

# ***MichiganTech***

**MICHIGAN TECHNOLOGICAL UNIVERSITY**

**FINANCIAL STATEMENTS AND  
OMB CIRCULAR A-133 SUPPLEMENTARY FINANCIAL REPORTS  
FOR THE YEAR ENDED JUNE 30, 2001  
TOGETHER WITH REPORT OF INDEPENDENT ACCOUNTANTS**

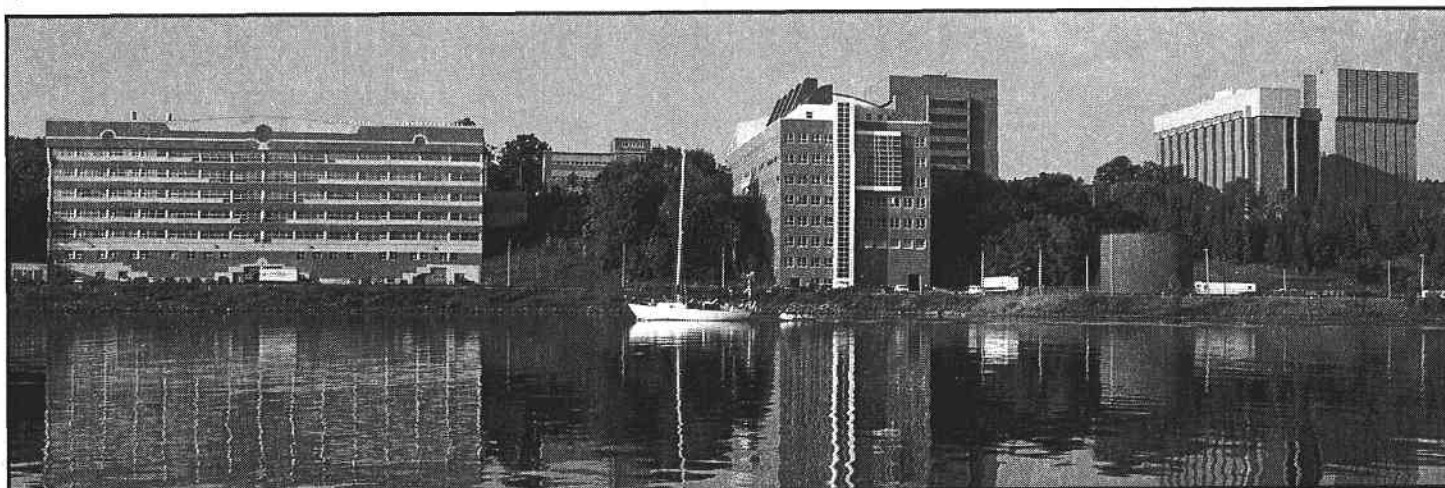
# ***MichiganTech***

## **MICHIGAN TECHNOLOGICAL UNIVERSITY**

**FINANCIAL STATEMENTS**

**FOR THE YEAR ENDED JUNE 30, 2001**

**TOGETHER WITH REPORT OF INDEPENDENT ACCOUNTANTS**



**MICHIGAN TECHNOLOGICAL UNIVERSITY  
FINANCIAL STATEMENTS  
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*for the year ended June 30, 2001*

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## MANAGEMENT'S DISCUSSION AND ANALYSIS

This section of the Michigan Technological University (the "University") annual financial report presents our discussion and analysis of the financial performance of the University during the fiscal year ended June 30, 2001. This discussion has been prepared by University management along with the financial statements and related footnote disclosures and should be read in conjunction with and is qualified in its entirety by the financial statements and footnotes. The financial statements, footnotes and this discussion are the responsibility of University management.

### Using the Annual Report

This annual report consists of a series of financial statements, prepared in accordance with the Governmental Accounting Standards Board Statement No. 35 ("GASB 35"), *Basic Financial Statements-and Management's Discussion and Analysis-for Public Colleges and Universities*. These financial statements differ, in both the form and the accounting principles utilized, from prior financial statements presented.

