I <u>F I</u>	DIFFEREN					
PI/PD NAME		L		FOR NSF	USE O	NLY		
Frederick T Boyd			IN	IDIRECT COST R	ATE VE			
ORG. REP. NAME*		D	ate Checked	Date Of Rate She	eet	In	tials - 0	ORG
Bauer, Mark								

3

HRD YEAR 4

ORGANIZATION	AL DU	DOL	•			DURA		l (months)
Dine College					PROPOSAL NO. DURATION (mon-			
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR				AWARD	AWARD NO.			
				AWARD	NO.			
Frederick T Boyd  A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates		NSF Funderson-mor	ed	Funds	Non-	ederal	Т	Total
(List each separately with title, A.7. show number in brackets)				Requested From NSF	Mat	ching inds		Project Cost
,	CAL	ACAD	SUM		_		_	
1. Frederick T Boyd - Pl	0.00	0.6			\$		\$	5,008
2. Donald K Robinson - Co-PI	0.00	0.6	0.00	5,149		0		5,149
3.								
4.							-	
5.								
6. ( <b>0</b> ) Others (List individually on Budget Justification Page)	0.00	0.0				0		0
7. ( 2) TOTAL SENIOR PERSONNEL (1 - 6)	0.00	1.3	0.00	<b>10,157</b>		0		10,157
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)								
1. ( <b>0</b> ) POST DOCTORAL SCHOLARS	0.00	0.0	0.00			0		0
2. ( <b>3</b> ) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)	36.00	0.0	0.00	165,932		0		165,932
3. ( <b>0</b> ) GRADUATE STUDENTS				0		0		0
4. ( <b>0</b> ) UNDERGRADUATE STUDENTS				0		0		0
5. ( 1) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)				7,538		0		7,538
6. ( <b>10</b> ) 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		Ō		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	EXCEEDI	NG \$5 C	100 )	017,070				טדט,דוט
B. Eggi WENT (EIGHTEWAND DOLLAN AMOONT FOR EAGITHEM	LXOLLDI	140 φο,α	,00.)					
				0				
TOTAL EQUIPMENT						0		0
E. TRAVEL 1. DOMESTIC (INCL. U.S. POSSESSIONS)						0		75,699
2. INTERNATIONAL				0		0		0
F. PARTICIPANT SUPPORT COSTS								
1. STIPENDS \$ 7,754								
2. TRAVEL								
3. SUBSISTENCE — 0								
4. OTHER								
( 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		Ö		10,000
4. COMPUTER SERVICES				5,384		0	1	5,384
5. SUBAWARDS				0,364		0	_	<u>5,364</u> 0
6. OTHER							+	
				145,688		0		<u>0</u> 145,688
TOTAL OTHER DIRECT COSTS						0		
H. TOTAL DIRECT COSTS (A THROUGH G)				543,481		0		543,481
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)								
Salary and Fringe (Rate: 30.7000, Base: 314340)						_		00.555
TOTAL INDIRECT COSTS (F&A)						0	-	96,502
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)						0		639,983
K. FEE				0	1	0		0
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)				\$ 639,983	\$	0	\$	639,983
M. COST SHARING PROPOSED LEVEL \$ 0 AG	REED LE	VEL I <u>F C</u>	DIFFEREN					
PI/PD NAME				FOR NSF	USE O	NLY		
Frederick T Boyd			IN	IDIRECT COST R	ATE VE			
ORG. REP. NAME*		Da	ate Checked	Date Of Rate She	eet	In	itials - (	ORG
Bauer, Mark								

