### ARTHUR ANDERSEN LLP



### MICHIGAN TECHNOLOGICAL UNIVERSITY

FINANCIAL STATEMENTS AND A-133 REPORTS
AS OF AND FOR THE YEAR ENDED JUNE 30, 1995

### ARTHUR ANDERSEN LLP



### MICHIGAN TECHNOLOGICAL UNIVERSITY

FINANCIAL STATEMENTS AND SUPPLEMENTARY INFORMATION
AS OF JUNE 30, 1995 AND 1994

TOGETHER WITH AUDITORS' REPORT



### MICHIGAN TECHNOLOGICAL UNIVERSITY

## FINANCIAL STATEMENTS AND SUPPLEMENTARY INFORMATION

As of June 30, 1995 and 1994

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# MICHIGAN TECHNOLOGICAL UNIVERSITY FINANCIAL STATEMENTS AND SUPPLEMENTARY INFORMATION

As of June 30, 1995 and 1994

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### ARTHUR ANDERSEN LLP

### INDEPENDENT AUDITORS' REPORT ON FINANCIAL STATEMENTS

To the Board of Control, Michigan Technological University:

We have audited the accompanying combined statements of financial condition of MICHIGAN TECHNOLOGICAL UNIVERSITY (the "University") as of June 30, 1995 and 1994, and the related combined statements of revenues, expenditures and changes in fund balances for the years then ended. We have also audited the statements of financial condition for each fund as of June 30, 1995 and 1994, and the related statements of changes in fund balances and the current funds revenues, expenditures, transfers and changes in fund balances for the years then ended. These financial statements and the supplementary information referred to below are the responsibility of the University's management. Our responsibility is to express an opinion on these financial statements and supplementary information based on our audits.

We conducted our audits in accordance with generally accepted auditing standards and the standards for financial audits contained in <u>Government Auditing Standards</u> (1994 Revision), issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the combined and individual funds' financial position of Michigan Technological University as of June 30, 1995 and 1994, and the revenues, expenditures, transfers and changes in fund balances for the years then ended in conformity with generally accepted accounting principles.

Our audits were made for the purpose of forming an opinion on the basic financial statements taken as a whole. The supplementary information contained in Exhibits I, II, III, IV and V are presented for purposes of additional analysis and are not a required part of the basic financial statements. This information has been subjected to the auditing procedures applied in our audits of the basic financial statements and, in our opinion, is fairly stated in all material respects in relation to the basic financial statements taken as a whole.

In accordance with Government Auditing Standards, we have also issued a report on our consideration of the University's internal control structure and a report on its compliance with laws and regulations, both dated September 22, 1995.

athur audusen LLP

Detroit, Michigan, September 22, 1995.

### MICHIGAN TECHNOLOGICAL UNIVERSITY

### **COMBINED STATEMENTS OF FINANCIAL CONDITION**

### June 30, 1995 and 1994

ASSETS	1995	1994	LIABILITIES AND FUND BALANCES	1995	1994
CURRENT ASSETS:			CURRENT LIABILITIES:		
Cash and cash equivalents	\$14,114,000	\$14,654,000	Current portion of notes, bonds and		
Short term investments	9,796,000	8,163,000	capital lease obligations payable	\$285,000	\$251,000
Accounts receivable, net	6,613,000	7,191,000	Accounts payable	1,982,000	2,157,000
Inventories	1,909,000	1,751,000	Accrued payroll and payroll taxes	3,783,000	3,813,000
Deposits	70,000	70,000	Unearned revenue	4,129,000	3,737,000
Prepaid expenses	693,000	644,000	Deposits	1,123,000	1,228,000
	•		Current portion of accrued health	1,120,000	1,221,111
			and liability claims	2,574,000	3,026,000
			Accrued compensated absences	2,078,000	1,922,000
	33,195,000	32,473,000	·	15,954,000	16,134,099
			ACCRUED HEALTH AND LIABILITY CLAIMS	6,712,000	5,603,000
STUDENT LOANS RECEIVABLE, net	7,761,000	7,204,000	NOTES, BONDS AND CAPITAL LEASE OBLIGATIONS PAYABLE	3,070,000	3,355,000
			CONTINGENCIES		
			TOTAL LIABILITIES	25,736,000	25,092,000
			TOTAL LIABILITIES	23,730,000	25,092,000
INVESTMENTS	1,529,000	1,446,000	FUND BALANCES:		
NA CONTRACTO	1,020,000	1, 140,000	Unrestricted	18,582,000	19,338,000
			Restricted	9,771,000	9,167,000
			Investment in physical properties	101,157,000	104,707,000
			Deficit to be funded in subsequent periods	(8,249,000)	(8,868,000)
PROPERTY, PLANT AND EQUIPMENT, ne	t 104,512,000	108,313,000	Tomat to be talled in our bound on portous	121,261,000	124,344,000
	-		TOTAL LIABILITIES AND FUND	,201,000	
TOTAL ASSETS	\$146,997,000	\$149,436,000	BALANCES	\$146,997,000	\$149,436,000

### MICHIGAN TECHNOLOGICAL UNIVERSITY COMBINED STATEMENTS OF REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCES FOR THE YEARS ENDED JUNE 30, 1995 AND 1994

	1995	1994
REVENUES:		
Tuition and fees	\$28,652,000	\$27,885,000
State appropriations	41,868,000	40,860,000
Federal grants and contracts	12,160,000	11,257,000
Joint capital outlay	844,000	•
Private gifts, grants and contracts	10,818,000	8,136,000
Indirect cost recoveries	4,372,000	4,354,000
Endowment income	61,000	81,000
Other investment income	1,346,000	527,000
Educational activities	5,339,000	4,792,000
Auxiliary activities	16,614,000	16,630,000
Other	98,000	303,000
Decrease in restricted revenues		
held for future expenditures	179,000	2,104,000
·	122,351,000	116,929,000
EXPENDITURES:	***************************************	
Educational and general-		
Instruction	39,323,000	36,306,000
Research	21,636,000	20,202,000
Public service	770,000	779,000
Academic support	6,947,000	6,211,000
Student services	3,735,000	3,522,000
Institutional support	8,924,000	7,120,000
Student financial support	13,419,000	13,497,000
Operation and maintenance of plant	6,486,000	6,373,000
Auxiliary activities	16,957,000	16,214,000
Other	1,751,000	1,707,000
Interest expense	142,000	173,000
Depreciation allowance	8,957,000	8,367,000
Capital additions, net of retirements	(3,792,000)	(3,929,000)
	125,255,000	116,542,000
REVENUES OVER (UNDER) EXPENDITURES		
BEFORE EXTRAORDINARY ITEM	(2,904,000)	387,000
EXTRAORDINARY LOSS ON EARLY	(-,,,	•
EXTINGUISHMENT OF DEBT	-	(383,000)
REVENUES OVER (UNDER) EXPENDITURES	(2,904,000)	4,000
MEATINGTO CATILITY THE THE TIME	(=,000)	.,
DECREASE IN RESTRICTED REVENUES		
HELD FOR FUTURE EXPENDITURES	(179,000)	(2,104,000)
FUND BALANCES, Beginning of year	124,344,000	126,444,000
FUND BALANCES, End of year	\$121,261,000	\$124,344,000
I OILD DALAITOLO, LIIU OI Joui	T 1, 1,	7.2.,3.1,000

# MICHIGAN TECHNOLOGICAL UNIVERSITY GENERAL FUND STATEMENTS OF FINANCIAL CONDITION JUNE 30, 1995 and 1994

es.	1995	1994
ASSETS:		
Cash and cash equivalents Accounts receivable, less allowance	\$1,429,000	\$1,456,000
of \$31,000 and \$30,000 in 1995 and 1994	469,000	548,000
Inventories	75,000	75,000
Prepaid expenses	343,000	242,000
Total assets	2,316,000	2,321,000
LIABILITIES:	007.000	000 000
Accounts payable	697,000	999,000
Accrued payroll and payroll taxes	2,427,000	2,973,000 1,739,000
Unearned revenue	1,977,000 646,000	718,000
Deposits Total liabilities	5,747,000	6,429,000
Total liabilities	3,747,000	
FUND DEFICIT	(\$3,431,000)	(\$4,108,000)
ANALYSIS OF FUND DEFICIT:		X
Reserve for encumbrances	\$361,000	\$811,000
Departmental funds carried forward	4,457,000	3,949,000
Deficit to be funded in subsequent years	(8,249,000)	(8,868,000)
Total fund deficit	(\$3,431,000)	(\$4,108,000)

# MICHIGAN TECHNOLOGICAL UNIVERSITY GENERAL FUND STATEMENTS OF CHANGES IN FUND BALANCE FOR THE YEARS ENDED JUNE 30, 1995 AND 1994

	1995	1994
BALANCE AT BEGINNING OF YEAR	(\$4,108,000)	(\$4,987,000)
Revenues over expenditures and transfers	677,000	879,000
BALANCE AT END OF YEAR	(\$3,431,000)	(\$4,108,000)

# MICHIGAN TECHNOLOGICAL UNIVERSITY DESIGNATED FUND STATEMENTS OF FINANCIAL CONDITION JUNE 30, 1995 and 1994

	1995	1994
ASSETS: Cash and cash equivalents Accounts receivable, less allowance of \$1,000 in 1995 and 1994 Prepaid expenses Total assets	\$2,342,000 15,000 304,000 2,661,000	\$1,748,000 79,000 307,000 2,134,000
LIABILITIES: Accounts payable Accrued payroll and payroll taxes Unearned revenue Deposits Total liabilities	59,000 88,000 741,000 - 888,000	104,000 67,000 699,000 1,000 871,000
FUND BALANCE	<u>\$1,773,000</u>	\$1,263,000

# MICHIGAN TECHNOLOGICAL UNIVERSITY DESIGNATED FUND STATEMENTS OF CHANGES IN FUND BALANCE FOR THE YEARS ENDED JUNE 30, 1995 AND 1994

	<u>1995</u>	1994
BALANCE AT BEGINNING OF YEAR	\$1,263,000	\$338,000
Revenues over expenditures and transfers	510,000	925,000
	*	
BALANCE AT END OF YEAR	\$1,773,000	\$1,263,000
	<del> </del>	

### MICHIGAN TECHNOLOGICAL UNIVERSITY AUXILIARY ACTIVITIES FUND STATEMENTS OF FINANCIAL CONDITION JUNE 30, 1995 and 1994

	1995	1994
ASSETS:		
Cash and cash equivalents	\$1,282,000	\$2,631,000
Accounts receivable, less allowance of \$1,500 in 1995 and 1994	406,000	493,000
Inventories	1,834,000	1,676,000
Prepaid expenses	31,000	80,000
Due from other funds	1,836,000	2,206,000
Total assets	5,389,000	7,086,000
LIABILITIES: Accounts payable Accrued payroll and payroll taxes Unearned revenue Deposits Total liabilities	524,000 256,000 3,000 222,000 1,005,000	381,000 278,000 5,000 224,000 888,000
FUND BALANCE	\$4,384,000	\$6,198,000

# MICHIGAN TECHNOLOGICAL UNIVERSITY AUXILIARY ACTIVITIES FUND STATEMENTS OF CHANGES IN FUND BALANCE FOR THE YEARS ENDED JUNE 30, 1995 AND 1994

	1995	1994	
BALANCE AT BEGINNING OF YEAR	\$6,198,000	\$5,525,000	
Revenues over (under) expenditures and transfers	er) expenditures and transfers (1,814,000)	ures and transfers (1,814,000)	
		*	
BALANCE AT END OF YEAR	\$4,384,000	\$6,198,000	

### MICHIGAN TECHNOLOGICAL UNIVERSITY RETIREMENT AND INSURANCE FUND STATEMENTS OF FINANCIAL CONDITION JUNE 30, 1995 and 1994

	1995	1994	
ASSETS:			
Cash and cash equivalents	\$1,881,000	\$2,313,000	
Short term investments	9,796,000	8,163,000	
Accounts receivable	20,000	19,000	
Deposits	70,000	70,000	
Total assets	11,767,000	10,565,000	
LIABILITIES:			
Accounts payable	1,000	14,000	
Accrued payroll taxes	402,000	-	
Current portion of accrued health			
and liability claims	2,574,000	3,026,000	
Accrued compensated absences	2,078,000	1,922,000	
Accrued health and liability claims	6,712,000	5,603,000	
Total liabilities	11,767,000	10,565,000	
FUND BALANCE	\$ -		

### MICHIGAN TECHNOLOGICAL UNIVERSITY RETIREMENT AND INSURANCE FUND STATEMENTS OF CHANGES IN FUND BALANCE FOR THE YEARS ENDED JUNE 30, 1995 AND 1994

•	1995		1994	
BALANCE AT BEGINNING OF YEAR	\$	-	\$	
Deposits from operating funds Transfer to operating funds (Increase)/decrease in accrued liabilities Benefit payments and self-insured losses,net	(2,35 (1,20	36,000 33,000) 92,000) 31,000)	(2,62 1,05	45,000 23,000) 51,000 73,000)
BALANCE AT END OF YEAR	\$		\$	

### MICHIGAN TECHNOLOGICAL UNIVERSITY EXPENDABLE RESTRICTED FUND STATEMENTS OF FINANCIAL CONDITION JUNE 30, 1995 and 1994

	1995	1994
ASSETS: Accounts receivable, less allowance of \$176,000 in 1995 and 1994 Total assets	\$5,459,000 5,459,000	\$5,795,000 5,795,000
LIABILITIES: Accounts payable Accrued payroll and payroll taxes Unearned revenue Due to other funds Total liabilities	395,000 594,000 1,408,000 1,836,000 4,233,000	417,000 473,000 1,294,000 2,206,000 4,390,000
FUND BALANCE	\$1,226,000	\$1,405,000

## MICHIGAN TECHNOLOGICAL UNIVERSITY EXPENDABLE RESTRICTED FUND STATEMENTS OF CHANGES IN FUND BALANCE FOR THE YEARS ENDED JUNE 30, 1995 AND 1994

	1995	1994
BALANCE AT BEGINNING OF YEAR	\$1,405,000	\$3,509,000
Decrease in restricted revenues held for future expenditures	(179,000)	(2,104,000)
BALANCE AT END OF YEAR	\$1,226,000	\$1,405,000

#### MICHIGAN TECHNOLOGICAL UNIVERSITY

### STATEMENTS OF CURRENT FUNDS REVENUES, EXPENDITURES, TRANSFERS

### AND CHANGES IN FUND BALANCES

### Year Ended June 30, 1995

Aest Fuded True 20' Jaaz				Year Ended				
	GENERAL FUND	DESIGNATED FUND	AUXILIARY ACTIVITIES FUND	RETIREMENT & INSURANCE FUND	Sub-Total	EXPENDABLE RESTRICTED FUND	Total Current Funds	June 30, 1994 Total Current Funds
REVENUES:		TOND						
Tuition and fees	\$28,329,000	\$31,000	\$292,000	\$ -	\$28,652,000	\$ -	\$28,652,000	\$27,885,000
State appropriations	40,708,000		•	2.5	40,708,000	1,160,000	41,868,000	40,860,000
Federal grants and contracts	108,000	51,000			159,000	11,544,000	11,703,000	10,249,000
Private gifts, grants and contracts	230,000	1,098,000	71,000		1,399,000	8,638,000	10,037,000	7,886,000
Indirect cost recoveries	4,372,000	340		9₩6	4,372,000		4,372,000	4,354,000
Other investment income	(619,000)	118,000	592,000	869,000	960,000	(110,000)	850,000	322,000
Educational activities	2,608,000	1,750,000	840,000	26,000	5,224,000	115,000	5,339,000	4,792,000
Auxiliary activities	2,000,000	1,100,000	16,614,000		16,614,000	,	16,614,000	16,630,000
Other	± 1	9,000	-		9,000	1 <del>-</del> 2	9,000	310,000
Decrease in restricted revenues		0,000			11			
						470 000	470 000	2 404 000
held for future expenditures	75 700 005		-40.400.000			179,000	179,000	2,104,000
Total revenues	75,736,000	3,057,000	18,409,000	895,000	98,097,000	21,526,000	119,623,000	115,392,000
EXPENDITURES AND MANDATORY								
TRANSFERS:								
Educational and general expenditures-		4 570 000			00 400 000	000.000	00 000 000	00 000 000
Instruction	36,887,000	1,573,000	9.77	,- <u></u>	38,460,000	863,000	39,323,000	36,306,000
Research	1,954,000	744,000	•	•	2,698,000	18,938,000	21,636,000	20,202,000
Public service	237,000	492,000		•	729,000	41,000	770,000	779,000
Academic support	6,906,000	38,000	33 <del>4</del> 8	-	6,944,000	3,000	6,947,000	6,211,000
Student services	3,553,000	27,000	× **		3,580,000	155,000	3,735,000	3,522,000
Institutional support	9,847,000	532,000	10.00	(1,458,000)	8,921,000	3,000	8,924,000	7,120,000
Student financial support	8,106,000	11 (14)	F#	•	8,106,000	5,313,000	13,419,000	13,497,000
Operation and maintenance of plant	6,484,000	2,000	U.T.A.		6,486,000		6,486,000	6,373,000
Educational and general expenditures	73,974,000	3,408,000	-	(1,458,000)	75,924,000	25,316,000	101,240,000	94,010,000
Mandatory transfers -				Uraniya Masi				
Research	1,754,000	12,000	(1 <del></del>	2,000	1,768,000	(1,768,000)	10.00	*
Institutional support	17,000	121	-	-	17,000	(17,000)		2
Student financial support	870,000	2900		. <del></del>	870,000	(737,000)	133,000	70,000
Debt service	32,000	5 <b>.</b> €%	-	-	32,000	5₩8	32,000	252,000
Other	92,000	1,000		(33,000)	60,000	(60,000)		
Total educational and general	76,739,000	3,421,000	<u> </u>	(1,489,000)	78,671,000	22,734,000	101,405,000	94,332,000
Auxiliary activities -								
Expenditures	2	-	16,957,000	8 <b>-1</b> 8	16,957,000	-	16,957,000	16,214,000
Mandatory transfers -							4	
Debt service	•	-	297,000	-	297,000	-	297,000	225,000
Other		•		-	•		•	109,000
Total Auxiliary activities		<del></del>	17,254,000	·	17,254,000		17,254,000	16,548,000
Total expenditures and mandatory			47 054 000	**********			440.050.000	448 600 000
transfers	76,739,000	3,421,000	17,254,000	(1,489,000)	95,925,000	22,734,000	118,659,000	110,880,000

### MICHIGAN TECHNOLOGICAL UNIVERSITY

### STATEMENTS OF CURRENT FUNDS REVENUES, EXPENDITURES, TRANSFERS

### AND CHANGES IN FUND BALANCES (continued)

### Year Ended June 30, 1995

								Year Ended
*	GENERAL FUND	DESIGNATED FUND	AUXILIARY ACTIVITIES FUND	RETIREMENT & INSURANCE FUND	Sub-Total	EXPENDABLE RESTRICTED FUND	Total Current Funds	June 30, 199 Total Current Fund
Other transfers:		3						
Research	847,000	(591,000)	•	•	256,000	(256,000)	-	_
Student financial support	734,000		•	•	734,000	(734,000)	-	-
Plant improvement	742,000	14,000	464,000	-	1,220,000	19,000	1,239,000	3,286,000
Other	(4,003,000)	(297,000)	2,505,000	2,384,000	589,000	(237,000)	352,000	(1,251,000)
	75,059,000	2,547,000	20,223,000	895,000	98,724,000	21,526,000	120,250,000	112,915,000
DEVENUES OVED (LINDED) SYDENDI	runce							
REVENUES OVER (UNDER) EXPENDITATION AND TRANSFERS	677,000	510,000	(1,814,000)	-	(627,000)	*	(627,000)	2,477,000
DECREASE IN RESTRICTED REVENU HELD FOR FUTURE EXPENDITURES		-	-		-	(179,000)	(179,000)	(2,104,000)
								5005
FUND BALANCES (DEFICIT), Beginning of year	(4,108,000)	1,263,000	6,198,000	E .	3,353,000	1,405,000	4,758,000	4,385,000
FUND BALANCES (DEFICIT), End of year	(\$3,431,000)	\$1,773,000	\$4,384,000	\$ -	\$2,726,000	\$1,226,000	\$3,952,000	\$4,758,000

### MICHIGAN TECHNOLOGICAL UNIVERSITY STUDENT LOAN FUND STATEMENTS OF FINANCIAL CONDITION JUNE 30, 1995 and 1994

			1995	1994
ASSETS:			1286	4000 000
Cash and cash equivalents			\$710,000	\$669,000
Student loans receivable, less allow	/ance			7 004 000
of \$175,000 in 1995 and 1994			7,761,000	7,204,000
Total assets			\$8,471,000	\$7,873,000
FUND BALANCE:				
University student loan funds-				
Restricted			\$1,115,000	\$1,081,000
Unrestricted			88,000	88,000
Federal student loan funds-			80,000	00,000
Federal portion			6,938,000	6,374,000
University portion			330,000	330,000
Total fund balance			\$8,471,000	\$7,873,000
rotal fullu balance			\$6,471,000	\$7,070,000
STATEMENTS OF CHANGES	S IN ELIND BALA	MOE	Article State	
OTATEMENTO OF OTANGE	S IN POND BALA	ANGE	and the second	
	Year End	ded June 30, 1995		Year Ended
	University	Federal		June 30,
	Student	Student		1994
	Loan Funds	Loan Funds	Total	Total
		19	Sand of the Section 1	
BALANCE AT BEGINNING OF YEAR	\$1,169,000	\$6,704,000	\$7,873,000	\$7,331,000
ADDITIONS (DEDUCTIONS):				.33
Federal government contribution	_	299,000	299,000	310,000
Gifts and other grants	1,000	299,000	1,000	0.10,000
Transfer from General Fund	1,000	123,000	123,000	70,000
Investment Income	23,000	7,000	30,000	13,000
Student loan interest	15,000	131,000	146,000	152,000
Late fees	10,000	5,000	5,000	5,000
Cancellations for teaching, military	-	5,500		0,000
and bankruptcy	(5,000)	(2,000)	(7,000)	(8,000)
Administrative and other costs	(0,000)	1,000	1,000	(0,000)
Tarimion and and only of other		.,000		
BALANCE AT END OF YEAR	\$1,203,000	\$7,268,000	\$8,471,000	\$7,873,000