One of the most important questions asked is whether the University as a whole is better or worse off as a result of the year's activities. The key to understanding this question is the Statement of Net Assets, the Statement of Revenues, Expenses and Changes in Net Assets and the Statement of Cash Flows. These statements present financial information in a form similar to that used by corporations. It is prepared under the accrual basis of accounting, whereby revenues and assets are recognized when the service is provided and expenses and liabilities are recognized when others provide the service, regardless of when cash is exchanged.

The Statement of Net Assets includes all assets and liabilities. The University's net assets (the difference between assets and liabilities) are one indicator of the University's financial health. Over time, increases or decreases in net assets is one indicator of the improvement or erosion of the University's financial health when considered with non-financial facts such as enrollment levels and the condition of the facilities.

The Statement of Revenues, Expenses and Changes in Net Assets presents the revenues earned and expenses incurred during the year. Activities are reported as either operating or nonoperating. All things being equal, a public University's dependency on state appropriations and gifts will result in operating deficits, because GASB 35 classifies state appropriations and gifts as nonoperating revenues. In the past, these two revenue classifications were included within the scope of normal revenues and contributed to revenues over expenditures, typically a net positive number.

Another important factor to consider when evaluating financial viability is the University's ability to meet financial obligations as they mature. The Statement of Cash Flows presents information related to cash inflows and outflows summarized by operating, noncapital financing, capital and related financing, and investing activities.

### Reporting Entity

The financial statements report information about the University as a whole using accounting methods similar to those used by private-sector companies. The University's supporting organization, the Michigan Tech Fund ("MTF") is an independent nonprofit corporation formed for the exclusive benefit of the University. The MTF is not a component unit of the University. Therefore, the results of its operations are not incorporated within these financial statements, or this Management's Discussion and Analysis.

## Financial Highlights

- During the year, our prior year cash balance of \$12 million was utilized to retire \$11.3 million of long-term debt. This resulted in the University having the lowest per-student debt within the State of Michigan's public universities.
- The University's financial position, as a whole, remained relatively stable during the fiscal year ended June 30, 2001. Its combined net assets decreased \$.8 million from the previous year, which is a decrease of approximately .4 percent. This decrease is due to operations of the University, which the administration has undertaken steps to remedy.

## Condensed Financial Information

### Condensed Statement of Net Assets

June 30, 2001  
(in thousands)

	<u>Amount</u>	<u>Percent</u>
<b>ASSETS</b>		
Current assets	\$ 19,852	9.4%
Noncurrent assets	191,303	90.6%
Total Assets	<u>\$211,155</u>	<u>100.0%</u>
<b>LIABILITIES</b>		
Current liabilities	\$ 18,937	60.0%
Noncurrent liabilities	12,617	40.0%
Total Liabilities	<u>\$ 31,554</u>	<u>100.0%</u>
<b>NET ASSETS</b>		
Invested in capital assets, net of related debt	\$160,499	89.4%
Restricted		
Expendable	20,543	11.4%
Unrestricted deficit	(1,441)	-0.8%
Total Net Assets	<u>\$179,601</u>	<u>100.0%</u>

As of June 30, 2001, total University assets were \$211 million. The University's largest asset is its investment in its physical plant of \$172 million at June 30, 2001. Cash and investments decreased by \$17.3 million primarily due to the retirement of long-term debt in 2001 of \$11.3 million and market devaluation of the investments of \$2.0 million.

The student loans receivable totaling \$10.3 million is the University's second largest asset. This receivable increased by \$368 thousand, or 3.7 percent, primarily due to additional student borrowing during the fiscal year.

The University's current assets of \$19.9 million covered the current liabilities of \$18.9 million, as the current ratio was \$1.05 in current assets to every \$1 in current liabilities.

University liabilities totaled \$31.6 million at June 30, 2001. Long-term debt of \$11.9 million, consisting of bonds payable and capitalized lease obligations, is the largest liability.