TROI GOAL BODGET						_		
ORGANIZATION					PROPOSAL NO. DURATION (mor			
Dine College						Propo	sed	Granted
PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR				AWARD	AWARD NO.			
Frederick T Boyd								
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates	ed iths	Funds	Non-F	ederal		Total		
(List each separately with title, A.7. show number in brackets)	CAL	ACAD	SUM	Requested Matching From NSF Funds				Project Cost
1. Frederick T Boyd - PI	0.00	0.68	0.00	\$ 5,133	\$	n	\$	5,133
2. Donald K Robinson - Co-Pl	0.00	0.68			Ψ	0	Ť	5,278
3.	0.00	0.00	0.00	3,210				0,210
4.								
5.				_				
6. ( <b>0</b> ) Others (List individually on Budget Justification Page)	0.00	0.00				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. ( <b>0</b> ) POST DOCTORAL SCHOLARS	0.00	0.00	0.00	0		0		0
2. ( 5) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.)	36.00	0.00		161,180		0		161,180
3. ( <b>0</b> ) GRADUATE STUDENTS				0		0		0
4. ( 1) UNDERGRADUATE STUDENTS				0		0		0
5. ( 1) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY)				7,727		0		7,727
6. ( <b>10</b> ) 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	EXCEEDI	NG \$5,0	00.)					
TOTAL EQUIPMENT						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 \$ 7,948								
2. TRAVEL								
3. SUBSISTENCE								
4. OTHER								
( 2) TOTAL PARTICIPANT COSTS				7.948		0		7 040
				7,940		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
						0		
H. TOTAL DIRECT COSTS (A THROUGH G)						U		528,155
I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE)								
Salary and Fringe (Rate: 30.7000, Base: 310739)				95,397				
TOTAL INDIRECT COSTS (F&A)						0		95,397
J. TOTAL DIRECT AND INDIRECT COSTS (H + I)						0		623,552
K. FEE						0		0
L. AMOUNT OF THIS REQUEST (J) OR (J MINUS K)	\$ 623,552	\$	0	\$	623,552			
M. COST SHARING PROPOSED LEVEL \$ 0 AG								
PI/PD NAME	FOR NSF	USE ON	ILY					
				DIRECT COST R			TION	
ORG. REP. NAME*  Date Checked					eet		tials - (	
Bauer, Mark		آ ا					- '	
Daudi, Iliaik		*EL ECT	ONIC SICE	IATURES REQUIS	DED TOT	DEVIO	ED D	UDCET
	5	CLEUIT	へいいし ひばん	IATURES REQUIF	ィピカ レクト	KEVIS	こりR	JUGEI

**HRD** Cumulative PROPOSAL BUDGET FOR NSF USE ONLY **ORGANIZATION** PROPOSAL NO. **DURATION** (months) Dine College Proposed Granted AWARD NO. PRINCIPAL INVESTIGATOR / PROJECT DIRECTOR Frederick T Boyd NSF Funded Person-month Non-Federal Matching Funds Total Project Cost A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates Funds Requested From NSF (List each separately with title, A.7. show number in brackets) CAL ACAD SUM 1. Frederick T Boyd - PI 0.00 \$ 24,443 \$ 0 \$ 24,443 0.00 3.40 2. Donald K Robinson - Co-PI 0.00 0.00 25,132 0 25,132 3.40 4. 5. (I) OTHERS (LIST INDIVIDUALLY ON BUDGET JUSTIFICATION PAGE) 0 0 6. ( 0.00 0.00 0.00 0 2) TOTAL SENIOR PERSONNEL (1 - 6) 49,575 0 0.00 6.80 0.00 49,575 B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS) 0 0) POST DOCTORAL SCHOLARS 0.00 0.00 0.00 0 0 2. ( 16) OTHER PROFESSIONALS (TECHNICIAN, PROGRAMMER, ETC.) 677,395 0 677,395 0.00 144.00 0.00 (I) GRADUATE STUDENTS 0 0 0 0 4. ( 0) UNDERGRADUATE STUDENTS 0 0 5. ( 5) SECRETARIAL - CLERICAL (IF CHARGED DIRECTLY) 0 36,794 36,794 0 6. ( 50) OTHER 299,555 299,555 0 TOTAL SALARIES AND WAGES (A + B) 1,063,319 1,063,319 C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS) 0 306,131 306,131 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 37,847 1. STIPENDS 0 2. TRAVEL 0 3 SUBSISTENCE 0 4. OTHER ( 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 0 47,307 47,307 3. CONSULTANT SERVICES 0 50,000 50,000 4. COMPUTER SERVICES 26,281 0 26,281 5. SUBAWARDS 0 0 0 6. OTHER 0 0 0 TOTAL OTHER DIRECT COSTS 0 695,128 695,128 0 H. TOTAL DIRECT COSTS (A THROUGH G) 3,003,913 3,003,913 I. INDIRECT COSTS (F&A)(SPECIFY RATE AND BASE) 420,421 0 420,421 TOTAL INDIRECT COSTS (F&A) 0 J. TOTAL DIRECT AND INDIRECT COSTS (H + I) 3,424,334 3,424,334 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 FOR NSF USE ONLY

Frederick T Boyd

ORG. REP. NAME\*

Bauer, Mark