### MICHIGAN TECHNOLOGICAL UNIVERSITY ENDOWMENT FUND STATEMENTS OF FINANCIAL CONDITION JUNE 30, 1995 and 1994

			1995	1994
ASSETS: Cash and cash equivalents Investments Total assets			(\$4,000) 1,529,000 \$1,525,000	\$3,000 1,446,000 \$1,449,000
FUND BALANCE: Endowment funds Funds functioning as endowment Total fund balance			\$446,000 1,079,000 \$1,525,000	\$446,000 1,003,000 \$1,449,000
gt			20	
STATEMENTS OF CHANGE	S IN FUND B	ALANCE		
	Year Endowment Funds	led June 30, 1995 Funds Functioning As Endowment	Total	Year Ended June 30, 1994 Total
BALANCE AT BEGINNING OF YEAR	\$446,000	\$1,003,000	\$1,449,000	\$1,467,000
ADDITIONS (DEDUCTIONS): Investment income Distribution to beneficiaries Net gain (loss) from sale of investments	22,000 (22,000)	39,000 (46,000) 83,000	61,000 (68,000) 83,000	81,000 (81,000) (18,000)
BALANCE AT END OF YEAR	\$446,000	\$1,079,000	\$1,525,000	\$1,449,000

## MICHIGAN TECHNOLOGICAL UNIVERSITY PLANT FUND STATEMENTS OF FINANCIAL CONDITION

	June 30, 1995					
	Unexpended	Renewal and Replacement	Retirement of Indebtedness	Investment in Plant	<u>zesz</u> ∌Total <u>z</u> .⊶	June 30, 1994 Total
ASSETS:						
Cash and cash equivalents	\$2,336,000	\$2,613,000	\$1,494,000	\$ -	\$6,443,000	\$5,651,000
Accounts receivable	-	-	•	-	•	123,000
Prepaid expenses		15,000	•	-	15,000	15,000
Investment in plant-		.0,000				
Land and land improvements	•	•	·-	14,887,000	14,887,000	14,877,000
Buildings		•	-	127,837,000	127,837,000	127,224,000
Deferred financing costs	•	-	-	170,000	170,000	170,000
Equipment and other	-	-	•	71,360,000	71,360,000	68,107,000
Construction in progress	-	-	•	510,000	510,000	372,000
Less- accumulated depreciation		<u> </u>	53-15	(110,252,000)	(110,252,000)	(102,437,000)
Total assets	2,336,000	2,628,000	1,494,000	104,512,000	110,970,000	114,102,000
					11-11-14-14-1	
LIABILITIES:						
Current portion of notes, bonds and					225 002	054 000
capital lease obligations payable	:(•)	-	•	285,000	285,000	251,000
Accounts payable	21,000	281,000	•	-	302,000	232,000
Notes, bonds and capital lease					A MAN ANA	3,355,000
obligations payable				3,070,000	3,070,000	3,838,000
Total liabilities	21,000	281,000	-	3,355,000	3,657,000	3,030,000
				A464 457 666	8457 045 000	\$110,264,000
FUND BALANCE	\$2,315,000	\$2,347,000	\$1,494,000	\$101,157,000	\$107,313,000	\$110,204,000
ANALYSIS OF FUND BALANCE:	mad		1	#404 4F7 000	\$101,157,000	\$104,707,000
Investment in physical properties	\$ -	\$ -	\$ -	\$101,157,000	162,000	(23,000)
Restricted	162,000				5,994,000	5,580,000
Designated	2,153,000	2,347,000	1,494,000	¢101 157 000	\$107,313,000	\$110,264,000
Total fund balance	\$2,315,000	\$2,347,000	\$1,494,000	\$101,157,000	\$107,010,000	Ψ110,204,000

MICHIGAN TECHNOLOGICAL UNIVERSITY PLANT FUND STATEMENTS OF CHANGES IN NOTES, BONDS, CAPITAL LEASE OBLIGATIONS

Year Ended June 30, 1995

STATEMENTS OF CHANGES IN NOTES,		TCar Endod dan	3 00, 1000			Year Ended
BONDS, CAPITAL LEASE OBLIGATIONS PAYABLE AND FUND BALANCE	Unexpended	Renewal and Replacement	Retirement of Indebtedness	Investment in Plant	Total	June 30, 1994 Total
NOTES, BONDS AND CAPITAL LEASE			*			
OBLIGATIONS PAYABLE:						44 54 444
Balance outstanding at beginning of year	\$ -	\$ -	\$ -	\$3,606,000	\$3,606,000	\$3,561,000
Proceeds from borrowing		-	-		-	3,585,000
Payments on notes, bonds and capital leases	) <del>-</del>			(251,000)	(251,000)	(3,540,000)
Balance at end of year	\$ -	\$ -	\$ -	\$3,355,000	\$3,355,000	\$3,606,000
FUND BALANCE:						
Balance at beginning of year	\$1,880,000	\$2,204,000	\$1,473,000	\$104,707,000	\$110,264,000	\$113,261,000
Additions (Deductions)-						
Joint capital outlay	844,000	-		-	844,000	-
Federal grants	152,000	6,000		-	158,000	698,000
Gifts and other grants	495,000	40,000	:=:	245,000	780,000	250,000
Investment income	2,000	386,000	-	-	388,000	121,000
Other income		1,000	-	-	1,000	6,000
Transfers from (to) other funds-						
General fund	500,000	604,000	32,000	-	1,136,000	2,267,000
Designated fund	-	14,000	-	-	14,000	-
Auxiliary activities fund	-	464,000	297,000	-	761,000	354,000
Expendable restricted fund	-	19,000	-	-	19,000	-
Other	(768,000)	683,000	85,000	-	-	•
Expenditures from operating funds for equip	•	-	-	3,743,000	3,743,000	3,652,000
Expenditures not capitalized	(141,000)	(1,605,000)	-	-	(1,746,000)	(1,750,000)
Expenditures for capital additions	(649,000)	(469,000)	-	1,118,000		-
Interest expense	•	•	(142,000)	-	(142,000)	(173,000)
Payments on notes, bonds and capital lease	(=)	:•:	(251,000)	251,000	-	
Plant assets sold or retired, net		(=:	•	49,000	49,000	277,000
Depreciation allowance	•	3 <del>4</del> 3	-	(8,957,000)	(8,957,000)	(8,367,000)
Other		74	-	1,000	1,000	51,000
Extraordinary loss on extinguishment of deb	t -		-	-	, <u>-</u> _	(383,000)
Balance at end of year	\$2,315,000	\$2,347,000	\$1,494,000	\$101,157,000	\$107,313,000	\$110,264,000
Dalation at olid of your						

# MICHIGAN TECHNOLOGICAL UNIVERSITY AGENCY FUND STATEMENTS OF FINANCIAL CONDITION JUNE 30, 1995 and 1994

	1995	1994
ASSETS: Cash and cash equivalents	\$31,000	\$183,000
Accounts receivable	244,000	134,000
Total assets	\$275,000	\$317,000
8		
LIABILITIES:		
Accounts payable	\$4,000	\$10,000
Accrued payroll and payroll taxes	16,000	22,000
Deposits	255,000	285,000
Total liabilities	\$275,000	\$317,000

## MICHIGAN TECHNOLOGICAL UNIVERSITY NOTES TO THE FINANCIAL STATEMENTS

## (1) BASIS OF PRESENTATION AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

### **Basis of Presentation**

The financial statements have been prepared in all material respects in accordance with accounting principles outlined in the Manual for Uniform Reporting - State of Michigan Colleges and Universities, as revised, and the American Institute of Certified Public Accountants' guide, Audits of Colleges and Universities.

### **Fund Classifications**

The current funds consist of the General, Designated (use restricted by University policy), Auxiliary Activities, Retirement and Insurance (used to account for employee benefits and risk financing activities) and Expendable Restricted Fund (use restricted by donor or supporting agency). These funds are used to account for transactions related to instructional and academic programs (including restricted purpose contracts and grants, research, extension and departmental programs) and the auxiliary activities which provide services to the student body, faculty, staff, and public. The accompanying statements of current funds revenues, expenditures, transfers and changes in fund balances are statements of financial activities of the current funds and do not purport to present the results of operations or the net income or loss for the period.

The other funds and their functions are described as follows: (1) the Student Loan Fund is used to account for transactions related to loans to students, (2) the Endowment Fund is used to account for gifts which allow only the income thereon to be expended and includes similar funds under Board control, (3) the Plant Fund contains the transactions relating to investment in physical properties, indebtedness incurred in the financing thereof and reserves for maintenance and replacement and (4) the Agency Fund is used to account for amounts withheld from payrolls, employer portions of payroll taxes and various employee benefits and amounts held in custody for students, University-related organizations or others.

## MICHIGAN TECHNOLOGICAL UNIVERSITY NOTES TO THE FINANCIAL STATEMENTS (continued)

### **Summary of Significant Accounting Policies**

#### Accrual Accounting

The accompanying financial statements have been prepared on the accrual basis, except for the following, which are common practices in colleges and universities: (1) interest on student loans is recognized when received, (2) interest expense is recognized when paid, (3) gifts, grants and pledges are recognized when received or when billable, (4) Expendable Restricted Fund revenue is recognized only to the extent expended, (5) State appropriations for operations are recognized when received or made available and (6) revenue and expenditures of an academic term are reported in the fiscal year in which the program is predominantly conducted.

The accrual basis of accounting provides that expenditures include only amounts associated with goods and services received and that liabilities include only the unpaid amounts associated with such expenditures. Accordingly, outstanding purchase orders and commitments not reported in the financial statements totaled \$3,111,000 at June 30, 1995 and \$3,679,000 at June 30, 1994.

#### Income Taxes

The University is classified as a political subdivision of the State of Michigan under Internal Revenue Code Section 115(A) and is therefore exempt from Federal Income Taxes. Certain activities of the University, to the extent profitable, may be subject to taxation as unrelated business income.

### Cash and Cash Equivalents

For purposes of the statement of cash flows, the University considers all highly liquid investments (including restricted assets) with a maturity of three months or less when purchased to be cash equivalents.

#### investments

Investments are stated at the lower of aggregate cost or market or, when donated, at fair market value at date of gift.

#### inventories.

Inventories are valued at the lower of cost or market determined on a first-in first-out basis.

## MICHIGAN TECHNOLOGICAL UNIVERSITY NOTES TO THE FINANCIAL STATEMENTS (continued)

### Property, Plant and Equipment

Physical properties are stated at cost when purchased. Other acquisitions are stated at appraised value on date of receipt. Amounts expended directly from current funds for equipment or other capital additions are included in expenditures or transfers of such funds and are capitalized in the Plant Fund. Repair and maintenance and equipment replacement reserves have been established to provide for significant repair and maintenance costs to residences and certain other facilities.

### **Depreciation**

Depreciation is provided for physical properties on a straight line basis over the estimated useful life of the property, as follows:

. ..

Classification	Lite
Land Improvements	20 years
Buildings	40 years
Computer Equipment	5 years
Equipment	7 years
Library Books	5 years

Depreciation expense for 1995 and 1994 is approximately \$8,957,000 and \$8,367,000, respectively.

#### Reciassifications

Certain fiscal year 1994 amounts have been reclassified to conform with the fiscal year 1995 financial statement presentation.

### (2) CASH AND INVESTMENTS

The University utilizes the "pooled cash" method of accounting for substantially all of its cash and short-term investments. Investment policies for cash and short-term investments, as set forth by the Board of Control, authorize the University to invest, with limitations, in commercial paper of companies with a rating within the two highest classifications of prime as established by at least one of the standard rating services. Investments may also be made in securities of the U.S. Treasury and Federal agencies, and in time savings accounts.

Deposits with banks are generally uninsured. Short-term investments consist of the following at June 30, 1995 and 1994:

	<u> 1995</u>	1994
Cash and cash equivalents	\$ 14,114,000	\$ 14,532,000
Short term investments	9,796,000	8,163,000
U.S. Treasury Notes	401	122,000
	\$ 23,910,000	\$ 22,817,000

Endowment Fund investments, which are not included above, are \$1,529,000 at cost at June 30, 1995, with a market value of \$1,573,000. Policies regarding investments and marketable securities in the Endowment Fund, as set forth by the Board of Control, authorize the University to invest in instruments which meet the guidelines previously noted. The returns on investments and marketable securities, excluding the base cash pool, for the year ended June 30, 1995 and 1994 were 13.4% and 11%, respectively.

### (3) NOTES, BOND, AND CAPITAL LEASE OBLIGATIONS PAYABLE

In fiscal year 1994, the University defeased in substance the 1989 issue of General Revenue Bonds in the amount of \$3,070,000 with an issue of a General Revenue Refunding Bonds valued at \$3,585,000. Due to the present value of the future cash flows of the 1989 Bond Issue, the University was required to pay out \$3,453,000 to defease in substance the 1989 Bond Issue resulting in an extraordinary loss from the early extinguishment of debt of \$383,000. This was done to take advantage of favorable interest rates. The new bonds bear interest at 2.80% to 5.10% and mature at various dates through 2008. As of June 30, 1995, \$3,355,000 remains outstanding.

Annual maturities for all remaining debt obligations are as follows for the fiscal year ending June 30:

1996	\$	285,000
1997		295,000
1998		310,000
1999		310,000
2000		325,000
Thereafter		1,830,000
	s	3.355.000

### (4) POST-RETIREMENT BENEFITS

The University offers participation in one of two retirement plans for all qualified employees: the Michigan Public School Employees' Retirement System (MPSERS) and the Teachers Insurance and Annuities Association College Retirement Equities Fund (TIAA-CREF).

## MICHIGAN TECHNOLOGICAL UNIVERSITY NOTES TO THE FINANCIAL STATEMENTS (continued)

MPSERS is a noncontributory defined benefit retirement plan through the Michigan State Employees' Retirement System Plan (the "Plan"). Contributions by the University to the Plan were approximately \$2,210,000 and \$2,145,000 for the years ended June 30, 1995 and 1994, respectively. Further pension data, audited by the Office of the Auditor General of the State of Michigan, for the State Employees' Retirement System is included in the State of Michigan's Comprehensive Annual Financial Report.

The TIAA-CREF Plan is a defined contribution retirement plan. All exempt employees, as defined by the Federal Fair Labor Standards Act, who work at least 3/4 time are eligible to participate in the TIAA-CREF plan. Employee benefits vest immediately. The University contributes a specified percentage of employee wages and has no liability beyond its own contribution. For the years ended June 30, 1995 and 1994, the University contributed \$3,307,000 and \$3,088,000, respectively, to the TIAA-CREF plan.

Total wages of employees participating in the TIAA-CREF plan were approximately \$31,106,000 and \$28,326,000 in 1995 and 1994 respectively. Total wages of employees participating in the MPSERS plan were approximately \$16,458,000 and \$15,788,000 in 1995 and 1994, respectively.

The University subsidizes a medical benefits program for all University employees who retire on or after October 19, 1992. The 100% University funded plan covers both MPSERS and TIAA-CREF employees. An actuarial study dated May 1992 computed the liability as of the plan's effective date (October 19, 1992) to be approximately \$12,000,000. Funding for this plan will come from general University operations and a portion of the annual costs will be funded each year. The plan may be terminated at the discretion of the University.

### (5) LIABILITY AND PROPERTY INSURANCE

The University participates in the Michigan Universities Self-Insurance Corporation (MUSIC), which provides indemnity to members against auto, comprehensive general liability, errors and omissions, and property losses commonly covered by insurance. MUSIC also provides risk management and loss control services and programs.

Loss coverages are structured on a three layer basis with each member retaining a portion of its losses, MUSIC covering the second layer of losses and commercial carriers covering the third layer. Comprehensive general liability coverage is provided on an occurrence basis; errors and omissions coverage is provided on a claims made basis.

In the event of excess assets, MUSIC will either return the surplus, credit the surplus toward future payments or provide for increased coverages. Recommended reserves for both the corporation and each member are actuarially determined on an annual basis. The corporation will be self-sustaining through member payments and will purchase commercial coverage for claims in excess of established annual limits for eachline of coverage. Members may fund their respective reserves as they deem appropriate.

Premiums are assessed annually for (1) insurance risks retained by MUSIC, (2) costs related to excess coverage and (3) general and administrative expenses.

### MICHIGAN TECHNOLOGICAL UNIVERSITY NOTES TO THE FINANCIAL STATEMENTS (continued)

### (6) UNIVERSITY SUPPORT ORGANIZATIONS

The Michigan Tech Fund (MTF) is an independent nonprofit corporation formed for the exclusive benefit of the University. MTF is a tax exempt support organization engaged in traditional fund raising programs. The net assets of the MTF were \$28,651,000 and \$25,141,000 as of June 30, 1995 and 1994, respectively. Included in the net assets above, MTF has an endowment with a market value of \$16,364,000 and \$13,628,000 as of June 30, 1995 and 1994 respectively.

### (7) COMMITMENTS AND CONTINGENCIES

In the normal course of business, the University is named party to a number of lawsuits. In the opinion of management, the resolution of these suits will not have a material adverse effect on the University's financial position or results of operations.

The University has committed to two building projects in the immediate future: the Environmental Sciences Engineering Building will be a \$44 million facility of which \$30 million from the State of Michigan Building Authority, while the Performing Arts Center will be an \$18.8 million facility constructed entirely with private funds.

9,771,000

(8,249,000)

121,261,000

\$146,997,000

\$275,000

101,157,000

5,994,000

101,157,000

107.313.000

\$110,970,000

162,000

88,000

8,383,000

8,471,000

\$8,471,000

1,226,000

1,226,000

\$3,623,000

1,525,000

1,525,000

\$1,525,000

#### **COMBINING STATEMENT OF**

### **FINANCIAL CONDITION** June 30, 1995

Unrestricted

Investment in physical properties Deficit to be funded in subsequent

> Total fund balances (deficit) Total liabilities and fund

> > balances

Restricted

periods

EXPENDABLE STUDENT RETIREMENT **AUXILIARY AGENCY** COMBINED **PLANT ENDOWMENT** & INSURANCE RESTRICTED LOAN **GENERAL** DESIGNATED **ACTIVITIES** FUND FUND TOTAL **FUND** FUND FUND **FUND** FUND FUND **ASSETS** FUND **CURRENT ASSETS:** \$14,114,000 \$31,000 \$710,000 (\$4,000)\$6,443,000 \$1,881,000 \$2,342,000 \$1,282,000 \$1,429,000 Cash and cash equivalents 9,796,000 9,796,000 Short term investments 244,000 6,613,000 20,000 5,459,000 15,000 406,000 469,000 Accounts receivable, net 1,909,000 75,000 1,834,000 Inventories 70,000 70,000 Deposits 693,000 15,000 343.000 304,000 31,000 Prepaid expenses (1,836,000)1,836,000 Due (to) from other funds 6,458,000 275,000 33,195,000 710,000 (4,000)11,767,000 3,623,000 2,661,000 5,389,000 2,316,000 7.761.000 7,761,000 STUDENT LOANS RECEIVABLE, net 1,529,000 1,529,000 **INVESTMENTS** 104,512,000 104,512,000 PROPERTY, PLANT and EQUIPMENT, net \$275,000 \$148,997,000 \$1,525,000 \$110,970,000 \$3,623,000 \$8,471,000 \$11,767,000 \$2,661,000 \$5,389,000 \$2,316,000 **Total assets** LIABILITIES AND FUND BALANCES 27-**CURRENT LIABILITIES:** Current portion of notes, bonds and 285,000 \$285,000 \$ capital lease obligations payable 1,982,000 302,000 4,000 395,000 1,000 59.000 524,000 697,000 Accounts payable 16,000 3,783,000 402,000 594,000 258,000 2,427,000 88,000 Accrued payroll and payroll taxes 4,129,000 1,408,000 3,000 741,000 1,977,000 Unearned revenue 1,123,000 255,000 222,000 646,000 Deposits Current portion of accrued health 2,574,000 2,574,000 and liability claims 2,078,000 2,078,000 Accrued compensated absences 15,954,000 587,000 275,000 1,005,000 5,055,000 2,397,000 888,000 5,747,000 6,712,000 6,712,000 ACCRUED HEALTH AND LIABILITY CLAIMS NOTES, BONDS AND CAPITAL LEASE 3.070,000 3,070,000 **OBLIGATIONS PAYABLE** 275,000 25,736,000 3,657,000 1,005,000 11,767,000 2,397,000 5,747,000 888,000 **FUND BALANCES:** 18,582,000

4,384,000

4,384,000

\$5,389,000

\$11,767,000

1,773,000

1,773,000

\$2,661,000

4,818,000

(8,249,000)

(3,431,000)

\$2,316,000

### **EXHIBIT II**

MICHIGAN TECHNOLOGICAL UNIVERSITY
COMBINING STATEMENT OF REVENUES, EXPENDITURES,
TRANSFERS AND CHANGES IN FUND BALANCES
FOR THE YEAR ENDED JUNE 30. 1995

TRANSFERS AND CHANGES IN FUND BALANCES				RETIREMENT	EVERNOADIR	07107117			
FOR THE YEAR ENDED JUNE 30, 1995			AUXILIARY	<del>-</del>	EXPENDABLE	STUDENT		DI ANIT	COMBINED
	GENERAL	DESIGNATED	ACTIVITIES	& INSURANCE	RESTRICTED	LOAN	ENDOWMENT	PLANT	COMBINED
	FUND	FUND	FUND	FUND	<u>FUND</u>	FUND	FUND	FUND	TOTAL
REVENUES:						_		•	****
Tuition and fees	\$28,329,000	\$31,000	\$292,000	\$ -	\$ :*:	\$ -	\$ -	\$ .	\$28,652,000
State appropriations	40,708,000	##:		₩:	1,160,000	•	5.01	100	41,868,000
Federal grants and contracts	108,000	51,000	•	•	11,544,000	299,000	-	158,000	12,160,000
Joint capital outlay	-	-	•	•		.7		844,000	844,000
Private gifts, grants and contracts	230,000	1,098,000	71,000	•	8,638,000	1,000	•	780,000	10,818,000
Indirect cost recoveries	4,372,000		•	0.		-	•	-	4,372,000
Endowment income	•						61,000		61,000
Other investment income	(619,000)	118,000	592,000	869,000	(110,000)	176,000	(68,000)	388,000	1,346,000
Educational activities	2,608,000	1,750,000	840,000	26,000	115,000		(. <b>.</b> )		5,339,000
Auxiliary activities	2,000,000	1,750,000	16,614,000	20,000				•0	16,614,000
•		9,000	10,014,000	2		5,000	83,000	1,000	98,000
Other	•	8,000	•	77.	큔	3,000	00,000	· .,000	
Decrease in restricted revenues					179,000	_		_	179,000
held for future expenditures			40 400 000	905 000	21,528,000	481,000	76,000	2,171,000	122,351,000
Total revenues	75,736,000	3,057,000	18,409,000	895,000	21,520,000	401,000	70,000	2,171,000	122,001,000
EXPENDITURES:							•3		
Educational and general-					000 000				39,323,000
Instruction	36,887,000	1,573,000	•	₩.	863,000		1)=		
Research	1,954,000	744,000		<b>≅</b>	18,938,000	3,000	•	•	21,636,000
Public service	237,000	492,000	76	•	41,000	-	•	•	770,000
Academic support	6,906,000	38,000	₩;	*	3,000		-	•	6,947,000
Student services	3,553,000	27,000	•	-	155,000	•	•	-	3,735,000
Institutional support	9,847,000	532,000	•	(1,458,000)	3,000	·	-	•	8,924,000
Student financial support	8,106,000	2	•	•	5,313,000	(•)	•	•	13,419,000
Operation and maintenance of plant	6,484,000	2,000	•		≝		•		6,486,000
Auxiliary activities	1000		16,957,000	•	5	-	-	•	16,957,000
Other		2				6,000		1,745,000	1,751,000
Interest expense	***		-		¥			142,000	142,000
Depreciation allowance	NE:		_	-				8,957,000	8,957,000
	_	_	_	_	•		•	(3,792,000)	(3,792,000)
Capital additions, net of retirements	73,974,000	3,408,000	16,957,000	(1,458,000)	25,316,000	6,000	•	7,052,000	125,255,000
Total expenditures	13,814,000	0,400,000	10,007,000	(1,100,000)		5,000		,,	
MANDATORY TRANSFERS:	1,754,000	12,000	<u> </u>	2,000	(1,768,000)	823	3321	140	
Research	17,000	12,000	3	2,000	(17,000)	_			62
Institutional support		•	75	-	(737,000)	(133,000)	-	_	
Student financial support	870,000	•	297,000	•	(157,000)	(100,000)		(329,000)	
Debt service	32,000	4 000	297,000	(22.000)	(60,000)	•	•	(328,000)	2
Other	92,000	1,000	=	(33,000)	(80,000)		1000	-	
OTHER TRANSFERS:					(050 000)				-
Research	847,000	(591,000)	5	*	(258,000)	•	5	· ·	
Student financial support	734,000			*	(734,000)	358	12.0	(4 000 000)	5
Plant improvement	742,000	14,000	464,000	-	19,000	:•B	(i <b>€</b> :	(1,239,000)	
Other	(4,003,000)	(297,000)	2,505,000	2,384,000	(237,000)	10,000	<u>-</u>	(362,000)	
Total expenditures and transfers	75,059,000	2,547,000	20,223,000	895,000	21,526,000	(117,000)		5,122,000	125,255,000
REVENUES OVER (UNDER) EXPENDITURES						14			
AND TRANSFERS	677,000	510,000	(1,814,000)	••	=	598,000	76,000	(2,951,000)	(2,904,000)
DECREASE IN RESTRICTED REVENUES	- •	•	•						
HELD FOR FUTURE EXPENDITURES					(179,000)			-	(179,000)
HELD FOR FUTURE EXPERIENCES									
which has a second and the second sec	(4,108,000)	1,263,000	6,198,000		1,405,000	7,873,000	1,449,000	110,264,000	124,344,000
FUND BALANCES (DEFICIT), Beginning of year	(\$3,431,000)	\$1,773,000	\$4,384,000		\$1,226,000	\$8,471,000	\$1,525,000	\$107,313,000	\$121,261,000
FUND BALANCES (DEFICIT), End of year	(\$3,437,000)	41,110,000	4.100.1000		4.1225,530	45,,555	2.15		