At June 30, 2001, the University had outstanding bonds of \$11.5 million, representing \$1.5 million and \$10 million remains from a 1993 and a 1998 bond issue, respectively. Bonds payable is the University's largest liability at June 30, 2001, representing 36.4% of total University liabilities. The 1993 General Revenue Refunding Bonds were originally issued in an amount of \$3.6 million, and were used to advance refund and defease an earlier bond issued in 1988. The 1998 General Revenue Variable Rate Demand Bonds were originally issued in an amount of \$21.0 million and were used for funding construction and renovation of four facilities: Dow Environmental Sciences and Engineering Building, Performing Arts and Education Center, Forestry and Wood Products Building, and Harold Meese Center. Michigan Technological University has the lowest (per student) long-term debt of any public university within the State of Michigan.

At June 30, 2001, the University had capital lease obligations with remaining principal payments of approximately \$458 thousand. The capital leases primarily consist of telecommunications, software and photocopiers on campus.

The University has been rated "AAA" by both Fitch IBCA and Standard & Poor's rating agencies. The highest achievable rating is "AAA" based upon the scale used in university rating. The University's capacity to meet its financial commitment on its obligations is looked upon as extremely strong based upon the rating.

**CONDENSED STATEMENT OF REVENUES, EXPENSES, AND  
CHANGES IN NET ASSETS**

for the Year Ended June 30, 2001  
(in thousands)

<b>Operating Revenues:</b>	
Tuition and fees	\$ 33,287
Grants and contracts	27,728
Auxiliary activities	19,465
Educational activities	4,606
Total operating revenues	<u>85,086</u>
<b>Operating Expenses:</b>	
Salaries and wages	71,852
Fringe benefits	22,935
Supplies and services	41,914
Student financial support	7,973
Utilities	6,403
Depreciation	10,080
Total operating expenses	<u>161,157</u>
Operating loss	(76,071)
<b>Nonoperating Revenues:</b>	
State appropriations, operating	54,441
State appropriations, capital	8,211
Gifts	9,608
Other nonoperating revenues and expenses	3,009
Net nonoperating revenues	<u>75,269</u>
Net decrease in net assets	(802)
<b>Net Assets:</b>	
Beginning of year	<u>180,403</u>
End of year	<u>\$179,601</u>

Total operating loss for fiscal 2001 was \$76.1 million. Since the State of Michigan appropriation is not included within operating revenue per GASB 35, beginning this year and going forward the University will show a significant operating loss.

The sources of operating revenue for the University are tuition and fees, grants and contracts, auxiliary services, and educational activities.

The University strives to provide students with the opportunity to obtain a quality education. Future University enrollments may be affected by a number of factors, including any material increase in tuition and other mandatory charges, stemming from any material decrease in appropriation funding from the State of Michigan.

## ANNUAL STUDENT COSTS (2001-2002)

	<u>Tuition</u>			<u>Total Resident Tuition &amp; Fees</u>	<u>Room &amp; Board</u>
	<u>Resident</u>	<u>Non-Res.</u>	<u>Fees</u>		
Undergraduate	\$ 5,028	\$ 12,306	\$ 859	\$ 5,887	\$ 5,201
Graduate	\$ 5,354	\$ 10,998	\$ 954	\$ 6,308	\$ 5,201

The following table details the University's grants and contracts revenue (in thousands) for the fiscal year ended June 30, 2001.

Federal Sources:	
Department of Agriculture	\$ 1,274
Department of Defense	1,267
Department of Education	3,036
Department of Energy	2,670
Environmental Protection Agency	1,343
National Aeronautics Space Administration	610
National Science Foundation	4,426
Other Federal Sources	<u>1,183</u>
Total Federal Sources	<u>15,809</u>
Private	8,781
State and Local	<u>3,138</u>
Total Non-Federal Sources	<u>11,919</u>
Total All Sources	<u>\$ 27,728</u>

Operating expenditures, including depreciation of \$10.1 million, totaled \$161.2 million. Of this total, \$62.7 million or 39 percent was used for instruction and student support, and \$22.8 million or 14 percent for research.