MICHIGAN TECHNOLOGICAL UNIVERSITY
COMBINING STATEMENT OF REVENUES, EXPENDITURES,
TRANSFERS AND CHANGES IN FUND BALANCES
EOD THE YEAR BANDED HIME TO 1004

**EXHIBIT IV** 

EAD THE YEAR ENDED HAVE SA 4864			ALCOHOLD A FROM	RETIREMENT	EXPENDABLE	STUDENT			
FOR THE YEAR ENDED JUNE 30, 1994	GENERAL	DESIGNATED	AUXILIARY ACTIVITIES	& INSURANCE	RESTRICTED	LOAN	ENDOWMENT	PLANT	COMBINED
200000000	FUND	FUND	FUND	FUND	FUND	FUND	FUND	FUND	TOTAL
REVENUES:	4							<b>*</b>	<b>ACT COS COO</b>
Tultion and fees	\$27,553,000	\$33,000	\$299,000	\$ .	\$ .	\$ -		5 -	\$27,885,000
State appropriations	39,777,000		•	•	1,083,000	•			40,860,000
Federal grants and contracts	108,000		1,50		10,143,000	310,000	*	696,000	11,257,000
Joint capital outlay	•	-	•	2.50	•	•		•	5.5
Private gifts, grants and contracts	118,000	927,000	12,000	: (i)	6,829,000	•		250,000	8,136,000
Indirect cost recoveries	4,354,000	9		14 (A)	•	-	-	·	4,354,000
Endowment income	S			<b>3</b>	•	•	81,000		81,000
Other investment income	(180,000)	41,000	177,000	300,000	(16,000)	165,000	(81,000)	121,000	527,000
Educational activities	2,343,000	1,519,000	759,000	( · · · · · · · · · · · · · · · · · · ·	171,000	9.00	•		4,792,000
Auxiliary activities			16,630,000	(#P)		( <b>a</b> )	26	-	16,630,000
Other		-	19.0	309,000	1,000	5,000	(18,000)	6,000	303,000
Decrease in restricted revenues				-					
held for future expenditures			341		2,104,000				2,104,000
Total revenues	74,071,000	2,520,000	17,877,000	609,000	20,315,000	480,000	(18,000)	1,075,000	116,929,000
EXPENDITURES:	14,011,000		17,077,000						
Educational and general-									
Instruction	34,117,000	1,455,000			734,000		-		36,306,000
Research	2,248,000	1,258,000		ŝ	16,698,000		-		20,202,000
	329,000	448,000	•	-	2,000		_		779,000
Public service	6,173,000	37,000	_	ž.	1,000		2	-	6,211,000
Academic support	3,297,000	21,000	_		204,000	93-93		Ŷį	3,522,000
Student services	8,716,000	435,000		(2,038,000)	5,000	0.00	-	- 128 - 128	7,120,000
Institutional support	7,995,000	435,000		(2,000,000)	5,502,000	-	*		13,497,000
Student financial support	·	-	-	18,000	3,302,000	848	-		6,373,000
Operation and maintenance of plant	6,355,000	•	16,214,000	10,000		200	8	£2	16,214,000
Auxiliary activities	•	•	10,214,000		_	8,000	6	1,699,000	1,707,000
Other	•	•	•	ia∰ //ar	•	0,000		173,000	173,000
Interest expense	•	•	•	· ·	•	11 <del>0</del> -0		8,367,000	8,367,000
Depreciation allowance	7	•	•	•	•	:•:	•	(3,929,000)	(3,929,000)
Capital additions, net of retirements						8,000	<del></del>	6,310,000	116,542,000
Total expenditures	69,228,000	3,654,000	16,214,000	(2,018,000)	23,146,000	8,000	•	6,310,000	110,342,000
MANDATORY TRANSFERS:									
Research	335,000	2,000	•	3,000	(340,000)		•	# <b>*</b> 5	3.00
Institutional support	31,000	-	•	•	(31,000)		-	71 <b>4</b> 7	
Student financial support	673,000			•	(603,000)	(70,000)	•		
Debt service	252,000		225,000	•		(**)	•	(477,000)	•
Other	-		109,000		:₩	•	•	(109,000)	
OTHER TRANSFERS:									
Research	2,156,000	(477,000)	<b>:</b> €)	1,000	(1,680,000)		•	**	
Student financial support	690,000		2 <b>8</b> 2	•	(690,000)	9.5	•		•
Plant Improvement	2,770,000	(13,000)	529,000				•	(3,286,000)	*
Other	(2,943,000)	(1,571,000)	127,000	2,623,000	513,000		<u> </u>	1,251,000	
Total expenditures and transfers	73,192,000	1,595,000	17,204,000	609,000	20,315,000	(62,000)	•	3,689,000	116,542,000
REVENUES OVER (UNDER) EXPENDITURES									
AND TRANSFERS BEFORE EXTRAORDINARY ITEM	879,000	925,000	673,000	4		542,000	(18,000)	(2,614,000)	387,000
EXTRAORDINARY LOSS ON EARLY	·								
EXTINGUISHMENT OF DEBT	•		30	ATT-1850	•		•	(383,000)	(383,000)
REVENUES OVER (UNDER) EXPENDITURES									
AND TRANSFERS	879,000	925,000	673,000		· ·	542,000	(18,000)	(2,997,000)	4,000
	010,000	520,000	,			•,	(,,,,,,,	(	•
DECREASE IN RESTRICTED REVENUES	2		180		(2,104,000)				(2,104,000)
HELD FOR FUTURE EXPENDITURES	5:	-	073	27.0	{~,·~,·~)	155	· ·		(-1,00,1000)
manus management of the state o	(4,987,000)	338,000	5,525,000	920	3,509,000	7,331,000	1,467,000	113,261,000	126,444,000
FUND BALANCES (DEFICIT), Beginning of year	(\$4,108,000)	\$1,263,000	\$8,198,000	-	\$1,405,000	\$7,873,000	\$1,449,000	\$110,284,000	\$124,344,000
FUND BALANCES (DEFICIT), End of year	(94,100,000)	91,200,000			7.7.00,000	4.10.000			The state of the s

## Michigan Technological University Statements of Cash Flows For the Years Ended June 30, 1995 and 1994

>	1995		1994	
Cash flow from operating activities				
Cash provided by operating activities				
Current fund activities-				
Student tuition and fees	\$31,260,000		\$30,228,000	
State appropriation	41,868,000		40,860,000	
Auxiliary activities	16,614,000		16,630,000	
Other sources	31,924,000		28,307,000	
Non current fund activities	4,613,000		4,556,000	
	126,279,000		120,581,000	
Cash used in operating activities				
Current fund activities-				
Cash paid to suppliers and employees	104,085,000		98,261,000	
Cash paid for financial aid	13,419,000		13,497,000	
Non current fund activities-	4.407.000		4 500 000	
Cash paid to suppliers	1,127,000		1,526,000	
New student loans, net of repayments	557,000		647,000	
Alas analysis and the same and the same and the same and the same	119,188,000	7 004 000	113,931,000	6,650,000
Net cash flow provided by operating activities		7,091,000		0,030,000
Cash flow from noncapital financing activities				
Cash received from issuance of General Revenue Bonds	•		3,585,000	
Net cash provided by noncapital financing activities		•		3,585,000
Cools flow from coults till an also a statut				
Cash flow from capital financing activities			(0.070.000)	
Refunding of 1989 Memorial Union Building Bonds	•		(3,070,000)	
Deferred financing costs	(054 000)		(170,000)	
Payments on notes, bonds and capital lease obligations payable	(251,000)		(469,000)	
Interest paid	(142,000)		(173,000) 293,000	
Proceeds from property sales Equipment additions, net	(4.680.000)		(5.540,000)	
Library books	(91,000)		(118,000)	
Additions to buildings	(613,000)		(489,000)	
Construction in progress	(138,000)		(328,000)	
Net cash used in capital and related financing activities	(150,000)	(5,915,000)	(020,000)	(10,064,000)
1461 Cash used in Capital and Islated Intancing additions		(0,010,000)		(10,00,000)
Cash flow from investing activities				
Purchase of investments	(1,716,000)		(8,161,000)	
Net cash flow provided by (used in) investing activities		(1,716,000)		(8,161,000)
See Her President by faces in himself administra		*		
increase (decrease) in cash and cash equivalents		(540,000)		(7,990,000)
Onch and such equipplents at hardening of year		14,654,000		22,644,000
Cash and cash equivalents at beginning of year		\$14,114,000	<u> </u>	\$14,654,000
Cash and cash equivalents at end of year		\$14,114,000		\$14,00 A000

### Michigan Technological University Statements of Cash Flows For the Years Ended June 30, 1995 and 1994

<u>s</u>	1995	1994
Reconciliation of change in net assets to net cash provided by operating activities:		
Change in net assets	(\$3,083,000)	(\$2,100,000)
Adjustments to reconcile change in net assets to net cash provided by operating activities:		
Depreciation	8,957,000	8,367,000
Extraordinary loss on early extinguishment of debt	•	383,000
(Gain) loss on disposition of property	(49,000)	(277,000)
(Increase) decrease in accounts receivable	578,000	(1,577,000)
(Increase) in inventories	(158,000)	(65,000)
(Increase) decrease in prepaid expenses	(49,000)	(26,000)
Increase (decrease) in accounts payable	(175,000)	826,000
Increase (decrease) in deposits	(105,000)	364,000
Increase (decrease) in accrued payroll and payroll taxes	(30,000)	115,000
Increase (decrease) in uneamed revenue	392,000	1,359,000
Increase in accrued compensated absences	156,000	151,000
Increase (decrease) in accrued health and liability claims	657,000	(870,000)
Net cash provided by operating activities	\$7,091,000	\$6,650,000

### ARTHUR ANDERSEN LLP



## MICHIGAN TECHNOLOGICAL UNIVERSITY HOUGHTON, MICHIGAN

OMB CIRCULAR A-133 SINGLE AUDIT REPORTS

FOR THE YEAR ENDED JUNE 30, 1995

### MICHIGAN TECHNOLOGICAL UNIVERSITY

### OMB CIRCULAR A-133 SUPPLEMENTARY FINANCIAL REPORTS

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 $<sup>\</sup>star$  No nonmajor programs were selected for testing. Therefore, no report is required.

### ARTHUR ANDERSEN LLP

### INDEPENDENT AUDITORS' REPORT ON THE INTERNAL CONTROL STRUCTURE OF THE UNIVERSITY AS AN ENTITY

To the Board of Control, Michigan Technological University:

We have audited the financial statements of MICHIGAN TECHNOLOGICAL UNIVERSITY (the "University"), as of and for the year ended June 30, 1995, and have issued our report thereon dated September 22, 1995.

We conducted our audit in accordance with generally accepted auditing standards and the standards for financial audits contained in <u>Government Auditing Standards</u> (1994 Revision), issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement.

The management of the University is responsible for establishing and maintaining an internal control structure. In fulfilling this responsibility, estimates and judgments by management are required to assess the expected benefits and related costs of internal control structure policies and procedures. The objectives of an internal control structure are to provide management with reasonable, but not absolute, assurance that assets are safeguarded against loss from unauthorized use or disposition, and that transactions are executed in accordance with management's authorization and recorded properly to permit the preparation of financial statements in accordance with generally accepted accounting principles. Because of inherent limitations in any internal control structure, errors or irregularities may nevertheless occur and not be detected. Also, projection of any evaluation of the structure to future periods is subject to the risk that procedures may become inadequate because of changes in conditions or that the effectiveness of the design and operation of policies and procedures may deteriorate.

In planning and performing our audit of the financial statements of the University for the year ended June 30, 1995, we obtained an understanding of the internal control structure. With respect to the internal control structure, we obtained an understanding of the design of relevant policies and procedures and whether they have been placed in operation, and we assessed control risk in order to determine our auditing procedures for the purpose of expressing our opinion on the financial statements and not to provide an opinion on the internal control structure. Accordingly, we do not express such an opinion.

Our consideration of the internal control structure would not necessarily disclose all matters in the internal control structure that might be material weaknesses under standards established by the American Institute of Certified Public Accountants. A material weakness is a reportable condition in which the design or operation of one or more of the internal control structure elements does not reduce to a relatively low level the risk that errors or irregularities in amounts that would be material in relation to the financial statements being audited may occur and not be detected within a timely period by employees in the normal course of performing their assigned functions. We noted no matters involving the internal control structure and its operation that we consider to be material weaknesses as defined above.

However, we noted certain matters involving the internal control structure and its operation that we have reported to the management of the University in a separate letter dated September 22, 1995.

This report is intended for the information of the Board of Control, University management, the Department of Health and Human Services (the cognizant agency) and Federal grantor agencies. However, this report is a matter of public record and its distribution is not limited.

athur audesun LLP

Detroit, Michigan, September 22, 1995. internal control structure are to provide management with reasonable, but not absolute, assurance that (1) assets are safeguarded against loss from unauthorized use or disposition, (2) transactions are executed in accordance with management's authorization and recorded properly to permit the preparation of the financial statements in accordance with generally accepted accounting principles, and (3) Federal award programs are managed in compliance with applicable laws and regulations. Because of inherent limitations in any internal control structure, errors, irregularities, or instances of noncompliance may nevertheless occur and not be detected. Also, projection of any evaluation of the structure to future periods is subject to the risk that procedures may become inadequate because of changes in conditions or that the effectiveness of the design and operation of policies and procedures may deteriorate.

For the purpose of this report, we have classified the significant internal control structure policies and procedures used in administering Federal award programs in the following categories:

### Accounting Control Categories

- Financial Reporting Cycle (includes controls established to ensure compliance with laws and regulations that have a material impact on the financial statements)
- Treasury Cycle
- Revenue Cycle
- · Payroll Expenditure Cycle
- · Vendor Expenditure Cycle
- Conversion (Fixed Assets/Inventory) Cycle
- Federal Grants Cycle

#### Administrative Control Categories

- General Requirements
  - Political activity
  - Davis-Bacon Act\*
  - Civil rights
  - Cash management
  - Federal financial reports
  - Allowable costs/cost principles
  - Drug-Free Workplace Act
  - Administrative requirements

- Specific Requirements
  - Types of services allowed or disallowed
  - Eligibility
  - Matching, level of effort and/or earmarking
  - Reporting
  - Special tests and provisions (if applicable to specific programs)
  - Monitoring subrecipients\*
  - Cost allocation
  - Claims for advances and reimbursements
  - Amounts claimed or used for matching

(\* = not applicable to the University's 1995 programs)

For all of the internal control structure categories listed above, we obtained an understanding of the design of relevant policies and procedures and determined whether they have been placed in operation, and we assessed control risk.

During the year ended June 30, 1995, the University expended 99% of its total Federal awards under major Federal award programs.

We performed tests of controls, as required by OMB Circular A-133, to evaluate the effectiveness of the design and operation of internal control structure policies and procedures that we considered relevant to preventing or detecting material noncompliance with specific requirements, general requirements, requirements governing claims for advances and reimbursements and amounts claimed or used for matching that are applicable to each of the University's major Federal award programs, which are identified in the accompanying Schedule of Federal Awards. Our procedures were less in scope than would be necessary to render an opinion on these internal control structure policies and procedures. Accordingly, we do not express such an opinion.

Our consideration of the internal control structure policies and procedures used in administering Federal awards would not necessarily disclose all matters in the internal control structure that might constitute material weaknesses under standards established by the American Institute of Certified Public Accountants. A material weakness is a condition in which the design or operation of one or more of the internal control structure elements does not reduce to a relatively low level the risk that noncompliance with laws and regulations that would be material to a Federal award program may occur and not be detected within a timely period by employees in the normal course of performing their assigned functions. We noted no matters involving the internal control structure and its operation that we consider to be material weaknesses as defined above.

### ARTHUR ANDERSEN LLP

### INDEPENDENT AUDITORS' REPORT ON COMPLIANCE OF THE UNIVERSITY AS AN ENTITY

To the Board of Control, Michigan Technological University:

We have audited the financial statements of MICHIGAN TECHNOLOGICAL UNIVERSITY (the "University") as of and for the year ended June 30, 1995, and have issued our report thereon dated September 22, 1995.

We conducted our audit in accordance with generally accepted auditing standards and the standards for financial audits contained in Government Auditing Standards (1994 Revision), issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement.

Compliance with laws, regulations, contracts and grants applicable to the University is the responsibility of University management. As part of obtaining reasonable assurance about whether the financial statements are free of material misstatement, we performed tests of the University's compliance with certain provisions of laws, regulations, contracts and grants. However, the objective of our audit of the financial statements was not to provide an opinion on overall compliance with such provisions. Accordingly, we do not express such an opinion.

The results of our tests disclosed no instances of noncompliance that are required to be reported herein under Government Auditing Standards.

This report is intended for the information of the Board of Control, University management, the Department of Health and Human Services (the cognizant agency) and Federal grantor agencies. However, this report is a matter of public record and its distribution is not limited.

athur anderson LLP

Detroit, Michigan, September 22, 1995.

### ARTHUR ANDERSEN LLP

# INDEPENDENT AUDITORS' REPORT ON COMPLIANCE WITH THE GENERAL REQUIREMENTS APPLICABLE TO THE UNIVERSITY'S FEDERAL AWARD PROGRAMS

To the Board of Control, Michigan Technological University:

We have audited the financial statements of MICHIGAN TECHNOLOGICAL UNIVERSITY (the "University"), as of and for the year ended June 30, 1995, and have issued our report thereon dated September 22, 1995.

We have applied procedures to test the University's compliance with the following requirements applicable to its Federal award programs, which are identified in the accompanying Schedule of Federal Awards, for the year ended June 30, 1995.

- · Political activity
- Davis-Bacon Act\*
- Civil rights
- · Cash management
- · Federal financial reports
- Allowable costs/cost principles
- Drug-Free Workplace Act
- Administrative requirements
- (\* = not applicable to the University's 1995 programs)

Our procedures were limited to the applicable procedures described in the Office of Management and Budget's <u>Compliance Supplement for Audits of Institutions of Higher Learning and Other Non-Profit Institutions</u> (October 1991). Our procedures were substantially less in scope than an audit, the objective of which is the expression of an opinion on the University's compliance with the requirements listed in the preceding paragraph. Accordingly, we do not express such an opinion.

With respect to the items tested, the results of those procedures disclosed no material instances of noncompliance with the requirements listed in the second paragraph of this report. With respect to items not tested, nothing came to our attention that caused us to believe that the University has not complied, in all material respects, with those requirements. However, the results of our procedures disclosed immaterial instances of noncompliance with those requirements, which are described in the accompanying Schedule of Findings.

This report is intended for the information of the Board of Control, University management, the Department of Health and Human Services (the cognizant agency) and Federal grantor agencies. However, this report is a matter of public record and its distribution is not limited.

athun audusun LLP

Detroit, Michigan, October 13, 1995.

### ARTHUR ANDERSEN LLP

INDEPENDENT AUDITORS' REPORT ON COMPLIANCE WITH SPECIFIC REQUIREMENTS APPLICABLE TO THE UNIVERSITY'S MAJOR FEDERAL AWARD PROGRAMS

To the Board of Control, Michigan Technological University:

We have audited the financial statements of MICHIGAN TECHNOLOGICAL UNIVERSITY (the "University") as of and for the year ended June 30, 1995, and have issued our report thereon dated September 22, 1995.

We have also audited the University's compliance with the requirements governing (1) types of services allowed or disallowed, (2) eligibility, (3) matching, level of effort and/or earmarking, (4) reporting, (5) special tests and provisions, (6) cost allocation, (7) claims for advances and reimbursements, and (8) amounts claimed or used for matching that are applicable to each of its major Federal award programs, which are identified in the accompanying Schedule of Federal Awards for the year ended June 30, 1995. The management of the University is responsible for the University's compliance with those requirements. Our responsibility is to express an opinion on compliance with those requirements based on our audit.

We conducted our audit of compliance with those requirements in accordance with generally accepted auditing standards, the standards for financial audits contained in <u>Government Auditing Standards</u> (1994 Revision), issued by the Comptroller General of the United States, and Office of Management and Budget (OMB) Circular A-133, <u>Audits of Institutions of Higher Education and Other Non-Profit Institutions</u>. Those standards and OMB Circular A-133 require that we plan and perform the audit to obtain reasonable assurance about whether material noncompliance with the requirements referred to above occurred. An audit includes examining, on a test basis, evidence about the University's compliance with those requirements. We believe that our audit provides a reasonable basis for our opinion.

The results of our audit procedures disclosed immaterial instances of noncompliance with the requirements referred to above, which are described in the accompanying Schedule of Findings. We considered these instances of noncompliance in forming our opinion on compliance, which is expressed in the following paragraph.

In our opinion, the University complied, in all material respects, with the requirements governing (1) types of services allowed or disallowed, (2) eligibility, (3) matching, level of effort and/or earmarking, (4) reporting, (5) special tests and provisions, (6) cost allocation, (7) claims for advances and reimbursements, and (8) amounts claimed or used for matching that are applicable to each of its major Federal award programs for the year ended June 30, 1995.

This report is intended for the information of the Board of Control, University management, the Department of Health and Human Services (the cognizant agency) and Federal grantor agencies. However, this report is a matter of public record and its distribution is not limited.

athur anderson LLP

Detroit, Michigan, October 13, 1995.

### ARTHUR ANDERSEN LLP

### INDEPENDENT AUDITORS' REPORT ON THE SCHEDULE OF FEDERAL AWARDS

To the Board of Control, Michigan Technological University:

We have audited the financial statements of MICHIGAN TECHNOLOGICAL UNIVERSITY (the "University") as of and for the year ended June 30, 1995, and have issued our report thereon dated September 22, 1995. These financial statements and the Schedule referred to below are the responsibility of the University's management. Our responsibility is to express an opinion on the financial statements and the Schedule referred to below based on our audit.

We conducted our audit in accordance with generally accepted auditing standards and the standards for financial audits contained in <u>Government Auditing Standards</u> (1994 Revision), issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

Our audit was made for the purpose of forming an opinion on the financial statements of the University taken as a whole. The accompanying Schedule of Federal Awards is presented for purposes of additional analysis and is not a required part of the financial statements. The information in that Schedule has been subjected to the auditing procedures applied in the audit of the financial statements and, in our opinion, is fairly presented, in all material respects, in relation to the financial statements taken as a whole.

Detroit, Michigan, October 13, 1995. Certhen auderson LLP

	CFDA#	Index	Fund	0rgn	Proposal	1# Contract #	Fund Title	Amount
U S Dept	of Agriculture	):	52390			***************************************	***************************************	************
U S Dept	10.200 of Agriculture		R50537	22555	920128A	92-34214-7385 Financial Manager:	USDA-Pesticide Trnspr / Unsaturated J S Gierke	15,019.95  15,019.95
U S Fore	st Service:							
U S Fore	10.200 st Service:	E20248	R10597	24805	940226	R907-CC-SO-94002 Financial Manager:	USDA-Norwich Mine Historic Site D B Landon	21,529.79
							TOTAL FOR CFDA# 10.200	36,549.74
McIntyre	Stennis							
McIntyre	10.202 Stennis	E20040	R50502	23005	921210A1	ADV ACCT RSCH Financial Manager:	M/S-Gene Regulation Larch/Poplar D F Karnosky	6.33-
McIntyre	10.202 Stennis	E20041	R50506	23005	921210A1	ADV ACCT RSCH Financial Manager:	M/S-Spatical Sampling: Lake States D D Reed	89.17
McIntyre	10.202 Stennis	E20042	R50503	23005	921210A1	ADV ACCT RSCH Financial Manager:	M/S-Nitro Avil/Est Red Oak Seedling T L Sharik	1.83-
McInty	10.202 Stennis	E20044	R50505	23005	921210A1	ADV ACCT RSCH Financial Manager:	M/S-Research Administration W E Frayer	7,583.11
McIntyre	10.202 Stennis	E20046	R50680	23005	931013	MCINTIRE STENNIS Financial Manager:	MS-McIntire Stennis Master Account W E Frayer	79,234.86
McIntyre		E20047	R50681	23005	931013	MCINTIRE STENNIS Financial Manager:	MS-McIntire Stennis Master Account D F Karnosky	2,579.99
McIntyre	-	E20048	R50682	23005	931013	MCINTIRE STENNIS Financial Manager:	MS-FY94 Spatical Sampling:Lake Sta D D Reed	5,114.03
McIntyre		E20049	R50683	23005	931013	MCINTIRE STENNIS Financial Manager:	MS-McIntire Stennis Master Account M F Jurgensen	1.805.08
McIntyre		E20050	R50684	23005	931013	MCINTIRE STENNIS Financial Manager:	MS-McIntire Stennis Master Account V L Chiang	323.03-

	CFDA#	Index	Fund	Orgn	Proposa	1# Contract #	Fund Title	Amount
McIntyre	10.202 Stennis	E20052	R50768	23005	941009	McINTIRE STENNIS Financial Manager:	MS-McIntire Stennis Research Admin. W E Frayer	41,923.75
McIntyre	10.202 Stennis	E20053	R50769	23005	941009	McINTIRE STENNIS Financial Manager:	MS-Develop Male Sterile Aspen Clone D F Karnosky	11.201.37
McIntyre	10.202 Stennis	E20054	R50770	23005	941009	McINTIRE STENNIS Financial Manager:	MS-FY95-Xylem Tissue-Specific Mod. V L Chiang	20,064.48
McIntyre	10.202 Stennis	E20055	R50773	23005	941009	McINTIRE STENNIS Financial Manager:	MS-FY95-Genetic Engineering Conifer V L Chiang	13,094.78
								182,359.43
							TOTAL FOR CFDA# 10.202	182,359.43
J S Fores	t Service:							
	10.204 t Service:	E20222	R50534	23805	920130A3	92-37301-7598 Financial Manager:	USDA-Antisense Gene/Lignin Biosynth V L Chiang	780.56
	10.204 t Service:	E20223	R50533	24105	920130A3	92-37301-7598 Financial Manager:	USDA-Antisense Gene/Lignin Biosynth G K Podila	9,618.18
							TOTAL FOR CFDA# 10.204	10,398.74
J S Dept	of Agriculture	:						
	10.206 of Agriculture	E20229 :	R50535	24105	922102A	92-37103-7945 Financial Manager:	USDA-Monolignol/Biosynthetic Enzyme W H Campbell	44,448.11
	10.206 of Agriculture	E20230 :	R50536	22405	922451A	92-37103-8032 Financial Manager:	USDA-Reliability Wood Structural Sy W M Bulleit	5,257.78
							(i	49,705.89
IS Forest	t Service:							
	10.206 t Service:	E20203	R50530	24105	900702A	58-43YK-0-0049-AMD02 Financial Manager:	USDA-Environmental Nitrate/Plant Ro W H Campbell	1,933.26
								1.933.26
							TOTAL FOR CFDA# 10,206	51,639.15

	CFDA#	Index	Fund	Orgn	Proposal	# Contract #	Fund Title	Amount
U S Dept	of Agriculture	Fed Pa:	ss:					
U S Dept	10.652 of Agriculture		R80552 ss:	23005	940720	61-4829A Financial Manager:	MSU-Northern White Cedar Stand Dist K S Pregitzer	11,895.10
U S Dept	10.652 of Agriculture		R40501 ss:	23005	9108148	Agrmt 61-4806B 2 Financial Manager:	MSU- Climate/Pollution Northern Har G D Mroz	482.63
U S Dept	10.652 of Agriculture		R40550	23005	910814B	Agrmt 61-4806B 2 Financial Manager:	MSU-Climatic/Pollution Northern Har G D Mroz	778.10
U S Dept	10.652 of Agriculture		R40604	23805	950216	410616 Financial Manager:	W.V.U./USDA-Measure Wood Topology D J Gardner	6,925.78
								20.081.61
J S Fores	st Service:							
	10.652 st Service:	E20215	R50525	23005	920325A	RCA# 23-92-20-AMD1 Financial Manager:	USDA-Carbon Alloc/Mature Trees in S M R Gale	1.478.47
	10.652 t Service:	E20219	R10511	23005	920723A	RCA# 23-92-52 Financial Manager:	USDA-Organic Carbon Flux MI Mnrl We M F Jurgensen	2,160.14
	10.652 t Service:	E20220	R10510	23005	920804A	RCA# 23-92-58 01 Financial Manager:	USDA-Stand & Site Factors/Bird Eye S G Shetron	37.79
	10.652 t Service:	E20226	R50526	23005	920914A	PSW-92-0034CA-A3 Financial Manager:	USDA-Nitrogen Fixation Forest Ecosy M F Jurgensen	4,362.75
	10.652 t Service:	E20227	R10500	23005	920714A	COOP 23-92-64-AMD03 Financial Manager:	USDA-Effects of Ozone & CO2/Aspen & D F Karnosky	0.13
	10.652 t Service:	E20234	R50638	23005	900930A	FI# 23-91-01 - AMD04 Financial Manager:	USDA-Regenerate No Red Oak w/White T L Sharik	27,728.96
	10.652 t Service:	E20236	R10555	23005	910608A	AGRMT#23-625-AMD04 Financial Manager:	USDA-Ozone Effects Genotypes Aspen/ D F Karnosky	11,230.12-
	10.652 t Service:	E20237	R10556	23005	930505A	INT-93791-RJVA-AMD01 Financial Manager:	USDA-Soil Monitoring & Data Mgmat FF M F Jurgensen	4,402.26
	10.652 t Service:	E20238	R50648	23005	930632	23-93-21 Financial Manager:	USDA-Gene Express in Transformed Po D F Karnosky	16,678.71

CFDA#	Index	Fund	Orgn	Proposal	# Contract #	Fund Title	Amount
10.652 U S Forest Service:	E20239	R10565	23005	920714A	COOP 23-92-64-AMD03 Financial Manager:	USDA-EFFECTS OF OZONE & CO2/ASPEN & D F Karnosky	14,459.90
10.652 U S Forest Service:	E20240	R10564	23005	930631	R910-CS-93-022 Financial Manager:	USDA-01d Growth N Hdwd Dukes RNA HI M F Jurgensen	4,221.14
10.652 U S Forest Service:	E20241	R10567	23005	92080 <sup>.</sup>	RCA# 23-92-58 01 Financial Manager:	USDA-STAND & SITE FACTORS/BIRD EYE S G Shetron	3,753.10
10.652 U S Forest Service:	E20242	R10568	23005	910911A	FI# 23-91-43 A1 Financial Manager:	USDA-PAPER BIRCH REGENERATION PROJE T L Sharik	940.92
10.652 U S Forest Service:	E20246	R50687	23005	931107	R910-CS-93-028 Financial Manager:	USDA-Rare Assoc/Niagra Escarpment M R Gale	56.41-
10.652 U S Forest Service:	E20249	R10623	28505	940302	23-94-12 Financial Manager:	USDA-Micromatic Vegetation and Deco J Chen	29,210.95
10.652 U S Forest Service:	E20250	R10625	23805	931026	FP-94-2271 Financial Manager:	USDA-Treatability/Durability Wood Z Wang	27,297.32
10.652 U S Forest Service:	E20253	R10630	23005	940420	P.O. 40-54A4-4-0098 Financial Manager:	USAGR-Eco Type RNA/Non-Forest Pres. M R Gale	3,329.68
10.652 U S Forest Service:	E20254	R10632	23005	940620	R910-HR-94-011 Financial Manager:	USDA F.S Black Bear Ecology Proj R O Peterson	1,326.71
10.652 U S Forest Service:	E20256	R10634	23005	940404	PNW 94-0541 Financial Manager:	USFS-Canopy Structure/Microclimate J Chen	2,498.86
10.652 U S Forest Service:	E20257	R10635	23005	940413	PNW 94-0520 Financial Manager:	USAGR-Model:Predict Temp/Moisture J Chen	455.34
10.652 U S Forest Service:	E20258	R10636	23005	910608A	AGRMT#23-625-AMD04 Financial Manager:	USDA-Ozone Effects Genotypes Aspen D F Karnosky	102,259.74
10.652 U S Forest Service:	E20259	R10643	28505	940510	Ag <del>rmt#</del> 23-918-AMD02 Financial Manager:	USDA/FS-Pollution-Ecosystem-Forest K S Pregitzer	63,331.69
10.652 U S Forest Service:	E20262	R50764	23005	920914A	PSW-92-0034CA-A3 Financial Manager:	USDA-Nitrogen Fixation Forest Ecosy M F Jurgensen	5,950.73
10.652 U S Forest Service:	E20263	R10664	24805	941202	R907-MOU-S0-95-001 Financial Manager:	USAGR-Curation Archeological Items S R Martin	2,010.60

CFDA#	Index	Fund	0rgn	Proposal	# Contract #	Fund Title	Amount
10.652 U S Forest Service:	E21976	R50527	23005	900512B	CHALLENGE 050490 Financial Manager:	USFS-Grand Island GIS Project AM A L Maclean	3,795.18-
10.652 U S Forest Service:	E21986	R50693	23005	900512B	CHALLENGE 050490 Financial Manager:	USFS-Grand Island GIS Project A L Maclean	9,677.58
10.652 U S Forest Service:	E21987	R10641	23005	940419	Agrmt. # 23-94-33 Financial Manager:	USDA/FS-Eco Mgmxt.No.Forest Wetlands M R Gale	6,000.00
10.652 U S Forest Service Fede		R40566 Thr	23005	930901A	373617 SUB CONTRACT Financial Manager:	Univ Wash-Microclimate Silviculture J Chen	13,596.77
10.652 U S Forest Service Fede		R40570 Thr	23005	930902	378409 Financial Manager:	UNIV WASH-Microclimate Pattern Ripa J Chen	1,190.54
10.652 U S Forest Service:	E33982	S90066	28505	940302	23-94-12 Financial Manager:	USDA-Micromatic Vegetation and Deco J Chen	18,966.24
10.652 U S Forest Service:	E33985	S90070	23005	940404	PNW 94-0541 Financial Manager:	USFS - Canopy Structure Fellowship J Chen	14.991.26
							333,879.15
						TOTAL FOR CFDA# 10.652	353,960.76
U S Forest Service:							
10.664 U S Forest Service:	E20231	R10509	23805	920716	NA-93-0049 Financial Manager:	USDA-Comemrcialization of Strandwoo J F Diebel	13,590.21
						TOTAL FOR CFDA# 10.664	13,590.21
U S Dept of Commerce Fe	d Pass T	hru:					
11.405 U S Dept of Commerce Fe		R40507 hru:	28505	900633A	Z-48011 M/PM3I Financial Manager:	Univ Mich-Bythotrephes Spine Zoopla W C Kerfoot	3,208.85
						¥	3,208.85
						TOTAL FOR CFDA# 11.405	3,208.85

10/19/95 FTQOPL18A Fund L3

### MICHIGAN TECHNOLOGICAL UNIVERSITY Research - Summary Expense by CFDA# From 07/01/94 to 06/30/95

*******	CFDA#	Index	Fund	0rgn	Proposal	# Contract #	Fund Title	Amount
U S Dept	of Commerce Fe	d Pass T	hru:					
U S Dept	11.417 of Commerce Fe		R80505 hru:	24105	920403A	011219-FPK Financial Manager:	MSU-Lk Superior Fisheries Resources S H Bowen	4.005.15-
							TOTAL FOR CFDA# 11.417	4.005.15
U S Dept	of Commerce:							
U S Dept	11.431 of Commerce:	E24828	R50707	22405	930725	NA46GP0122-AMD.#01 Financial Manager:	USCOM-Arctic Pollution on Spring Oz R E Honrath	59,473.01
								59,473.01
							TOTAL FOR CFDA# 11.431	59,473.01
U S Navy	12.300	E21096	R10642	24105	931143	N00014-94-1-0766 Financial Manager:	USNAV-Mechanism Diatom Fouling Phen M R Gretz	25.725.02
								25,725.02
U S Offic	ce of Naval Res	earch:						
U S Offic	12.300 ce of Naval Res	E21075 earch:	R50508	24605	881120A	N00014-89-J-1966/A02 Financial Manager:	ONR-Compressible Fluids Mag Res Ima S A Marshall	10,237.54
U S Offic	12.300 ce of Naval Res	E21123 earch:	R50705	24105	930615	N00014-94-1-0273-M05 Financial Manager:	ONR-Diatom Extracellular Adhesives M R Gretz	253,105.10
U S Offic	12.300 ce of Naval Res	E21134 earch:	R50798	24105	930615	N00014-94-1-0273-M05 Financial Manager:	ONR-Diatom Extracellular Adhesives M R Gretz	2.321.61
							TOTAL FOR CFDA# 12.300	291,389.27

******	CFDA#	Index	Fund	0rgn	Proposal	# Contract #	Fund Title	Amount
ARO-ALLO	YING TO STRUCTU	RAL MATE	RIAL					
ARO-ALLO	12.431 YING TO STRUCTU		R40536 RIAL	22705	920707A	DAAH04-93-G-0057-P03 Financial Manager:	ARO-ALLOYING TO STRUCTURAL MATERIAL T H Courtney	9,744.09
								9,744.09-
U S Army	Research Offic	e:						
U S Army	12.431 Research Offic		R50524	22705	920707A	DAAH04-93-G-0057-P03 Financial Manager:	ARO-Alloying to Structural Mat'ls T H Courtney	26,191.27
	12.431 Research Offic		R50689	22705	930826	DAAH04-93-G-0011 Financial Manager:	ARO-Alloying to Structural Material T H Courtney	22,455.39
								48,646.66
							TOTAL FOR CFDA# 12.431	38,902.57
U S Air F	orce							
U S Air F	12.800 orce	E21109	R50522	22605	910511A	AFOSR-91-0421-E Financial Manager:	U S Air Force-Nanostructural Matl/c E C Aifantis	56,949.77
U S Air F	12.800 orce	E21124	R50714	24605	940206	F49620-94-1-0228 Financial Manager:	USAIR-Optical Properties of Silica/ R Pandey	22,173.73
U S Air F	12.800 orce	E21125	R50717	22605	931037	F49620-94-1-0255 Financial Manager:	USAIR-Studies Nanostructural Mat'ls E C Aifantis	23,576.74
								102,700.24
U S Air F	orce Fed Pass 1	îhru:						
	12.800 orce Fed Pass T		R40598	22505	941042	95-0832 Financial Manager:	RDL(AFOSR)-'95 Summer Res Ext Prog J B Burl	7,596.79
	12.800 orce Fed Pass T	E33875 hru:	S90105	22505	941042	95-0832 Financial Manager:	RDL(AFOSR)-'95 Summer Rsrch. Fellow J B Burl	14,339.26
							TOTAL FOR CERAL 10 CO.	21,936.05
							TOTAL FOR CFDA# 12.800	124,636.29

	CFDA#	Index	Fund	0rgn	Proposa1	# Contract #	Fund Title	Amount
National	Sacurity Acord							
National	Security Agenc	у:						
National	12.901 Security Agenc		R50706	24305	921009	MDA904-94-H-2013 Financial Manager:	NATIO-Topics of Analytic Number The S W Graham	11,448.60
National	12.901 Security Agenc		R50788	24305	930920	MDA904-95-H-1019 Financial Manager:	NATIO-NSA - Codes & Designs V Tonchev	11,416.70
National	12.901 Security Agenc		R50790	24305	931002	MDA904-95-H-1039 Financial Manager:	NATIO-NSA - Automorphism Groups R Jiang	3,960.91
								26,826.21
187			8				TOTAL FOR CFDA# 12.901	26.826.21
Dept of 1	Interior Fed Pa	ss Thru:						
Dept of 1	15.308 Interior Fed Pa		R80509	22605	881101A2	USDITPSU-142-639 Financial Manager:	Penn State-Mnrl Rd Mine Characteriz J H Johnson	0.02
Dept of 1	15.308 Interior Fed Pas		R80517	24105	881101B2	USDITPSU-142-727 Financial Manager:	Penn State-Devl Emission Test Metho S T Bagley	570.76
	15.308 Interior Fed Pas		R80519	22605	911221A3	USDITPSU25142-807 Financial Manager:	Penn State-Diesel Characterization J H Johnson	27,137.71
	15.308 Interior Fed Pas	E27853 ss Thru:	R80520	22605	911221A3	USDITPSU25142-807 Financial Manager:	Penn State-Diesel Tailpipe Measurem J H Johnson	21,844.30
	15.308 Interior Fed Pas		R80532	22605	911221A4	USDITPSU35242920-A01 Financial Manager:	PENN STATE-MNRL Tech CNTR/Respiable J H Johnson	13,958.02
	15.308 Interior Fed Pas		R80533	24105	911221A4	USDITPSU35242920-A01 Financial Manager:	PENN STATE-MNRL Tech CNTR/Respiable S T Bagley	11,510.33
	15.308 Interior Fed Pas		R40534	22705	901206B	BPO 191.734 Financial Manager:	Univ Nev-Mnrl Industry Waste Treatm C C Nesbitt	1,967.75-
	15.308 Interior Fed Pas		R40513	22805	901211B	CR-4529-432272 Financial Manager:	Virginia Tech-Simulator/Mine Fire M R Greuer	382.72
								73.436.11

CFDA#	Index	Fund	0rgn	Proposa	l# Contract #	Fund Title	Amount
U S Bureau of Mines:				••••••			
15.308 U S Bureau of Mines:		R50544	22705	920426A	G1124226 Financial Manager:	USBM-MMRI FY1993 Allotment L A Heldt	0.01
15.308 U S Bureau of Mines:		R50547	22705	920426A	G1134226 Financial Manager:	USBM-Mineral Resources Institute FY L A Heldt	4,075.04
15.308 U S Bureau of Mines:		R50548	22705	920426A	G1134226 Financial Manager:	USBM-Research & Training Metallurgy L A Heldt	595.16
15.308 U S Bureau of Mines:		R50549	22805	920426A	G1134226 Financial Manager:	USBM-Research & Training in Mining D L Abata	1.405.70-
15.308 U S Bureau of Mines:		R50550	22555	920426A	G1134226 Financial Manager:	USBM-Research & Training in Geology W I Rose	0.70
15.308 U S Bureau of Mines		R80549 nru:	22405	940725	1432-J0230005 Financial Manager:	USBM-Abandon Mine Landslide Remed. S J Vitton	14.466.56
							17,731.77
						TOTAL FOR CFDA# 15.308	91,167.88
Dept of Interior Fed	Pass Thru:						
15.610 Dept of Interior Fed		R80501	24305	920806A	Agrmt 1992-19 Financial Manager:	MI DNR Censusing Method Moose(ALCES T D Drummer	35,233,92
bept of Interior red	rass iniu:				rinancial hanager:	t o promiser	
							35,233.92
National Park Service	e:						
15.610 National Park Service		R50688	23005	931205	CA6310948002 Financial Manager:	NPS-Wolf/Moose Monitoring IR Winter R O Peterson	3.734.17
15.610 National Park Service		R50785	23005	941157	1443CA631095004 Financial Manager:	USPAR-Wolf/Moose Monitoring NPS R O Peterson	29,447.64
						€	33,181.81
						TOTAL FOR CFDA# 15.610	68.415.73