The University's largest source of nonoperating revenue is the State of Michigan appropriation. This is received in eleven monthly payments, beginning in October of each year, since the state's fiscal year begins on October 1<sup>st</sup>. There is no direct connection between the amount of tuition revenues collected by the University and the amount of state funds appropriated in any given year. For the fiscal year beginning October 1, 2000 and ending September 30, 2001, the appropriations from the state for the University were \$54.4 million for operations and \$8.2 million for capital. This appropriation was fully recorded by the University during the University's fiscal year ending June 30, 2001.



## The Statement of Cash Flows

Another way to assess the financial health of an institution is to look at its Statement of Cash Flows. Its primary purpose is to provide relevant information about the cash receipts and cash payments of an entity during a period. The Statement of Cash Flows also helps users assess:

- an entity's ability to generate future net cash flows,
- its ability to meet its obligations as they come due and
- its needs for external financing.

### Condensed Statement of Cash Flows (in thousands)

Cash provided by/(used) in:	
Operating Activities	(\$68,121)
Noncapital Financing Activities	60,198
Capital and Related Financing Activities	(7,361)
Investing Activities	<u>1,590</u>
Net decrease in cash	(13,694)
Cash - Beginning of the Year	<u>12,001</u>
Cash - End of Year	<u>(\$ 1,693)</u>

Major sources of funds included in operating activities include student tuition and fees (\$33.1 million), and grants and contracts (\$26.2 million). The largest payments in this group were compensation to employees (\$94.8 million) and to suppliers (\$41.5 million).

The largest inflow of cash in the noncapital financing activities is the State of Michigan appropriation at \$54.0 million. Cash used in capital and related financing activities during fiscal year 2001 was primarily for the acquisition of capital assets and the repayment of debt.

### Enrollment

Admission to the University is open to residents and non-residents of Michigan on a competitive basis. In the fall 2001 semester, Michigan residents accounted for approximately 77% and 39% of the University's total undergraduate and graduate fall enrollment, respectively.

Enrollments at the University have remained fairly stable over the last five years. The University saw no significant change in total full-time equivalent enrollment in the fall 2001 from the fall 2000. From fall 2000 to fall 2001, new freshmen and transfer enrollees decreased slightly University-wide by 6.9% and 4.1% respectively. Freshman applications decreased by 2.7% and transfer applications increased by 12%, from fall 2000 to fall 2001. New freshman enrollees decreased by 6.9% and transfer enrollees decreased by 4.1% from fall 2000 to fall 2001.

The following tables show the latest retention and graduation rates for freshmen entering the University. The level and changes in retention and graduation rates reflect the diversity of the entering students.

	Retention rate	Graduation rate
	<u>Fall</u>	<u>Fall</u>
1997	83.6 %	59.7 %
1998	80.9	61.2
1999	82.5	66.1
2000	79.7	63.3
2001	76.1	63.1

Note: Retention rate is the first year retention for baccalaureate degree seeking students based on the prior year entering class. Graduation rate is the six-year graduation rate for baccalaureate degree seeking students based on the entering class from six years prior.

The following table shows the average American College Testing ("ACT") scores for entering University freshmen. The United States Average in 2000-2001 was 20.7.

**Average ACT Scores for Incoming Freshmen, Fall**

1997	25.59
1998	25.39
1999	25.21
2000	25.26
2001	25.31

**Degrees Awarded**

The University awards four levels of degrees, including associate, bachelor's, master's and doctoral/professional degrees. Listed below is a five-year history of degrees awarded.

	Degrees Awarded				
	<u>Associate</u>	<u>Bachelor</u>	<u>Masters</u>	<u>Doctorate</u>	<u>Total</u>
1997	81	1,186	164	50	1,481
1998	85	1,075	152	55	1,367
1999	71	986	121	33	1,211
2000	63	1,129	159	42	1,393
2001	50	1,074	145	21	1,290

**Factors Impacting Future Periods**

There are a number of issues of University-wide importance that directly impacted the fiscal year 2001 financial situation. Many of these issues such as the level of state support, financial aid, expanding our fundraising capacity, and performance measurement are ongoing activities of continuous importance to the Board of Control and the University leadership. These issues impact the financial and budget planning each year.