CFDA#	Index	Fund	Orgn	Proposal	# Contract #	Fund Title	Amount
Federal Highway Admin	Fed Pass	Thru					
20.215 Federal Highway Admin	E27009	R80534	22405	8601301	88-00008 Financial Manager:	MICH-DOT Local Tech Assistance Prgm B D Alkire	280.814.93
20.215 Federal Highway Admin		R80553 Thru	22405	860130J	38259,38260 & 38261 Financial Manager:	Mich DOT-Local Tech Assistance Prgm B D Alkire	260,746.24
20.215 Federal Highway Admin		R80565 Thru	22405	860130	37419C Financial Manager:	MDOT-TTTC Video Tapes B D Alkire	72,824.93
20.215 Federal Highway Admin		R80566 Thru	22405	860130	97501 Financial Manager:	MDOT-TTTC Mates B D Alkire	1,933.05
20.215 Federal Highway Admin		R80522 Thru	22405	8601301	88-00008 Financial Manager:	MICH-DOT Local Tech Assistance Prgm B D Alkire	36,851.19
20.215 Federal Highway Admin		R80523 Thru	22405	860130C	88-0008 (93-00) Financial Manager:	MICH-DOT Local Tech Assistance Prgm B D Alkire	34,802.37
						TOTAL FOR CFDA# 20.215	687,972.71 
National Science Found	ation:						
47.041 National Science Found	E24010 ation:	R50565	22405	910105A	BCS-9110136 Financial Manager:	NSF-Biosuracttant/Xeonbiotic Remedi J R Mihelcic	7,254.67-
47.041 National Science Found	E24014 ation:	R50569	22605	900715A	DDM-9025550 A-5 Financial Manager:	NSF-Sht Metal Intelligent Stamping K J Weinmann	55,293.53
47.041 National Science Found		R50570	22205	901213A3	CTS-9106865 A2 Financial Manager:	NSF-Sol-Gel Synthesis Of Binary Gla M E Mullins	3,368.75-
47.041 National Science Found		R50571	22605	910517A	MSS-9157090-002 Financial Manager:	NSF-Presidential Young Investigator P G Charalambides	2,005.36-
47.041 National Science Found		R50572	22305	901213A3	CTS-9106865 A2 Financial Manager:	NSF-Sol-Gel Synthesis Of Binary Gla B C Cornilsen	4,057.72-
47.041 National Science Found		R50577	22405	901220A	MSS-9108064 A02 Financial Manager:	NSF-Connected Timber Frame Behavior W M Bulleit	7,825.62

	CFDA#	Index	Fund	Orgn	Proposal	# Contract #	Fund Title	Amount
National	47.041 Science	E24034 Foundation:	R50587	22705	920902B	DMR-9257465-MOD 03 Financial Manager:	NSF-YOUNG INVESTIGATOR AWARD AMD01 W W Milligan	493.87
National	47.041 Science i	E24041 Foundation:	R50594	22705	920136	DMR-912544-001 Financial Manager:	NSF-Solidification Multi Cmpd Oxide A Hellawell	53,763.88
National	47.041 Science	E24044 Foundation:	R50634	22405	901220A	MSS-9108064 A02 Financial Manager:	NSF-Connected Timber Frame Behavior W M Bulleit	1.357.41
National	47.041 Science I	E24047 Foundation:	R50647	22505	930122A	ECS-9308438 Financial Manager:	NSF-Modeling Pwr Sys Transient Phen B Mork	35,746.69
National	47.041 Science F	E24049 Foundation:	R50652	22505	920240	INT-9214087 Financial Manager:	NSF-Realtivistic Ionization Form Fa W F Perger	2,633.26
National	47.041 Science F	E24052 Foundation:	R50661	22205	901213A3	CTS-9106865 A2 Financial Manager:	NSF-SOL-GEL- Synthesis of Binary G1 M E Mullins	1,282.79
National	47.041 Science f	E24053 Foundation:	R50660	22305	901213A3	CTS-9106865 A2 Financial Manager:	NSF-SOL-GEL: Synthesis of Binary Gl B C Cornilsen	7,362.15
	47.041 Science f	E24058 Foundation:	R50670	22205	921104	CTS-9303112 A01 Financial Manager:	NSF-Analysis Shear-Flow Anomalies F A Morrison	94,225.47
	47.041 Science F	E24059 Foundation:	R50671	24305	921104	CTS-9303112 A01 Financial Manager:	NSF-Analysis Shear-Flow Anomalies R W Kolkka	24,674.80
	47.041 Science F	E24064 Foundation:	R50678	22605	930135	MSS-9310476-AMD01 Financial Manager:	NSF-Plastic Deformation & Fracture E C Aifantis	24,566.88
	47.041 Science f	E24074 Foundation:	R50709	22205	921203	CTS-9404156-AMD02 Financial Manager:	NSF-Free Radical Retrograde Precip G T Caneba	35,106.81
	47.041 Science F	E24084 Foundation:	R50740	22705	920902B	DMR-9257465-MOD 03 Financial Manager:	NSF-Young Investigator Award W W Milligan	62,854.19
	47.041 Science F	E24097 Foundation:	R50757	22705	940329	CTS-9414446 Financial Manager:	NSF-Hexavalent Chromium Formation C L Nassaralla	5,666.41
	47.041 Science F	E24099 Foundation:	R50759	22405	940316	CMS-9413747 Financial Manager:	NSF-Civil Mtls Rsch Instrumentation F Arbabi	69,674.36
	47.041 Science F	E24101 oundation:	R50761	22205	940630	EEC-9420526 AMD02 Financial Manager:	NSF-In Situ Subsurface Remediation D R Shonnard	17,430.00

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National	47.041 Science	E24102 Foundation:	R50762	22555	940630	EEC-9420526 AMD02 Financial Manager:	NSF-In Situ Subsurface Remediation A S Mayer	12,591.47
National	47.041 Science	E24105 Foundation:	R50775	22605	900715A	DDM-9025550 A-5 Financial Manager:	NSF-The Intelligent Stamping Die K J Weinmann	14,201.37
National	47.041 Science	E24106 Foundation:	R50776	22555	940322	CMS-9414361 Financial Manager:	NSF-Aquifer Heterogenetity Estimate C T Young	7.612.59
National	47.041 Science	E24114 Foundation:	R50792	22205	921203	CTS-9404156-AMD02 Financial Manager:	NSF-Free Radical Retrograde Precip G T Caneba	5,478.76
National	47.041 Science	E24116 Foundation:	R50800	22605	941031	DMI-9502109 Financial Manager:	NSF-Env Conscious Mach Tool Systems J W Sutherland	1,996.93
National	47.041 Science	E28639 Foundation Fed	R80544 Pas	22605	930825	SUBCONTRACT #94-152 Financial Manager:	UNIVE-ILL-Coalition Mach. Tool Tech J W Sutherland	89,779.41 
U S Envir	romental	Protection Age	ncy:					
	47.041 comental	E24708 Protection Age	R50604 ncy:	22405	910311A	CR 818513-02-0 Financial Manager:	EPA-Sediments/Water Interface Of La M T Auer	13,702.79-
	47.041 comental	E24732 Protection Ager		22405	910311A	CR 818513-02-0 Financial Manager:	EPA-SEDIMENTS/WATER INTERFACE OF LA M T Auer	39,078.91
								25,376.12
							TOTAL FOR CFDA# 47.041	640,308.27
National	Science f	Foundation:						
	47.049 Science F	E24013 Foundation:	R50568	22705	901123A	DMR-9106447 ADM2 Financial Manager:	NSF-Morphology Thin Film Interdiffu S A Hackney	11,411.21
	47.049 Science f	E24021 Foundation:	R50575	22205	910114A	DMR-9111318 AMD1 Financial Manager:	NSF-Flow Morphology / Block Copolym F A Morrison	779.82-
	47.049 Science f	E24025 Foundation:	R50579	24605	910418A	ATM-9116075 AMD2 Financial Manager:	NSF-Fully Polarimetric Doppler Rada A B Kostinski	8,932.80
	47.049 Science f	E24026 Foundation:	R50580	24305	911004A	DMS-9200409 AMD1 Financial Manager:	NSF-Probability Theory/Assoc Lmt Th A P Godbole	119.90

	CFDA#	Index	Fund	0rgn	Proposal:	# Contract #	Fund Title	Amount
National	47.049 Science Founda	E24036 tion:	R50589	22705	911208A	DMR-9206783 AMD03 Financial Manager:	NSF-The Grain Structure Of Castings A Hellawell	33,620.46
National	47.049 Science Founda		R50668	22705	911208A	DMR-9206783 AMD03 Financial Manager:	NSF-THE GRAIN STRUCTURE OF CASTINGS A Hellawell	97,557.70
National	47.049 Science Founda		R50677	24605	930109	DMR-9308168-AMD#02 Financial Manager:	NSF-Cluster Assem Nanophase Meals N B H Suits	44.133.86
National	47.049 Science Founda		R50699	24605	890603B	PHY-9317828 AMD 01 Financial Manager:	NSF-Lanthanide/Actinide Atoms & Neg D R Beck	36,048.33
National	47.049 Science Foundar	E24073 tion:	R50704	24305	930914	DMS-9322460/AMD 01 Financial Manager:	NSF-Probabilistic Graph-Number Theo A P Godbole	32,919.16
National	47.049 Science Foundar	E24076 tion:	R50712	24605	910418A	ATM-9116075 AMD2 Financial Manager:	NSF-FULLY POLARIMETRIC DOPPLER RADA A B Kostinski	41,105.67
National	47.049 Science Foundate	E24081 tion:	R50739	22705	931038	DMR-9400507-AMD01 Financial Manager:	NSF-Relationship Trialuminide Alloy D E Mikkola	69,974.41
National	47.049 Science Foundat	E24083 tion:	R50737	24305	931218	DMS_9408158 Financial Manager:	NSF-Projection Pursuit Estimator J Dong	12,455.93
National	47.049 Science Foundat	E24091 tion:	R50747	22705	940141	DMR-9410454-AMD01 Financial Manager:	NSF-Lateral Growth Instabilities S A Hackney	52,020.68
National	47.049 Science Foundat	E24103	R50771	24305	940402	DMS-9415060 Financial Manager:	NSF-Probability Algorithms Optimiz. A P Godbole	5,567.79
Nationa?	47.049 Science Foundat		R50601	22305	911111A	USE-9251640 Financial Manager:	NSF-Process Analy Chemistry Undergr D J Chesney	62,864.10
National	47.049 Science Foundat	E24638 tion:	R50723	22705	940112	DMR-9409718 Financial Manager:	NSF-X-Ray Fluorescence Spectrometer D E Mikkola	108,000.00
National	47.049 Science Foundat	E27154 tion Fed		22205	901230A	61-8678/240-15 Financial Manager:	MSU-Hi Speed Mfg Composite Componen J G Williams	473.07
							9	616,425.25
							TOTAL FOR CFDA# 47.049	616,425.25

	CFDA#	Index	Fund	Orgn	Proposal	# Contract #	Fund Title	Amount
National	Science	Foundation:					et.	
National	47.050 Science	E24020 Foundation:	R50574	22405	901106A	BCS-9103307-01 Financial Manager:	NSF-Apo Treatment Of Water D W Hand	641.67
National	47.050 Science	E24022 Foundation:	R50576	22555	910516A	EAR-91117726 Financial Manager:	NSF-Volcanic Gas Releases Earth Atm W I Rose	1,641.27
National	47.050 Science	E24051 Foundation:	R50657	22555	930503	INT-9314794 Financial Manager:	NSF-Decade Volcano Travel/S M Guate W I Rose	1,869.58
National	47.050 Science	E24079 Foundation:	R10644	22555	931138	EAR-9406093 Financial Manager:	NSF-Fate/Transport Volcan. Ash W I Rose	37,468.57
National	47.050 Science	E24082 Foundation:	R50736	22405	920920	ATM-9300166 AMD01 Financial Manager:	USTRE-Nitrogen Oxides in Photochem. R E Honrath	63,399.69
National	47.050 Science	E24089 Foundation:	R50745	22555	931135	EAR-9414305 Financial Manager:	NSF-Rock Mag Prop Tephrochology S J Beske-Diehl	3,259.80
National	47.050 Science	E24401 Foundation:	R50597	22555	900517A	EAR-9017821-001 Financial Manager:	NSF-Radiometric/Palemagnetic Guatem J F Diehl	15,540.38
							TOTAL FOR CFDA# 47.050	123,820.96
National	Science	Foundation:						
	47.051 Science	E24019 Foundation:	R50573	24405	901201A	DIR-9106510 Financial Manager:	NSF-Algorithms & Software Blosequ X Huang	240.89
	47.051 Science	E24028 Foundation:	R50582	23805	910526A3	IBN-9118366-AMD 02 Financial Manager:	NSF-Metobolic Response/Conifers Str V L Chiang	4,279.56-
	47.051 Science	E24029 Foundation:	R50583	24105	910526A3	IBN-9118366-AMD 02 Financial Manager:	NSF-Metabolic Response/Conifers Str W H Campbell	844.46
	47.051 Science	E24061 Foundation:	R50675	23805	910526A3	IBN-9118366-AMD 02 Financial Manager:	NSF-METABOLIC RESPONSE/CONIFERS STR V L Chiang	47,138.50
	47.051 Science	E24062 Foundation:	R50676	24105	910526A3	IBN-9118366-AMD 02 Financial Manager:	NSF-METABOLIC RESPONSE/CONIFERS STR W H Campbell	18,986.03

	CFDA#	Index	Fund	0rgn	Proposa	# Contract #	Fund Title	Amount
National	47.051 Science Founda	E24094 ition:	R50752	23805	910526A3	3 IBN-9118366-AMD 02 Financial Manager:	NSF-Metabolic Response/Conifers Str V L Chiang	9,835.63
National	47.051 Science Founda	E24095 tion:	R50753	24105	910526A3	IBN-9118366-AMD 02 Financial Manager:	NSF-Metabolic Response/Conifers Str W H Campbell	20,622.18
National	47.051 Science Founda		S90100	23805	910526A3	IBN-9118366-AMD 02 Financial Manager:	NSF-METABOLIC RESPONSE FELLOWSHIP V L Chiang	8,593.96 101,982.09
							TOTAL FOR CFDA# 47.051	101.982.09
National	Science Founda	tion:						
National	47.053 Science Founda	E23989 tion:	R50554	22705	890412A	INT-8914847 A1 Financial Manager:	NSF-US China COOP RSCH-Rare EArth A A Hellawell	4,063.35-
							TOTAL FOR CFDA# 47.053	4,063.35-
National	Science Founda	tion:						
National	47.067 Science Foundar	E23994 tion:	R50556	22705	890916A3	DMR-8922824 AMD03 Financial Manager:	NSF-Grain Boundary Segregation Frac C L White	4.755.89
National	47.067 Science Foundar	E23995 tion:	R50557	22705	890916A3	DMR-8922824 AMD03 Financial Manager:	NSF-Grain Boundary Segregation Frac M R Plichta	11,424.28
National	47.067 Science Foundar	E23999 tion:	R50560	22705	900402A	DMR-9015665 AMD02 Financial Manager:	NSF-Relationships in Trialuminide A D E Mikkola	64.03-
National	47.067 Science Foundate		R50561	22705	900402A	DMR-9015665 AMD02 Financial Manager:	NSF-Relationships in Trialuminide A D E Mikkola	1,561.18-
							TOTAL FOR CFDA# 47.067	14,554.96

	CFDA# Ir	ndex	Fund	0rgn	Proposal	# Contract #	Fund Title	Amount
lationa]	Science Foundation	on:						
lational	47.069 E2 Science Foundation		R50507	22605	900109A	CTS-9009518 AMD1 Financial Manager:	NSF-Laminar & Turbulent Flame Thick P Cho	0.01
ational	47.069 E2 Science Foundation		R50567	22505	910111A2	ECS-9111234 AMD1 Financial Manager:	NSF-CALCULATING HARMONICS POWER SYS L J Bohmann	2,717.23
ational	47.069 E2 Science Foundation		R50578	22555	910509A	EAR-9117121 Financial Manager:	NSF-Cretaceous Blackhawk Formation J E Huntoon	17,844.52
itional	47.069 E2 Science Foundation		R50586	22605	920116A	DDM-9210883 Financial Manager:	NSF-Interference Free Spatial Mecha Z Ling	18,785.68
ational	47.069 E2 Science Foundation		R50591	22505	910111A2	ECS-9111234 AMD1 Financial Manager:	NSF-CALCULATING HARMONICS POWER SYS L J Bohmann	2,708.56
ational	47.069 E2 Science Foundation		R50650	22555	910509B	EAR-9117121 Financial Manager:	NSF-Cretaceous Blackhawk Formation J E Huntoon	6,126.46
								48,182.46
							TOTAL FOR CFDA# 47.069	48,182.46
ntional	Science Foundatio	n:						
ntional	47.070 E2 Science Foundatio		R50635	22505	920825	MIP-9223989 AMD03 Financial Manager:	NSF-Models/Gas Based Integrated Cir A K Goel	25,254.85
ational	47.070 E2 Science Foundatio		R50653	24405	930116	CCR-9308348 AMD02 Financial Manager:	NSF-RIA Global Instruction Scheduli P H Sweany	57,998.73
ational	47.070 E2 Science Foundation		R50691	22505	920825	MIP-9223989 AMD03 Financial Manager:	NSF-Models/Gas Based Integrated Cir A K Goel	5.761.42
ational	47.070 E2 Science Foundatio		R50750	22505	940115	MIP-9409686 Financial Manager:	NSF-RIA/Convex Design Signal System J O Coleman	28,792.61
itional	47.070 E2 Science Foundation		R50758	24405	940111	CCR-9409341-AMD02 Financial Manager:	NSF-Improving Cache Performance S M Carr	63,304.95
								181,112.56
							TOTAL FOR CFDA# 47.070	181,112.56

	CFDA#	Index	Fund	Orgn	Proposal	# Contract #	Fund Title	Amount
National	Science Fo	undation:						
National	47.071 Science Fo	E24040 undation:	R50593	22405	926098A1	DUE-9254207 AM01 Financial Manager:	NSF-3-D Spatial Visual Skills Engrg S A Sorby	363.12-
National	47.071 Science Fo	E24070 undation:	R50701	24305	926098A1	DUE-9254207 AM01 Financial Manager:	NSF-3-D Spatial Visual Skills Engrg B J Baartmans	4,028.27
National	47.071 Science Fo		R50702	22405	926098A1	DUE-9254207 AM01 Financial Manager:	NSF-3-D Spatial Visual Skills Engrg S A Sorby	7.835.00 11,500.15
							TOTAL FOR CFDA# 47.071	11,500.15
National	Science For	undation:						
National	47.072 Science Fou	E24007 undation:	R50563	22555	910118A	BCS-9110989 Financial Manager:	NSF-Chemical Vapor Extractions in C J S Gierke	2,311.46-
National	47.072 Science Fou	E24055 indation:	R50663	22555	930125	BCS-9309050-AMD #002 Financial Manager:	NSF-Nonequalibrium Vadose Zone Tran A S Mayer	20,432.33
								18,120.87
							TOTAL FOR CFDA# 47.072	18,120.87
National	Science Fou	indation:						
	<b>47.074</b> Science Fou	E24030 indation:	R50584	24105	910405A	MCB-9115009 MOD3 Financial Manager:	NSF-Higher Plant Nitrate Reductase W H Campbell	28.140.68
	47.074 Science Fou	E24037 indation:	R50590	24105	920803A	92-96254 - Amend 01 Financial Manager:	NSF-Blochem Red Algal Polysaccharid M R Gretz	2,869.83
	47.074 Science Fou	_	R50595	24105	910405A	MCB-9115009 MOD2 Financial Manager:	NSF-Higher Plant Nitrate Reductase W H Campbell	1,725.20-
	47.074 Science Fou		R50703	28505	930606	DEB-9317401-AMD02 Financial Manager:	NSF-LTREB Tropic Dyn Wolves Moose & R O Peterson	37,662.21
	47.074 Science Fou	E24078 ndation:	R50718	23005	940526	DEB-9496197-AMD001 Financial Manager:	NSF-Soil Temp/Nitrate Fine Root Cst K S Pregitzer	139,593.71

	CFDA#	Index	Fund	0rgn	Proposal#	Contract #	Fund Title	Amount
National	47.074 Science	E24093 Foundation:	R50751	23005	940314	BIR-9413407 Financial Manager:	NSF-Acquisition of Instrumentation K S Pregitzer	116,222.29
National	47.074 Science	E24112 Foundation:	R50789	24105	940633	MCB-9420313 Financial Manager:	NSF-Biochemistry Nitrate Reductase W H Campbell	49,092.14
National	47.074 Science	E24115 Foundation:	R50793	23005	950218	DEB-9521148 Financial Manager:	NSF-The Gribben Buried Forest K S Pregitzer	4,226.39
National	47.074 Science	E33869 Foundation:	\$90099	28505	930606	DEB-9317401-AMD02 Financial Manager:	NSF-Tropic Dyn Wolves/Moose Fellow R O Peterson	7,116.62
								383,198.67
							TOTAL FOR CFDA# 47.074	383,198.67
National	Science	Foundation:					¥	
National	47.075 Science	E24090 Foundation:	R50749	22705	940307	INT-9415418 AMD001 Financial Manager:	NSF-Entrainment Froth FloatCoal S K Kawatra	1,839.18
National	47.075 Science	E24110 Foundation Fed		24305	941007	1/31/95 Agreement Financial Manager:	NRC-Twinning Prgm Bulgaria/Romania A H Baartmans	3,955.86
National	47.075 Science	E27501 Foundation Fed		22555	931222	1/20/95 Agreement Financial Manager:	NRC-COBASE Travel Grant A S Mayer	2,011.23
								7,806.27
							TOTAL FOR CFDA# 47.075	7,806.27
National	Science	Foundation:						
National	47.076 Science	E24060 Foundation:	R50672	22705	930420	GER-9253884 Financial Manager:	NSF-Graduate Research Fellowship Aw W W Milligan	8,127.00
National	47.076 Science	E24096 Foundation:	R50754	24305	931123	DUE-9452211 Financial Manager:	NSF-Model Cmpt Lab-Math Undergrads B J Baartmans	53,290.16
	47.076 Science	E24104 Foundation:	R50772	22405	940503	DUE-9455143 Financial Manager:	NSF-Develop Visual Skill Engr Stdnt S A Sorby	27,850.55
	47.076 Science	E24108 Foundation:	R50783	24305	940503	DUE-9455143 Financial Manager:	NSF-Develop Visual Skill Engr Stdnt B J Baartmans	15,092.62

	CFDA#	Inde	x Fund	Orgn	Proposal	# Contract #	Fund Title	Amount
National	47.076 Science	E246: Foundation:	36 R50716	22405	931124	DUE-9452197 Financial Manager:	NSF-Civil Engr Materials Lab Equipm G R Dewey	8,312,50
National	47.076 Science	E2715 Foundation F	58 R80554 Fed Pas	24305	941044	61-5803 Financial Manager:	MSU-Transform Teacher Educ at MTU B J Baartmans	741.29
					55 <b>*</b> 33			113,414.12
							TOTAL FOR CFDA# 47.076	113,414.12
National	Science	Foundation F	ed Pas					
National	47.XXX Science	E2715 Foundation F	6 R80537 ed Pas	22205	9012308	61-8678/133-14 Financial Manager:	MSU-Hi Speed MFG Composite Componen J G Williams	26,049.74
		7(						26,049.74
							TOTAL FOR CFDA# 47.XXX	26,049.74
Economic	Developm	ent Administ	ration					
Economic	59.005 Developm	E2482 ent Administ	7 R50630 ration	28705	930117	SBA 930500 6410 Financial Manager:	US DEPT COMM-Small Business Institu J M Hainault	0.26-
U S Dept	of Comme	rce:						
U S Dept	59.005 of Comme		9 R50710	28705	940233	SBA 940500 6410-MOD1 Financial Manager:	USDEPTCOMM-Small Business Institute J M Hainault	634.45
U S Dept	59.005 of Comme		0 R50786	28705	940233	9505156410 Financial Manager:	USDEPTCOMM-Small Business Institute J M Hainault	1,716.98
								2,351.43
U S Small	Busines	s Administrat	tion:				(4)	
U S Small	59.005 Business	E24700 Administrat	R10539	28705		SBA 9049 MA-86 Financial Manager:	Small Bus Institute-Case Studies E J White	0.24
								0.24
							TOTAL FOR CFDA# 59.005	2,351.41

CFDA#	Index	Fund	0rgn	Proposal	# Contract #	Fund Title	Amount
U S Small Business Admi	n Fed Pa	ıss:					
59.037 U S Small Business Admi		R40577 iss:	28705	940207	Y-015672 94/95FY Financial Manager:	WAYNE STATE-Small Business Developm E J White	11,164.58
59.037 U S Small Business Admi		R40594 ess:	28705	940207A	Y-038039 Financial Manager:	Wayne State-Small Business Dev Cntr E J White	16,392.47 27,557.05
						TOTAL FOR CFDA# 59.037	27,557.05
U S Enviromental Protec	tion Age	ncy:					
66.001 U S Enviromental Protec		R10592 ncy:	22405	930733	GL995473-01-2-AMD02 Financial Manager:	EPA-Atmospheric Deposition Monitori M T Auer	28,611.58
							28,611.58
						TOTAL FOR CFDA# 66.001	28,611.58
U S Enviromental Protect	tion Age	ncy:					
66.501 U S Enviromental Protect		R50725 ncy:	22405	900713D	R819688-02-1 Financial Manager:	EPA-Cen CITT Administration J C Crittenden	418,302.82
66.501 U S Enviromental Protect		R50726 ncy:	22205	900713D	R819688-02-1 Financial Manager:	EPA-CPAS Case Study N K Kim	17,123.99
66.501 U S Enviromental Protect		R50727 ncy:	22205	900713D	R819688-02-1 Financial Manager:	EPA-CPAS Physical Properties T N Rogers	38,114.66
66.501 U S Enviromental Protect		R50728 ncy:	22405	900713D	R819688-02-1 Financial Manager:	EPA-CPAS ETDOT D W Hand	7,993.90
66.501 U S Enviromental Protect		R50729 ncy:	22205	900713D	R819688-02-1 Financial Manager:	EPA-CPAS Ranking Tool B A Barna	24,674.69
66.501 U S Enviromental Protect		R50730 1cy:	22205	900713D	R819688-02-1 Financial Manager:	EPA-CPAS Safety Evaluation D A Crowl	7,402.09
66.501 U S Enviromental Protect		R50731 icy:	22205	900713D	R819688-02-1 Financial Manager:	EPA-CPAS EFRAT D R Shonnard	16,466.06

CFDA#	Index Fu	nd 0	rgn Proposal#	Contract	# I	Fund Title	Amount
66.501	E24691 R5	0732 22	205 900713D	R819688 -	02-1	EPA-CPAS Core	
U S Enviromental Prote				Financial		B A Barna	16.743.60
66.501	E24692 R5	0733 28	305 900713D	R819688-	02-1	EPA-EMU Lab/Admin.	
U S Enviromental Prote	ction Agency	10		Financial	Manager: .	J Hwang	48,630.84
66.501	E24693 R5		405 900713D	R819688-		EPA-EMU Assessment G R Dewey	17.855.50
U S Enviromental Prote	ction Agency	<b>'</b> :		Financial		•	17,033.30
66.501	E24694 R5			R819688- Financial		EPA-Cen CITT Env. Conscious Manufac W W Olson	44.339.20
U S Enviromental Prote	ction Agency	•					,
66.501 U S Enviromental Prote	E24697 R5		205 900713D	R819688- Financial		EPA-Cen CITT-RREL Data T N Rogers	19,706.56
<del> </del>						-	
66.501 U S Enviromental Prote	E24698 R50 ction Agency			R819688- Financial	-	EPA-Cen CITT-RREL Waste Inv Factors D R Shonnard	6.672.91
	E24711 R5		405 900713B8	R819688 -	02.1	EPA-Clean Industrial Treatment Tech	
66.501 U S Enviromental Prote				Financial	-	J C Crittenden	227,686.34
66,501	E24713 R50	0608 22	205 900713B8	R819688-	02-1	EPA-CCITT	
U S Enviromental Prote	ction Agency	:		Financial	Manager: {	B A Barna	1,513.40-
66.501	E24714 R5	0609 23	805 900713B8			EPA-CCITT	407.40
U S Enviromental Prote	ction Agency	:		Financial	Manager:	V L Chiang	407.49
66.501	E24715 R5					EPA-Utilization Granular Residuals N J Hutzler	679.23
U S Enviromental Prote	ction Agency	<b>':</b>		Financial	manager:	N J nuczier	075.25
66.501	E24716 R5		705 900713B8	R819688		EPA-Foundry Mold Process CCITT K B Rundman	6.494.41
U S Enviromental Prote	•						•
66.501 U S Enviromental Prote	E24717 R5		705 900713B8	R819688- Financial		EPA-Particulate Agglomerattion CCIT S K Kawatra	4,623.31-
						EPA-CENCITT PSCC (Kim Portion E2472	
66.501 U S Enviromental Prote	E24720 R5		205 900713B8	R819688- Financial		T B Co	2,896.33-
66 601	E24722 R5	0617 22	205 <b>9</b> 0071388	R819688-	02-1	EPA-Enviromental Risk Project 1 CCI	
66.501 U S Enviromental Prote			-03 90011300	Financial		B A Barna	0.08
66.501	E24723 R5	0618 22	205 90071388	R819688-	02-1	EPA-CENCITT PSCC (Co Portion E24720	
U S Enviromental Prote				Financial	Manager: I	N K Kim	1,256.26-

CFDA#	Index Fund	0rgn	Proposa	1# Contract #	Fund Title	Amount
66.501 U S Enviromental	E24724 R50640 Protection Agency:	22405	9007130	1 R819688-02-1 Financial Manager:	EPA-ENVIRONMENTAL RISK PROJECT I-CC J C Crittenden	465,285.99
66.501 U S Enviromental	E24725 R50641 Protection Agency:	22205	900713C	I R819688·02·1 Financial Manager:	EPA-ENVIRONMENTAL RISK PROJECT I-CC B A Barna	16,874.31
66.501 U S Enviromental	E24726 R50643 Protection Agency:	22405	90071301	R819688-02-1 Financial Manager:	EPA-Combustion Residual Characteriz G R Dewey	16,241.39
66.501 U S Enviromental	E24727 R50644 Protection Agency:	22705	90071301	E R819688-02-1 Financial Manager:	EPA-Agglomeration Ultrafine Particu S K Kawatra	23,887.55
66.501 U S Enviromental	E24728 R50645 Protection Agency:	22405	900713C1	R819688-02-1 Financial Manager:	EPA-Integration Pollution Prev Mdl J R Mihelcic	19,317.19
66.501 U S Enviromental	E24729 R50646 Protection Agency:	22205	90071301	R819688-02-1 Financial Manager:	EPA-Physical Property Data Needs II M E Mullins	1,605.80-
66.501 U S Enviromental	E24731 R50666 Protection Agency:	24105	900713C1	R819688-02-1 Financial Manager:	EPA-Entegration Pollution Prevent M D R Lueking	153.49
66.501 U S Enviromental	E24734 R50748 Protection Agency:	22405	900713C1	. R819688-02-1 Financial Manager:	EPA-CenCITT Photocatalysis D W Hand	62,694.97
66.501 U S Enviromental	E24736 R50784 Protection Agency:	22705	900713C1	R819688-02-1 Financial Manager:	CenCITT - Recycling Lead Wastes C C Nesbitt	3,680.27
66.501 U S Enviromental	E24738 R50807 Protection Agency:	22405	900713	R819688-02-0 Financial Manager:	EPA - ETDOT D W Hand	733.79
66.501 U S Enviromental	E24739 R50808 Protection Agency:	22405	900713	R819688-02-0 Financial Manager:	EPA - ETDOT J R Mihelcic	1,368.98
66.501 U S Enviromental	E24740 R50809 Protection Agency:	22555	900713	R819688-02-0 Financial Manager:	EPA - ETDOT A S Mayer	592.83
66.501 U S Enviromental	E24741 R50810 Protection Agency:	22405	900713	R819688-02-0 Financial Manager:	EPA-Env Consc Constructability Tool R M Patty	4,721.58
66.501 U S Enviromental	E24748 R50817 Protection Agency:	22205	900713	R819688-02-0 Financial Manager:	EPA - EFRAT D R Shonnard	1,525.13
						1,524,476.74
					TOTAL FOR CFDA# 66.501	1,524,476.74

CFDA#	Index	Fund	0rgn	Proposal#	# Contract #	Fund Title	Amount
U S Enviromental	Protection Age	ency:					
66.505 U S Enviromental	E24735	R10657	22705	940422	CR822993-01-0 Financial Manager:	US EPA-Removal Toxins From Sediment S K Kawatra	41,653.33
						TOTAL FOR CFDA# 66.505	41,653.33
U S Dept of Energ	y:						
81.049 U S Dept of Energ		R50510	22705	861116A1	DEFG02-87ER45315A009 Financial Manager:	DOE-Gradients Diffusion Bounds Migr S A Hackney	232.65-
81.049 U S Dept of Energ		R50511	22705	861116A1	DEFG02-87ER45315A009 Financial Manager:	DOE-Gradients Tempstrain Bound Migr M R Plichta	11.028.02
81.049 U S Dept of Energ		R50512	22705	861116A1	DEFG02-87ER45315A009 Financial Manager:	DOE-Gradients Preciptate Growth Bou J K Lee	4,082.88
81.049 U S Dept of Energ		R50516	24605	921034B	DEFG02-92ER14282-A03 Financial Manager:	DOE-Struc Constrants/Metal Atoms & D R Beck	316.81
81.049 U S Dept of Energ		R50656	22705	861116A1	DEFG02-87ER45315A009 Financial Manager:	DOE-GRADIENTS DIFFUSION BOUNDS HIGR S A Hackney	12,433.62
81.049 U S Dept of Energ		R50655	22705	861116A1	DEFG02-87ER45315A009 Financial Manager:	DOE-GRADIENTS DIFFUSION BOUNDS MIGR M R Plichta	8,943.27-
81.049 U S Dept of Energ		R50654	22705	861116A1	DEFG02-87ER45315A009 Financial Manager:	DOE-GRADIENTS DIFFUSION BOUNDS MIGR J K Lee	14,384.62
81.049 U S Dept of Energ		R50686	24605	921034B	DEFG02-92ER14282-A03 Financial Manager:	DOE-Struc Constraints/Metal Atoms & D R Beck	49,238.79
81.049 U S Dept of Energ		R50719	22705	861116A1	DEFG02-87ER45315A009 Financial Manager:	DOE-Boundary Stability Conditions S A Hackney	20,810.24
81.049 U S Dept of Energ		R50720	22705	861116A1	DEFG02-87ER45315A009 Financial Manager:	DOE-Boundary Stability Conditions M R Plichta	20,840.23
81.049 U S Dept of Energ	<b>E21668</b> y:	R50721	22705	861116A1	DEFG02-87ER45315A009 Financial Manager:	DOE-Boundary Stability Conditions J K Lee	2,607.82

	CFDA#	Index	Fund	Orgn	Proposal	# Contract #	Fund Title	Amount
	81.049 of Energy:	E21671	R50820	22705	861116A1	DEFG02-87ER45315A009 Financial Manager:	DOE-GRADIENTS DIFFUSION BOUNDS MIGR S A Hackney	105.37
	81.049 of Energy Fed		R40574 u:	24105	930229	OR22072-14-AMD#01 Financial Manager:	CPBRI-Transgenic Aspen/Alfalfa RNA G K Podila	33.212.85
S Dept	81.049 of Energy Fed		R40575 u:	23805	930229	OR22072-14-AMD#01 Financial Manager:	CPBRI-Transgenic Aspen/Alfalfa RNA V L Chiang	37,747.25
	81.049 of Energy Fed		R40576 u:	23005	930229	OR22072-14-AMD#01 Financial Manager:	CPBRI-Transgenic Aspen/Alfalfa RNA D F Karnosky	7.911.82
	81.049 of Energy Fed		R40596 u:	23005	940236	OR-22072-27-MOD#01 Financial Manager:	CPBRI-Devel Male-Sterile Clones Gen D F Karnosky	19,614.77
S Dept	81.049 of Energy Fed		R80559 u:	24105	930229	OR22072-14-AMD#01 Financial Manager:	CPBRI-Transgenic Aspen/Alfalfa RNA G K Podila	7.588.71
	81.049 of Energy Fed		R80560 u:	23805	930229	OR22072-14-AMD#01 Financial Manager:	CPBRI-Transgenic Aspen/Alfalfa RNA V L Chiang	17,863.36
	81.049 of Energy Fed		R80561 u:	23005	930229	OR22072-14-AMD#01 Financial Manager:	CPBRI-Transgenic Aspen/Alfalfa RNA D F Karnosky	4,747.59
	81.049 of Energy Fed		R80538 u:	23005	940222	V51566 Financial Manager:	U OF MI-Ecosystem Responses Elevate K S Pregitzer	183.66
J S Dept	81.049 of Energy Fed		R80541 u:	23005	940223	V51573-MOD#02 Financial Manager:	MICHI-Flux Carbon between Plants & K S Pregitzer	69,268.12
	81.049 of Energy Fed		R80556 u:	23005	940222	P.O.# H85665 Financial Manager:	U of M-Ecosystem Responses Elevated K S Pregitzer	54.986.42
U S Dept	81.049 of Energy:	E33948	S90071	22705	861116A1	DEFG02-87ER45315A009 Financial Manager:	DOE - Boundary Stability Fellowship S A Hackney	33,290.18
								413,087.21
							TOTAL FOR CFDA# 81.049	413,087.21
U S Dept	of Energy:							
	81.077 of Energy:	E24629	R50519	22705	901208A	DEFG05-91ER79045-M03 Financial Manager:	DOE-Molecular Beam Epitaxy Equipmen S A Hackney	9,970.48
								9,970.48
							TOTAL FOR CFDA# 81.077	9,970.48

10/19/95 FTQ0PL18A Fund L3

#### MICHIGAN TECHNOLOGICAL UNIVERSITY Research - Summary Expense by CFDA# From 07/01/94 to 06/30/95

	CFDA#	Index	Fund	0rgn	Proposal#	Contract #		Fund Title	Amount
U S Dept	of Energy:								
U S Dept	81.087 of Energy:	E21659	R50664	22705	930138	DE-FG22-93P Financial Man		USENE-Separate Flue-Gas Scrubber Sl S K Kawatra	36,324.13 36,324.13
								TOTAL FOR CFDA# 81.087	36,324.13
U S Dept	of Energy:								
U S Dept	81.089 of Energy:	E21670	R10653	28305	930730	DE-FC21-94M Financial Man	•	USENE-Utiliz. Low Nox Coal Combust. J Hwang	246,692.89
U S Dept	81.089 of Energy:	E33973	\$90086	28305	930730	DE-FC21-94M0 Financial Mana		USENE-Coal Combustion Fellowship J Hwang	11,048.00
									257,740.89
								TOTAL FOR CFDA# 81.089	257,740.89
U S Dept	of Energy:								
	81.092 of Energy:	E21650	R50514	22555	<b>920135A</b>	LETTER 07/13 Financial Mana		DOE-In-Situ Treatment/Contamination J S Gierke	7,652.91-
	81.092 of Energy:	E21655	R50651	22555	920135A	LETTER 07/13 Financial Mana		DOE-IN-SITU TREATMENT/CONTAMINATED J S Gierke	17,071.82
·									9,418.91
								TOTAL FOR CFDA# 81.092	9,418.91
National	Park Service:								
	89.003 Park Service:	E24905	R50715	27005	930810 I	94-097 Financial Mana		NATIO ARCH-Quincy Mining Company Re T S Spence	55,364.52
									55,364.52
								TOTAL FOR CFDA# 89.003	55,364.52

10/19/95 FTQOPL18A Fund L3

### MICHIGAN TECHNOLOGICAL UNIVERSITY Research - Summary Expense by CFDA# From 07/01/94 to 06/30/95

	CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
National	Institute of	Health:						
	93.846	E22418	R50619	22605	900620A	1R15AR39940-01A2	NIH-Hyperthermia of Cell Tumors of	10 717 70
National	Institute of	Heartn:				Financial Manager:	D A Nelson	12,717.79
								12,717.79
							TOTAL FOR CFDA# 93.846	12,717.79
					3			
							GRAND TOTAL FOR CFDA'S	6,718,231.50

	CFDA#	Index	Orgn	Fund	Proposal	# Contract #	Fund Title	Amount
Federal	Highway Adminis	stration:						
Federal	N/A Highway Adminis		R10553	22405	920913B	DTFH61-93-X00001,M#2 Financial Manager:	FHWA-Tech Trsf Amer Indian Tribal G B D Alkire	5,383.56
Federal	N/A Highway Adminis	E24806 stration:	R10588	22405	920913B	DTFH61-93-X00001,M#2 Financial Manager:	FHWA-TECH TRSF AMER INDIAN TRIBAL G B D Alkire	62,870.76
Federal	N/A Highway Adminis	E24807 tration:		22405	<b>920913</b> B	DTFH61-93-X00001,M#2 Financial Manager:	FHWA-Tech Trsf Amer Indian Tribal G B D Alkire	35,321.19
						Total for		103,575.51
NASA								
NASA	N/A	E24746	R50623	22705	831016A	NAG 3-560 SUPP#11 Financial Manager:	NASA-Segregation DG Allot Solidific A Hellawell	331.06-
NASA	N/A	E24756	R50624	22505	900710A	NCC1-145 SUPL 4 Financial Manager:	NASA-Acoustic Propagation Forested J C Rogers	37.37
NASA	N/A	E24760	R50626	22555	910632A	NAG 5-1838 SUPP. 3 Financial Manager:	NASA-Spectrometry/Satellite Imagery W I Rose	12,726.45-
NASA	N/A	E24765	R10541	22555	920140A	NGT-30128-Suppl 3 Financial Manager:	NASA-Remote Sensing of Snow/Gcr Fel W I Rose	22,912.05
NASA	N/A	E24766	R10542	22605	890814A	NAG 3-1109 SUP 4 Financial Manager:	NASA-Dilution Jet Mixing of Combust S Yang	45,402.87
NASA	N/A	E24767	R10543	22405	920606A	NAG 2-820 SUPPL02 Financial Manager:	NASA-Multi Filtration Unit Design D W Hand	24,294.51
NASA	N/A	E24768	R10544	22555	910632A	NAG 5-1838 SUPP. 3 Financial Manager:	NASA-Spectrometry/Satellite Imagery W I Rose	2,602.34-
NASA	N/A	E24769	R10546	22705	911110	NAG 3-1462 YR 1 Financial Manager:	NASA-CONVEC/Partic Trans Alloy Soli A Hellawell	6,509.94
NASA	N/A	E24770	R10547	24605	920523	NAGW-3390 MOD #1 Financial Manager:	NASA-CIA of CO2 Pairs/Venus Atmosph A Borysow	2,273.02
NASA	N/A	E24771	R50649	22555	921218	NAG5-2324-SUP #2 Financial Manager:	NASA-AVHRR & Toms Imagery of Volcan W I Rose	43,672.07
NASA	N/A	E24772	R50658	28505	930201	NGT-51024-SUPL#02 Financial Manager:	NASA-Remote Sensing Zebra Mussel Gr W C Kerfoot	19,509.43
NASA	N/A	E24773	R50665	22555	930331	NGT-30174/Sup1#2-Yr3 Financial Manager:	NASA-Fate of Silicate Particles/Atm W I Rose	20,652.27

	CFDA#	Index	0rgn	Fund	Proposal	# Contract #	Fund Title	Amount
NASA	N/A	E24775	R50697	22555	910632A	NAG 5-1838 SUPP. 3 Financial Manager:	NASA-SPECTROMETRY/SATELLITE IMAGERY W I Rose	61,171.85
NASA	N/A	E24776	R10619	24605	930316	NAGW-3390 Supp.2 Financial Manager:	NASA-Model CIA CO2 Pairs/Venus Atmo A Borysow	34.331.24
NASA	N/A	E24777	R50746	22555	940418	NAGW-4088 Financial Manager:	USNAS-Volcanic Activity-Sulfur Diox G J Bluth	80.037.15
NASA	N/A	E24778	R50777	22705	911110	NAG 3-1659 Supp #01 Financial Manager:	NASA-Convec/Partic Alloy Solidiftn A Hellawell	56,970.86
NASA	N/A	E24779	R50799	22605	940933	NCC3-406 Financial Manager:	NASA-Low Emissions Combustors S Yang	16,352.60
NASA	N/A	E24780	R50803	24605	920523	NAGW-2974 ADVANCE Financial Manager:	NASA-CIA CO2 Pairs/Venus Atmosphere A Borysow	2,621.88
						Total for		421,089.26
National	Park Service:							
National	N/A Park Service:	E22707	R10536	24105	910820B	8033 A0749-92-01 Financial Manager:	NPS-Boreal Watershed/Lake Ecosystem S H Bowen	4,554.90-
National	N/A Park Service:	E22709	R10582	24105	91082081	8033 A0479-93-01 Financial Manager:	NPS-Boreal Watershed/Lake Ecosystem S H Bowen	10.399.90
National	N/A Park Service:	E22710	R10589	28505	931213	1443PX614093293 MOD1 Financial Manager:	NPS-Lake Superior Food Web/Apostle W C Kerfoot	663.34
National	N/A Park Service:	E22712	R10650	28505	931213-A	PO: 1443PX614094189p Financial Manager:	NPS-Lake Sup. Food Web-Apostle Isl. W C Kerfoot	8,963.46
National	N/A Park Service:	E22713	R10652	24105	910820	8033-0479-94-01 Financial Manager:	NPS-Boreal Watershed/Lake Ecosystem J H Adler	62,292.93
						Total for	9	77,764.73
National	Security Agenc	y:						
National	N/A Security Agenc		R10526	24305	891002A	MDA904-90-H-1026 Financial Manager:	Nat'l Sec Agy Analytical Number The S W Graham	0.01
						Total for		0.01

	CFDA#	Index	0rgn	Fund	Proposal	# Contract #	Fund Title	Amount
U S Air	Force							
U S Air	N/A Force	E21100	R10507	22205	890407	F08635-90-C-0063/M08 Financial Manager:	US AIR-Oxidation Study P00005 M E Mullins	6,757.00
U S Air	N/A Force	E21112	R10506	22405	890407	F08635-90-C-0063/M08 Financial Manager:	US AIR-Oxidation Study P00005 J C Crittenden	18,491.89
U S Air	N/A Force	E21118	R10558	28605	930110A	F19628-93-K-0020/P03 Financial Manager:	Phillips Lab-Simulating the IR Scen K R Johnson	102,354.36
U S Air	N/A Force	E21122	R10593	22405	930912	F0863794M6005 Financial Manager:	USAIR-Catalytic Oxid Trich/Ambercat D W Hand	3,167.38
U S Air	N/A Force	E21135	R10670	22405	930912	F0863795M6006 Financial Manager:	USAIR-Catalytic Oxid Trich/Ambercat D W Hand	2,751.72
						Total for		133,522.35
U S Army	,							
U S Army	N/A	E20486	R10655	28605	940704	DAAE07-94-C-R123/P02 Financial Manager:	TACOM-Track/Suspension Surge Contr. M D Osborne	32,022.92
U S Army	N/A	E20487	R10656	28605	940719	DAAE07-93-G-R001/005 Financial Manager:	TACOM-Acoustic Noise Cancellation J C Rogers	65,332.88
U S Army	N/A	E20488	R10663	28605	941102	DAAE07-93-G-R001/D06 Financial Manager:	USARM-Mobility Improvement Device M D Osborne	47,109.33
U S Army	N/A	E20589	R10666	22705	940811	DAAL01-95-M-S184 Financial Manager:	USARM-Develop W-Hf-Ti Composites B J Pletka	7,523.92
U S Army	N/A	E21127	R10658	28605	941035	DAAC79-94-P-4313/P01 Financial Manager:	USARM/T-130 Bushing Endurance Test G R Simula	7,550.50
						Total for		159,539.55
U S Army	Research Office	e:						
U S. Army	N/A Research Office		R50756	22705	940343 I	DAAH04-94-G-0315-P03 Financial Manager:	USARM-Mechanical Alloy Processing T H Courtney	60,481.47
						Total for		60,481.47

CFDA#	Index	0rgn	Fund	Proposal	# Contract #	Fund Title	Amount
U S Bureau of Mines:							
N/A U S Bureau of Mines:	E20376	R10537	22605	920724B	P3331489 Financial Manager:	USBM-Diesel Exhalust Analysis GC/FI L D Gratz	589.66-
N/A U S Bureau of Mines:	E20377	R10590	22605	920724B1	P3340193 Financial Manager:	USBM-Diesel Exhaust Analysis GC/FID L D Gratz	87.60-
N/A U S Bureau of Mines:	E20378	R10616	22605	920724B2	PO: 3341380 Financial Manager:	USBM-Diesel Exhaust Analysis GC/FID L D Gratz	2,569.93
N/A U S Bureau of Mines:	E20379	R10645	22805	940534	P0241054 Financial Manager:	USBM-Cmpt.Programming/Analysis Serv R Greuer	3,332.00
N/A U S Bureau of Mines:	E20381	R10665	22805	950243	P.O.# 255051 Financial Manager:	USBM-Upgrade MFIRE Program R Greuer	6,079.29
N/A U S Bureau of Mines:	E33950	S90073	22805	940534	P0241054 Financial Manager:	USBM-Cmpt. Program./Analysis Fellow R Greuer	8,168.00
					Total for		19,471.96
U S Cold Regions Resear	ch Eng L	ab:					
N/A U S Cold Regions Resear	E20587 ch Eng L		28605	941224	DACA89-95-M-0302/P01 Financial Manager:	CRREL-Snow Block Production R G Alger	23,637.00
N/A U S Cold Regions Resear		R10661 ab:	28605	941216	DACA89-95-M-0258 Financial Manager:	CRREL-Snow Deformation Experiments M D Osborne	7,997.85
N/A U S Cold Regions Resear		R10668 ab:	28605	950323	DACA89-95-M-0525 Financial Manager:	USARM(CRREL)-Snow Sinkage Test R G Alger	22,932.33
					Total for		54,567.18
U S Dept of Commerce :							
N/A U S Dept of Commerce :	E24831	R10673	24107	950414	015WCA90055 ADVANCE Financial Manager:	USCOM-Develpmnt/Mining L. Superior W C Kerfoot	159.51
					Total for		159.51
U S Dept of Energy:							
N/A U S Dept of Energy:	E21601	R10580	22555	920821	DEAC22-93BC14892-M02 Financial Manager:	DOE-Master Reservoir Parameters EOR J R Wood	345,403.21

The accompanying notes are an integral part of these financial statements.

CFDA#	Index	Orgn	Fund	Proposa1	# Contract #	Fund Title	Amount
N/A U S Dept of Energy:	E21602	R10581	28305	920821	DEAC22-93BC14892-M02 Financial Manager:	DOE-Master Reservoir Parameters EOR J Hwang	56,270.00
N/A U S Dept of Energy:	E21603	R10583	28305	931025A	DEFC07-93ID13231-A02 Financial Manager:	DOE-Alternative Granular Molding Me J Hwang	9,348.67-
N/A U S Dept of Energy:	E21664	R10628	22555	930123	DE-FC22-94BC14983 Financial Manager:	USENE - Oil Recov-Dundee Formation J R Wood	309,220.39
N/A U S Dept of Energy:	E21665	R10629	28305	930123	DE-FC22-94BC14983 Financial Manager:	USENE - Oil Recov-Dundee Formation J Hwang	70,918.27
N/A ช S Dept of Energy:	E33984	S90068	22555	930123	DE-FC22-94BC14983 Financial Manager:	USENE - 011 Recov-Dundee Fellowship J R Wood	12,431.67
					Total for		784,894.87
U S Forest Service:							
N/A U S Forest Service:	E20232	R10533	23005	900519A	R910-CS-93-016 B Financial Manager:	USDA-Wetlands Eco Classification Sy M R Gale	3,316.71
N/A U S Forest Service:	E20233	R50637	24105	930206	R910-CS-93-018 Financial Manager:	USDA-Inv Limestone Rocks/Hartstongu J M Glime	824.46
N/A U S Forest Service:	E20243	R10578	23805	921227	FP-93-2022 Financial Manager:	USDA-Eval Timber Bridge Preservativ P E Laks	22,351.97
N/A U S Forest Service:	E20244	R10585	23005	900519A	R910-CS-93-016 B Financial Manager:	USDA-WETLANDS ECO CLASSIFICATION SY M R Gale	534.85
N/A U S Forest Service:	E20251	R10624	23805	931027	FP-94-2288 Financial Manager:	USDA-Economics of Timber Bridges Z Wang	38,795.99
N/A U S Forest Service:	E20252	R10626	23005	900519A	R910-CS-93-016 B Financial Manager:	USDA-WETLANDS ECO CLASSIFICATION SY M R Gale	46,233.69
N/A U S Forest Service:	E20255	R10633	24805	940618	43-54B0-4-0128/Sub01 Financial Manager:	USFS-Archeol. CollHiawatha Nat'l. S R Martin	1,506.39
N/A U S Forest Service:	E20260	R10651	23005	910824	53-43ZP-1-84-MOD01 Financial Manager:	USDA-Advanced Studies Silviculture G D Mroz	37,255.70
N/A U S Forest Service:	E20265	R10671	23005	950225	R910-CS-95-033 Financial Manager:	USAGR-LTA Analysis Eastern U.P. J Chen	1,046.28
N/A U S Forest Service:	E20266	R10672	23005	950503		USDA-Hiawatha Nat'l Ecosystem Class M R Gale	26.125.87

CFDA#	Index	Orgn	Fund	Proposal	# Contract #	Fund Title	Amount
N/A U S Forest Service:	E21956	R10534	24805	820116A	PO# 40-54A720024 Financial Manager:	USFS Process-Permanent Curation Art S R Martin	1.409.65
N/A U S Forest Service:	E21981	R10535	23005	870306C	INT-92671-RJVA-AMD06 Financial Manager:	USFS-Master-Soil Organic Matter & N M F Jurgensen	40.463.54
N/A U S Forest Service:	E21984	R10573	23005	870306C	INT-92671-RJVA-AMD06 Financial Manager:	USFS-Master-Soil Organic Matter & N M F Jurgensen	5,495.35-
					Total for		214,369.75
U S Geological Survey:			ā.				
N/A U S Geological Survey:	E23011	R10669	22405	950250	1434CR-95-SA-0941 Financial Manager:	USGEO-Collection Data on Pesticides M T Auer	1,810.10
					Total for		1,810.10
U S Navy							
N/A U S Navy	E21120	R10561	24105	930508	N6422392IPA0010-MOD1 Financial Manager:	US Navy-NMRI Study Cellular Communi M R Gretz	64,763.51
					Total for		64,763.51
U S Office of Naval Research:							
U S Office of Naval Res	earch:						
U S Office of Naval Res N/A U S Office of Naval Res	E21092	R50520	22505	881015A	N00014-91-J-1953/P07 Financial Manager:	ONR-Basic Theory of Crystal Decompo A B Kunz	123.195.83
N/A	E21092 earch: E21126	R50520 R10654		940825			123,195.83 8,949.46
N/A U S Office of Naval Res N/A	E21092 earch: E21126			940825	Financial Manager: N00173-94-P-A182	A B Kunz  NAVAL-Detection of coded MSK Bursts	
N/A U S Office of Naval Res N/A	E21092 earch: E21126 earch:			940825	Financial Manager: N00173-94-P-A182 Financial Manager:	A B Kunz  NAVAL-Detection of coded MSK Bursts	8.949.46
N/A U S Office of Naval Res N/A U S Office of Naval Res	E21092 earch: E21126 earch: mand:		22505	940825 920501A	Financial Manager:  N00173-94-P-A182 Financial Manager:  Total for  DAAE07-90-GR001 D016	A B Kunz  NAVAL-Detection of coded MSK Bursts	8.949.46
N/A U S Office of Naval Res N/A U S Office of Naval Res U S Tank-Automotive Com	E21092 earch: E21126 earch: mand: E20459 mand: E20461	R10654	22505	940825 920501A 910411A	Financial Manager:  N00173-94-P-A182 Financial Manager:  Total for  DAAE07-90-GR001 D016	A B Kunz  NAVAL-Detection of coded MSK Bursts J O Coleman  TACOM-Acoustic Data Acquisition Sys	8,949.46 132,145.29

CFDA#	Index	Orgn	Fund	Proposal	# Contract #	Fund Title	Amount
N/A U S Tank-Automotive	E20465 Command:	R10516	28605	910629A1	DAAE07-90-GR001 D013 Financial Manager:	TACOM-Master-CM Signal Processing M J C Rogers	96,707.39
N/A U S Tank-Automotive	E20470 Command:	R10518	28605	910317A2	DAAE07-90-GR001 D008 Financial Manager:	TACOM-Cattb&Istb Fab &Prism Upgrade A R Curran	0.13-
N/A U S Tank-Automotive		R10519	28605	920516A	DAAE07-92-C-R083-A01 Financial Manager:	TACOM-Matrix Comp Track Shoe Dsgn G R Simula	25.979.06
N/A U S Tank-Automotive		R10550	28605	930220A1	DAAE07-93G-R001-D002 Financial Manager:	TACOM - Prism Target Database A R Curran	304,015.75
N/A U S Tank-Automotive		R10566	28605	930731	DAAE07-93-GR001 D003 Financial Manager:	TACOM-T130 Bushing qualification D G R Simula	2,167.06-
N/A U S Tank-Automotive		R10571	28605	930418	DAAE07-93-C-R147/P01 Financial Manager:	TACOM-ABS/TC Development M D Osborne	257,512.08
N/A U S Tank-Automotive		R10570	28605	930707	DAAE07-93-C-R143 Financial Manager:	TACOM-Bushing Spec & Qualification G R Simula	227,043.67
N/A U S Tank-Automotive	E20480 Command:	R10617	22505	930220A1	DAAE07-93G-R001-D002 Financial Manager:	TACOM-Prism Target Database T J Schulz	15,741.07
N/A U S Tank-Automotive		R10621	28605	930621	DAAE07-94-C-R058/P01 Financial Manager:	TACOM-Ausforming Ductile Cast Iron G R Simula	42,776.23
N/A U S Tank-Automotive		R10622	22705	930621	DAAE07-94-C-R058/P01 Financial Manager:	TACOM-Ausforming Ductile Cast Iron K B Rundman	139,323.77
N/A U S Tank-Automotive	E20484 Command:	R10631	28605	930220A1	DAAE07-93G-R001-D002 Financial Manager:	TACOM_Prism Target Database A R Curran	7,365.48
N/A U S Tank-Automotive		R10648	24605	940342	DAAE07-94-C-R098 Financial Manager:	TACOM-Detect Cesium-Metal Beryllium J Borysow	137,358.19
N/A U S Tank-Automotive	E20557 Command:	R1 <del>0</del> 520	28605	880803A	DAAE07-87-GR004 D014 Financial Manager:	TACOM-Track Pad Field Mod & Tests M D Osborne	0.01-
N/A U S Tank-Automotive		R10523	28605	890419B	DAAE07-89-CR071 MOD9 Financial Manager:	TACOM-Dsgn & Fab Track Components G R Simula	224,266.79
N/A U S Tank-Automotive (		R10563	22605	930318	DAAE07-93-C-R078/M03 Financial Manager:	TACOM-ADVANCE ACCT-2 Stroke Engine D L Abata	109,834.42
N/A U S Tank-Automotive (		R10576	22605	930318	DAAE07-93-C-R078/M03 Financial Manager:	TACOM-ADVANCE ACCT-2 Stroke Engine P Cho	38,716.03
N/A U S Tank-Automotive (		R10577	22605	930318	DAAE07-93-C-R078/M03 Financial Manager:	TACOM-ADVANCE ACCT-2 Stroke Engine C D Van Karsen	38,783.70

10/18/95 FTQOPL18C fund L3

# MICHIGAN TECHNOLOGICAL UNIVERSITY Summary Expense by Agency From 07/01/94 to 06/30/95

CFDA#	Index	0rgn	Fund	Proposal#	Contract #	Fund Title	Amount
N/A U S Tank-Automotive Com	E20578 mmand:	R10591	28705	931209	AR-00-2685 Financial Manager:	TACOM-Michigan Automotive Institute E J White	1.17
N/A U S Tank-Automotive Com	E20580 mand:	R10638	28605	940323	DAAE07-94-C-R071-P01 Financial Manager:	TACOM-Fuzzy Logic Control Algorithm G R Simula	200,631.16
N/A U S Tank-Automotive Com	E20581 mand:	R10639	22605	940323	DAAE07-94-C-R071-P01 Financial Manager:	TACOM-Fuzzy Logic Control Algorithm A R Kashani	58,896.92
N/A U S Tank-Automotive Com	E20583 mand:	R10647	28605	940602	DAAE07-93-G-R001-M02 Financial Manager:	TACOM-Thermal Radar Signature Red. R A Haase	94,087.31
N/A U S Tank-Automotive Com	E20584 mand:	R10649	28705	940815 F	IPA Dated 07/06/94 Financial Manager:	TACOM-Michigan Automotive Institute E J White	50,591.86
					Total for		1,999,210.36
						GRAND TOTAL	4,227,365.41

CFD <del>A#</del>	Index Fund	0rgn	Proposal# Contract #	Fund Title	Percent	Amount
Dept of Defense Fed Pa	ss Thru:					
N/A Dept of Defense Fed Pa	E28775 R40563 ss Thru:	28605	930618A PO 43353 Financial Manager:	Wagner Casting-Cadi Tr G R Simula	100.0	57,369.73
						57,369.73
Dept of Interior Fed Pa	ass Thru:					
N/A Dept of Interior Fed Pa	E27016 R40611 ass Thru:	24805	931136 S95-337 Financial Manager:	MICHI-Historical-Era M T S Reynolds	ining Sites 100.0	6,731.90
N/A Dept of Interior Fed Pa	E28566 R40533 ass Thru:	22705	891111B 83126 Financial Manager:	Univ-Utah-Change of Me S K Kawatra	100.0	16,065.02
						22,796.92
NASA Fed Pass Thru:						
N/A NASA Fed Pass Thru:	E25150 R40584	22505	940139 Subcontract 15 Financial Manager:	272 AURA-Image Restoration T J Schulz	Hubble Scope 100.0	15,830.00
N/A NASA Fed Pass Thru:	E25224 R40518	28705	920907A 37287(2166)-21 Financial Manager:	76-M03 BATTELLE-NASA GLITEC A E J White	FFILIATION 100.0	152.23
N/A NASA Fed Pass Thru:	E25226 R40559	28705	920907A 37287(2166)-21 Financial Manager:	76-M03 BATTELLE-NASA GLITEC A E J White	FILIATION 100.0	19,616.83
N/A NASA Fed Pass Thru:	E25229 R40589	28705	940501 P.O.# 81034-1 Financial Manager:	BATTE-Technology Access	s Prod. Inov. 100.0	30,622.33
N/A NASA Fed Pass Thru:	E26545 R40535	22405	930101 NAS8-38250-18-9	5 M#5 ION-Space Station Multi D W Hand	filtration M 100.0	830.60-
N/A NASA Fed Pass Thru:	E26546 R40583	22205	930232 NAS8-38250-18-1 Financial Manager:	MOD#06 IONEL-SSF Water Oxidati M E Mullins	on Reactor 100.0	87,046.37
N/A NASA Fed Pass Thru:	E26547 R40582	22405	940431 NAS8-38250-27-1 Financial Manager:	40D#04 ION-Analytical Space St D W Hand	ation 100.0	349,794.93
N/A NASA Fed Pass Thru:	E25320 R40590	24605	940303 #000960081 Financial Manager:	JETPR-Surf. Conductivit J F Cordaro	y Discharge 100.0	2.444.18
N/A NASA Fed Pass Thru:	E28615 R40537	22555	920406A CH-1107 MOD#01 Financial Manager:	UNIV HAWAII-VOLCANIC HA	ZARD & INPUT 100.0	3,059.40

10/18/95 FTQOPL18B Fund L3

# MICHIGAN TECHNOLOGICAL UNIVERSITY Pass Through Grants and Contracts Expense Summary From 07/01/94 to 06/30/95

*******	CFDA#	Index	Fund	0rgn	Proposal#	Contract #		Fund Title	Percent	Amount
NASA Fed	N/A Pass Thru:	E28636	R40610	22555	920406A Financi	CH-1107 Mod 4 al Manager:	WIF	UNIV HAWAII-VOLCANIC HAZARD Rose	& INPUT 100.0	5,844.30
NASA Fed	N/A Pass Thru:	E28637	R40579	22555	920406A Financi	CH-1107 Mod 4 al Manager:	WIF	UNIV HAWAII-VOLCANIC HAZARD Rose	100.0	17,761.69
										531,341.66
NOAA Fed	Pass Thru:									
NOAA Fed	N/A Pass Thru:	E24111	R40599	22555		UCAR S95-54356 al Manager:	WIR		oud Mvmt 100.0	2,189.88
										2,189.88
THERM-Rec	cov Coherent Sp	eckle Im	ages							
	N/A cov Coherent Sp		R40593 ages					THERM-Recov Coherent Speckle Schulz	Images	5,040.44
										5,040.44
U S Air F	Force Fed Pass 1	Thru:								
	N/A Force Fed Pass 1	E28355 Thru:	R40542	28305		Consl Agrm 01/93 al Manager:		TASC-DRA Production Scale-up	-Tech J 100.0	685.25-
	N/A Force Fed Pass 1	E25817 Thru:	R40595	22505	941037 Financia	346450SC/346450 al Manager:		ERIM-Adv Reconstruction Algo	rithms 100.0	21,953.70
	N/A Force Fed Pass 1	E28328 Thru:	R40586	22405	940522 Financia	940522 al Manager:	NJH	SUPER-Electrocatalytic Destr	uction 100.0	22,165.32
									į	43,433.77
U S Army	Fed Pass Thru:									
	N/A Fed Pass Thru:	E26248	R40521	28605	920322A Financia	WPG007332 AMD #2 al Manager:		Gen Dyn-NBC Precooler Flange imula	Analys 100.0	69.54-
	N/A Fed Pass Thru:	E26253	R40543	28605	920322A Financia	WPG007332 AMD #2 al Manager:	: JCR	Gen Dyn-NBC Precooler Flange ogers	Analy 100.0	2,766.87-
	N/A Fed Pass Thru:	E27950	R40581	28605				RAYTHEON-Target Models Facet urran	ized 100.0	4.96-

	CFDA#	Index	Fund	0rgn	Proposal#	Contract #		Fund Title	Percent	Amount
U S Army	N/A Fed Pass Thru:		R40580	28605	921124B Financi	44948/43353 al Manager:	GR	WAGNER-Iron Prototype Simula	100.0	177.728.97
										174,887.60
U S Army	Research Offic	e Fed Pa	ss:							
U S Army	N/A Research Offic		R40539 ss:	28605		TCN93166 DO#0 al Manager:		Battelle-Grd Veh Acous Rogers	tics Sgn1 93 100.0	993.10
										993.10
U S Dept	of Commerce Fe	d Pass Ti	hru:							
U S Dept	N/A of Commerce Fed		R40547 hru:	28505	930304 Financia	F95115 al Manager:	W C	MICHI-Remote Sensing of Kerfoot	F Zebra Musse 100.0	78,250.78
U S Dept	N/A of Commerce Fed		R40546 hru:	24105	920812 Financia	PO# F95115 - al Manager:		MICHI-Climate Effects H Bowen	learing Recru 100.0	58,249.63
U S Dept	N/A of Commerce Fed		R40545 1ru:	23005	920812 Financia	PO# F95115 -   al Manager:		MICHI-Climate Effects H Maclean	learing Recru 100.0	40,838.33
U S Dept	N/A of Commerce Fed		R40565 nru:		930304 Financia	F95115 al Manager:	A L	MICHI-Remote Sensing of Maclean	Zebra Musse 100.0	26,487.51
										203,826.25
U S Dept	of Energy Fed F	Pass Thru	<b>i</b> :							
	N/A of Energy Fed P	E25233 Pass Thru		22605		307458-AJB 1 Manager:	JB	Battelle-Phytomechanics Ligon	Transducers 100.0	1,030.99
	N/A of Energy Fed P	E25494 Pass Thru		22555		P.O.#317350-Al 1 Manager:	1D#01 JR1	Columbial Univ Recovery Wood	Technologie 100.0	94,485.91
	N/A of Energy Fed P	E25522 Pass Thru		28305		USA 94002-035 1 Manager:		Custom Coals-Analyzing Hwang	Coal Samples	29,689.59
	N/A of Energy Fed P	E25855 Pass Thru		23805		C86-101111/BW 1 Manager:		EG&G IDAHO/Co-Op Develo AcGinnis	pment Proj. 100.0	12,287.00
	N/A of Energy Fed P	E26874 ass Thru		28705		19X-SF535V MOC 1 Manager:		Martin Marietta-Univ/In White	d Brokering 100.0	5,365.73

	CFDA#	Index	Fund	0rgn		Contract #		Fund Title	Percent	Amount
U S Dept	N/A of Energy Fed		R40527 'u:	28705	921114A Financi	19X-SM272V al Manager:	EJW	Martin Marietta-St Outreadhite	ch Initiat 100.0	3,573.80
U S Dept	N/A of Energy Fed	E28157 Pass Thr		24605	930133A Financi	AE-8789 AMD01 al Manager:	DJK	Sandia Natl Labs-Defects Neeble	Pzt Films 100.0	311.17
U S Dept	N/A of Energy Fed	E28160 Pass Thr		24605		AJ-0473-AMD.#02 al Manager:		SANDIA-Defect Lead Zircon eeble	ium Titana 100.0	20,536.83
U S Dept	N/A of Energy Fed	E28640 Pass Thr		22605	940504 Financi	942082403 MOD01 al Manager:		UNIV CHIC/Piston Heat Tnsi	r Engine 100.0	23,041.63
U S <b>Dept</b>	N/A of Energy Fed				920414 Financi	SUB#ICCI 92-08 al Manager:		Univ So Ill- Gypsum/Limest awatra		5,447.97-
										184,874.68
U S Dept	of Labor Feder	ral Pass	Thru							
U S Dept	N/A of Labor Feder		R40500 Thru	26005	860708B Financia	FY93 Agrmt al Manager:		MI Dept Labor-Mine Safety Ider	Training 77.0	1,238.24-
U S Dept	N/A of Labor Feder		R40557 Thru			FY 93 Advance al Manager:	DGA	MI Dept Labor-Mine Safety lder	Training 80.0	22,804.83
U S Dept	N/A of Labor Feder			22805	860708 Financia	FY95 AGRMT 10/0 al Manager:		MILAB-Mine sfty/Hith trng. arison	Program 81.0	69,233.56
										90,800.15
U S Envi	romental Prot A	gcy Fed I	Pass							
U S Envi	N/A romental Prot A		R40602 Pass		930617 Financia	SUB #1995-18 al Manager:		OKLA U./EPA-Extracting Con	taminants 100.0	13,374.05
U S Envi	N/A romental Prot A		R40603 Pass		•	SUB #1995-18 al Manager:	J S G	OKLA U./EPA-Extracting Con ierke	100.0	32,479.70
										45,853.75
U S Navy	Fed Pass Thru:									
U S Navy	N/A Fed Pass Thru:		R40524	23005	870141B Financia	D06205-93-001-L al Manager:		IITRI-Ecological Monitorin roz	g Plant C 100.0	3,087.68

	CFDA#	Index	Fund	Orgn	Proposal#	Contract #		Fund Title	Percent	Amount
U S Navy	N/A Fed Pass Thru:		R40525	23005	870140C Financi	D06205-93-002-L al Manager:		IITRI-Litter Decompos ickens	ition & Microf 100.0	2,838.72
U S Navy	N/A Fed Pass Thru:		R40553	23005	870141C Financi	D06205-93-C-001 al Manager:	MOD6 G D M	IITRI-Ecological Moni roz	toring Plant C 100.0	96,486.37
U S Navy	N/A Fed Pass Thru:		R40554	23005		D06205-93-C-002 al Manager:		IITRI-Litter Decomposickens	ition & Microf 100.0	28,499.80
U S Navy	N/A Fed Pass Thru:		R40508	24105	920828A Financi	LWF-62-278-0560 al Manager:		Univ NBR-MASTER Marine retz	e Diatom & Sub 100.0	1.980.70
11 C Cm211	l Business Admi	n Ead Da								132,893.27
U S SMail	i business Admi	n red ra	55:							
U S Small	N/A I Business Admi		R40569 ss:	28705	930153A Financi	Y-010742 94/95 al Manager:	FY E J W	WAYNE STATE-Small Busi hite	iness Developm 100.0	18,379.52
U S Small	N/A   Business Admi		R40592 ss:	28705		Y-035585 al Manager:	E J W	WAYNE STATE-Smail Busi nite	100.0	66,221.75
										84,601.27
U S Tank	Automotive Com	mand Fed	Pas							
U S Tank	N/A Automotive Com		R40519 Pas	28605	930230 Financi	CAT INC RD 90-0 al Manager:		Caterpillar-MK48 Mobil sborne	Trac System	1,557.75-
U S Tank	N/A Automotive Com		R40572 Pas	28605	930823 Financia	SUB 509-W-0012/ al Manager:	MOD#3 KRJo	UNITE-United Defense ( Ohnson	(FMC) 100.0	41,581.06
U S Tank	N/A Automotive Com		R40585 Pas	28605	940708 Financia	PO # 473M0164 al Manager:	A R C	UNITED DEF-Debugging M urran	12A2 Engine 100.0	6,536.07
U S Tank	N/A Automotive Com		R40567 Pas	28605	931219 Financia	050114 al Manager:	G R S	VSE CORP-T1571 CADI Fa imula	nilure Analysi 100.0	208.99
										46,768.37
UPSTA-Car	nnonsville Rese	rvoir Wat	ter							
UPSTA-Car	N/A nnonsville Rese		R40612 ter	22405	950425 Financia	ADVANCE ACCOUNT al Manager:	M T A	UPSTA-Cannonsville Res uer	servoir Water 100.0	6,946.03

CFDA#	Index	Fund	0rgn		Contract #	Fund Ti		Percent	Amount
UPSTA-Cannonsville Reso		R40613 ater	24105	950441 Financi	ADVANCE ACCOUNT al Manager:	T UPSTA-C S T Bagley	annonsville Reservoi	Water 100.0	5,458.96
									12,404.99
Various Federal Depts	Fed Pass	Thru							
N/A Various Federal Depts I		R40541 Thru	28505	930231 Financi	AGRMT 09/07/94 al Manager:	GLFC-Tro	opic Eco/Sea Lamprey	Ammocet 88.0	38,685.62
									38,685.62
							TOTAL FOR R4 FUNDS		1,678,761.45
Dept of Transportation	Fed Pass	:•							
					"				
N/A Dept of Transportation		R80536	22605	930802 Financi	P.O.# V44184-AM al Manager:	IDO1 MICHI-DI W W Olson	fferential Braking/S	100.0	28,272.00
N/A Dept of Transportation		R80546	22605	930802 Financi	P.O.# V44184-AM al Manager:	DO1 MICHI - W W Olson	Dynamic Modeling-Sno	w Plows 100.0	21,019.00
N/A Dept of Transportation		R80547	28605	930802 Financi	P.O.# V44184-AM al Manager:	DO1 MICHI - M D Osborne	Dynamic Modeling-Sno	w Plows 100.0	14,029.00
									63,320.00
NASA Fed Pass Thru:									
N/A NASA Fed Pass Thru:	E28568	R80564	36001	941146 Financia	G56304 al Manager:	Univ Mic C S Anderson	h-NASA Quality Funct	ion Dep	5.432.86
MASA reu rass iniu.				T HIGHCI	ar nanager.	C 5 AIRCI SOII		100.0	5.432.86
									5,432.00
U S Air Force Fed Pass	inru:								
N/A U S Air Force Fed Pass		R80525	28305	921219A7 Financia	Consl Agrmt 01/ al Manager:	93 TASC-Dra M G McKimpson	Production Scale-up	-Tech J 100.0	864.65
N/A U S Air Force Fed Pass	E28357 Thru:	R80526	28305	921219A7 Financia	Consl Agrmt 01/ al Manager:	93 TASC-DRA M G McKimpson	Production Scale-up	Tech A 100.0	235.26
N/A U S Air Force Fed Pass	E28358 Thru:	R80527	28305	921219A8 Financia	CONSL AGRMT 01/ al Manager:	93 TASC-DRA M G McKimpson	Production Scale-up	Tech S 100.0	310.45-

CFDA#	Index	Fund	Orgn	Proposa1#		Fund Tit	tle Percent	Amount
N/A U S Air Force Fed Pass		R80528	28305	921219A9 Financi	Consl Agrmt 01/ al Manager:	93 TASC-DRA M G McKimpson	A Production Scale-up Tech 0 100.	
N/A U S Air Force Fed Pass		R80529	28305		NOV & DEC 1993 al Manager:	TASC-DRA M G McKimpson	A Production Scale-Up-Tech 1 100.	
N/A U S Air Force Fed Pass		R80535	28305		Jan & Feb 1994 al Manager:	TASC-DRA M G McKimpson	A Production Scale-Up-Tech 2 100.	
N/A U S Air Force Fed Pass		R80540	28305		Mar Thru Oct 94 al Manager:	TASC-DRA M G McKimpson	A Prodction Scale-Up-Tech 10 121.	
N/A U S Air Force Fed Pass		R80551	28305	921219 Financi	LETTER 7/06/95 al Manager:	TASC-DRA M G McKimpson	A Scale-Up Tech Support '95 100.	0 36,840.21
								64,876.69
U S Dept of Energy Fed	Pass Thr	u:		E) ))				
N/A U S Dept of Energy Fed		R80543 u:	23805	930704 Financi	CGLG-93-025 al Manager:	GREAT LA G D McGinnis	AKES GOVWood Ash Test/Anal 100.	70,116.45
N/A U S Dept of Energy Fed		R80550 u:	22705		Subgrant ICCI 9 al Manager:	4-05 ICCI-Inc S K Kawatra	organic Pellet Bndrs/Fly Ash 100.	
								137,999.08
U S Enviromental Prot A	gcy Fed I	Pass						
N/A		R80521		900619A	90-168-AMD4		Atmospheric Deposition Moni	
U S Enviromental Prot A	gcy Fed 1	Pass		Financi	al Manager:	M T Auer	100.	
								737.12-
U S Forest Service Fed	Pass Thr	<b>u</b> :						
N/A	E26450	R80539	23005	94022BA	LETTER 030794 A	G HURON-Hu	uron Pines RC&D Pine Type Su	
U S Forest Service Fed	Pass Thr	u:		Financi	al Manager:	D D Reed	≅ 100.	0 2,370.13
								2,370.13
							TOTAL FOR R8 FUNDS	273,261.64

10/18/95 FTQ0PL18B Fund L3

# MICHIGAN TECHNOLOGICAL UNIVERSITY Pass Through Grants and Contracts Expense Summary From 07/01/94 to 06/30/95

	CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund	Title	Percent	Amount
U S Navy	Fed Pass Thru:									
U S Navy	N/A Fed Pass Thru:		S10064	24105	920828A Financia	LWF-62-278-05602 al Manager:	2 UNIVE M R Gretz	NBR-Training Fellowshi	ips 100.0	15,411.02 15,411.02
								TOTAL FOR S1 FUNDS		15,411.02
U S Dept	of Commerce Fe	d Pass T	hru:							
U S Dept	N/A of Commerce Fe		S90064 hru:	28505	930304 Financia	F95115 al Manager:	MICHI W C Kerfoot	-Remote Sensing of Zebr	a Musse 100.0	14,167.00
								TOTAL FOR S9 FUNDS		14,167.00
								GRAND TOTAL		1,981,601.11

# MICHIGAN TECHNOLOGICAL UNIVERSITY Student Financial Aid - Summary Expense by CFDA# From 07/01/94 to 06/30/95

CFDA#	Grantor ID#	Index	Fund	0rgn	Proposal	# Contract #	Fund Title	Amount
10.210	USAGR0015	E20208	\$10057	28210	910221A	91-38420-6112 Financial Manager	USDA-GRA Fellowship Areas of Natl N : W H Campbell	11,922.00-
							TOTAL FOR CFDA# 10.210	11,922.00-
47.076		E33260	\$10001	22649		Financial Manager	Fellowships :	8,122.66
							TOTAL FOR CFDA# 47.076	8,122.66
84.033		E32722	\$90040	34002		Financial Manager	DOE-Campus Work Study : T T Malette	311,185.15
							TOTAL FOR CFDA# 84.033	311,185.15
84.063		E30715	\$90025	34002		Financial Manager	DOE-Pell Grant Scholarships : T T Malette	1,776,024.00
							TOTAL FOR CFDA# 84.063	1,776,024.00
84.066		E32720	\$90030	34002		Financial Manager	DOE-SEOG T T Malette	370,543.00
							TOTAL FOR CFDA# 84.066	370,543.00
84.200	USEDU0002	E24857	S10055	22801	901015A	P200A10121 AMD0 Financial Manager		776.66
84.200	USEDU0002	E24859	\$10053	22601	901012A	P200A10123 AMD0 Financial Manager		89.64
84.200		E32982	S10060	22801		P200A10121 AMD		29,780.09
84.200		E32983	\$10058	22401		P200A10122 AMD Financial Manage		25,048.36
84,200		E32984	\$10059	22601		P200A10123 AMD Financial Manage		4,823.77
							TOTAL FOR CFDA# 84.200	50,870.98
84.242		E30716	S90026	34002		Financial Manage	DOE-Natl Science Scholars Prog r: T T Malette	11.934.00
							TOTAL FOR CFDA# 84.242	11,934.00

10/18/95 FTQOPL18A1

# MICHIGAN TECHNOLOGICAL UNIVERSITY Student Financial Aid - Summary Expense by CFDA# From 07/01/94 to 06/30/95

CFDA# Grantor ID# Index Fund Orgn Proposal# Contract # Fund Title Amount

GRAND TOTAL FOR CFDA's 2.516.757.79

10/18/95 FTQOPL18C2

# MICHIGAN TECHNOLOGICAL UNIVERSITY Student Financial Aid - Summary Expense by Agency From 07/01/94 to 06/30/95

CFDA#	Grantor ID#	Index	Fund	0rgn	Proposal#	Contract	#	Fund Title	Amount
	MIEDU0005	E32517	S20005	36001		77149440 Financial		MI DOE-4S Grant - Project Rise C S Anderson	56,881.69
	MIEDU0005	E32519	S20003	36001	920241 F	9223 Financial	Manager:	MI DOE-4S Grant/Up Faculty Forums C S Anderson	11.903.47
		E32521	S20024	24301	F	Financial	Manager:	Project Rise-Math ENV ENGRG K A Godbole	13,337.50
		E32986	S10066	22401	F	Financial	Manager:	Indian Fellowship Awd-Civil-Mcnally J R Mihelcic	18,135.68
		E33162	\$10002	22402	F	Financial	Manager:	FELLOWSHIP-MCNALLY-CIVIL	92.00
		E33176	\$90060	34001	F	Financial	Manager:	MI DOE - Work Study Prog. Graduate T T Malette	2,181.21
		E33249	S10001	22693	F	Financial	Manager:	Fellowships	18,590.55
		E33251	S10001	24634	590 F	Financial	Manager:	Fellowships	4,310.67
								GRAND TOTAL	125,432.77

10/18/95 FTQOPL18A2

# MICHIGAN TECHNOLOGICAL UNIVERSITY Other Federal Funding - Summary Expense by CFDA# From 07/01/94 to 06/30/95

CFDA#	Grantor ID#	Index	Fund	0rgn	Proposal	# Contract #	Fund Title	Amount
15.308	USBUR0002	E20370	\$20016	22801	920809A	1432-G0120033 Financial Manager:	USBM-Mineral Resource Teacher Works D L Abata	204.18-
							TOTAL FOR CFDA# 15.308	204.18-
81.049	USENE0003	E32520	S20002	36001	920223A	DEFG02-92ER75773 Financial Manager:	DOE-Pre Svc Teacher Enhancement Pro C S Anderson	4,189.10
							TOTAL FOR CFDA# 81.049	4,189.10
84.016	USEDU0003	E24868	\$20006	24285	901103C3	P016A10037 YR 2 Financial Manager:	US Dept Educ-Soviet/European Study E M Murrell	3,591.80
							TOTAL FOR CFDA# 84.016	3,591.80
							GRAND TOTAL FOR CFDA's	7,576.72

# MICHIGAN TECHNOLOGICAL UNIVERSITY Other Federal Funding - Summary Expense by Agency From 07/01/94 to 06/30/95

CFDA#	Grantor I	D# Index	Fund	Orgn	Proposal# Contra	:t#	Fund Title	Amount
		D90014	N40081	28701	Financia	Manager:	TARDEC Educational Programs E J White	5.031.20
		D92450	N51410	36002	Financial	Manager:	U of M NASA Space Consortium C S Anderson	6,497.13
		D93492	N40056	26250	Financial	Manager:	Zero Toxic Discharge Syp-Forestry B D Orr	11,697.74
		P84080	P10115	39110	Financial	Manager:	M&M Bldg Grant #1 GSA Washington DC W D Blumhardt	52,186.87
		P84082	P10117	39110	Financial	Manager:	M&M Bldg Grant #2 GSA Washington DC W D Blumhardt	1,216.46-
		P84083	P10119	22401	Financial	Manager:	Renovation Env Eng Res Labs #19 NSF N J Hutzler	121,036.65
		P84833	P30803	39110	Financial	Manager:	Central Monitoring & Control System W D Blumhardt	10,091.00
							GRAND TOTAL	205,324.13

### SCHEDULE OF FEDERAL AWARDS

### FOR THE YEAR ENDED JUNE 30, 1995

Federal Awards	Expenditures
SUMMARY FROM PAGES 13-59	
Research and Development Student Financial Aid Other Federal Awards	\$12,927,198* 2,642,191* 212,901**
Total From Pages 13-59	15,782,290
NONCASH ASSISTANCE	
Perkins Loans Stafford Loans PLUS Loans	6,938,000*** 8,498,075 2,719
Total Noncash Assistance	15,438,794
TOTAL FEDERAL AWARDS	\$31,221,084 =======

- \* Major program
- \*\* We reviewed the account detail on pages 58-59 of this report noting no Federally funded program classified as "other" qualified as a major program.
- \*\*\* Perkins Loans are "measured" by total loans outstanding at June 30, 1994, plus new loans awarded during the year ended June 30, 1995.

All expenditures listed on pages 47-54 are Federal pass through moneys for Research and Development expenditures. All other grants are direct in nature.

The accompanying notes are an integral part of this schedule.

#### NOTES TO THE SCHEDULE OF FEDERAL AWARDS

#### FOR THE YEAR ENDED JUNE 30, 1995

### (1) SCOPE OF AUDIT PURSUANT TO OMB CIRCULAR A-133

All Federal grant operations of Michigan Technological University (the "University"), are included in the scope of the OMB Circular A-133 audit (the "Single Audit"). The Single Audit was performed in accordance with the provisions of the OMB's Compliance Supplement for Audits of Institutions of Higher Learning and Other Non-profit Institutions (October 1991) (the "Compliance Supplement") and the specific grant documents. Compliance testing of all general requirements, as described in the Compliance Supplements, was performed. Compliance testing of specific requirements was performed for all major programs.

The U.S. Department of Health and Human Services has been designated as the University's cognizant agency for the Single Audit.

#### (2) SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

# Basis of Presentation

The accompanying Schedule of Federal Awards includes all Federal grants to the University which had activity during the year ended June 30, 1995. Grant revenues are recorded for financial reporting purposes when the University has met the qualifications for the respective grants.

# SCHEDULE I - SCHEDULE OF FINDINGS (1995)

Program	Finding	Questioned Costs
General: Accounting Services	Observation: Due to a miscommunication within Accounting Services, during a significant part of the fiscal year; grant expenditures made with petty cash were not forwarded to the Research Accounting office for review to ensure proper account classification as required by University procedures. As a result, allowable grant expenditures were misclassified to an unallowable account.	*
	University's Response: We have taken steps to ensure that all grant expenditures are reviewed for proper account classification.	
Student Financial Assistance	Observation:  Per 34 CFR Section 682.610 c (1), upon receipt of a Student Status Confirmation form from a guarantee agency, the University must complete and return the form to the guarantee agency within thirty days of receipt. The University did not meet the thirty day resubmission deadline on at least two occasions during the fiscal year.	*
	University's Response: Fiscal 1996 should be the last year we will fill out Student Status Confirmation Reports. Beginning in September 1996, the National Student Loan Data System is scheduled to be fully functioning. One of its functions is Student Status Confirmation Reporting. We will plan to provide enrollment data twice per term under this new system. Until then, we plan to complete and return the Student Status Confirmation Reports within thirty days of receipt.	

<sup>\* =</sup> The reimbursement effect is either nominal, not reimbursable or not ascertainable.

# SCHEDULE II - STATUS OF PRIOR YEAR (1994) FINDINGS

Program	Finding	Questioned <u>Cost</u>	
	Observation		
TACOM	OMB Circular A-110 provides specific guidance regarding vendor relationships. Included in this guidance is specific prohibition of "cost-plus-a-percentage-of-cost" contracts. During our testing of a TACOM grant we noted that the University entered into a agreement with a subcontractor for a "cost-plus-a-percentage-of-cost" contract in connection with that grant.	\$7,500	
	University Response		
	We continue to make every effort to communicate to all staff members who are directly involved in subcontract administration that subcontracts covered by OMB Circular A-110 may not contain "cost-plus-a-percentage-of-cost" provisions. In addition, OMB Circular A-110 has been reviewed by staff members involved in subcontract		

administration.

# SCHEDULE III - AUDITS PERFORMED BY OTHER ORGANIZATIONS

During fiscal year 1995, the University had a Property System Survey Review performed by the Office of Naval Research covering the period of August 1993 through August 1995.

Inquiries regarding the results of the above mentioned audit may be obtained by contacting the University.

#### HOUGHTON, MICHIGAN 49931-1295

### GENERAL INFORMATION

Arthur Andersen LLP
500 Woodward Avenue
Detroit, Michigan 48226-3424
Engagement Partner: Mark W. Mehall
Telephone Number: (313) 596-7831

The audit was performed between June 5, 1995 and October 13, 1995 at the University's Offices of Accounting Services and Financial Aid in Houghton, Michigan.

University's Major Accrediting Organization: Commission on Higher Education of the North Central Association of Colleges and Secondary Schools.

The University does not utilize an SFA Consultant. The University utilizes University Accounting Service, Inc. ("UAS"), which is located at 180 North Executive Drive, Brookfield, Wisconsin, 53005, as servicer for the Perkins Loans. The following functions are provided by UAS:

- 1. Billing Services
- 2. Collection Services
- 3. Loan Status Reporting

A review of UAS's internal control structure and compliance with laws and regulations was performed by Arthur Andersen LLP - Milwaukee, Wisconsin - during the period July 1, 1994 to June 30, 1995.

Records for the accounting and administration of the Federal Financial Assistance programs are located at the Administration and Student Services Building, Houghton, Michigan 49931-1295.