Items that determine the limits of program expansion, new initiatives, strategic investments, as well as the ability of the University to meet its core mission and ongoing operational needs are:

- the ability of student fee supported activities to meet inflationary pressures,
- the level of state support,
- the impact of collectively bargained wage increases, and
- the commitment of operating funds for servicing debt and/or funding capital expenditures.

For fiscal year 2001, overall student charges remained level with student fee increases and supplemented by tuition increases. State appropriations contribute roughly two-thirds of general operations revenues and 39 percent of all operating and non-operating revenues. The level of state support is therefore one of the key factors influencing the University's condition. With the anticipated lowest increase in state support in a decade, the University leadership substantially raised tuition and fees for the coming year.

The biggest challenges facing the University in the years to come are:

- the needs and requirements for deferred maintenance," technology," repairs and adaptation, and
- the selected new construction projects.

Reallocation and assessment programs, both academic and administrative, continue across the University. These efforts are geared to assessing our performance related to goals, rethinking the way we do business, and freeing up resources to support change.

### **Forward-Looking Statements**

From time to time, we may publish forward-looking statements relating to such matters as possible or assumed future results of our operations, anticipated financial performance, student prospects, new curriculum, and similar matters. These forward-looking statements are subject to risks and uncertainties. Also, when we use any of the words "believes," "expects," "plans," "anticipates," "estimates" or similar expressions, we are making forward-looking statements. We claim the protection of the safe harbor for forward-looking statements contained in the Private Securities Litigation Reform Act of 1995 for all of our forward-looking statements. We believe that our forward-looking statements are reasonable.

You should not place undue reliance on any such forward-looking statements, which speak only as of the date made. You should understand that many factors, in addition to those discussed elsewhere in this Annual Report, in our press releases, and in our public documents to which we refer, could affect our future results of the University. This could cause those results to differ materially from those expressed in our forward-looking statements.

The University undertakes no obligation to update any forward-looking statement to reflect events or circumstances after the date on which such statement is made to reflect the occurrence of unanticipated events.

**Report of Independent Accountants**


To the Board of Control  
Michigan Technological University:

In our opinion, the accompanying statement of net assets and the related statements of revenues, expenses and changes in net assets and cash flows present fairly, in all material respects, the financial position of Michigan Technological University (the "University") at June 30, 2001, and the results of its operations and its cash flows for the year then ended, in conformity with accounting principles generally accepted in the United States of America. These financial statements and supplementary information are the responsibility of the University's management; our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit of these statements in accordance with auditing standards generally accepted in the United States of America, and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, which 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, assessing the accounting principles used and significant estimates made by management, and evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

As described in Note 1, the University adopted the provisions of the Governmental Accounting Standards Board ("GASB") Statement No. 33, *Accounting and Financial Reporting for Nonexchange Transactions* and GASB Statement No. 35, *Basic Financial Statements and Management's Discussion and Analysis for the Public Colleges and Universities* as of July 1, 2000.

In accordance with *Government Auditing Standards*, we have also issued our report dated August 15, 2001 on our consideration of the University's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grants. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* and should be read in conjunction with this report in considering the results of our audit.

Our audit was conducted for the purpose of forming an opinion on the basic financial statements taken as a whole. The schedule of expenditures of federal awards (pages 4 through 54 of the accompanying OMB Circular A-133 Supplementary Financial Reports) is presented for purposes of additional analysis as required by the U.S. Office of Management and Budget Circular A-133, *Audits of States, Local Government and Non-Profit Organizations*, and is not a required part of the basic financial statements. Additionally, the Management's Discussion and Analysis (pages 2 through 8) is not a required part of the basic financial statements but is supplemental information required by the GASB. Such information has been subjected to the auditing procedures applied in our audit 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.



August 15, 2001

# Michigan Technological University

## Statement of Net Assets

June 30, 2001  
(in thousands)

### ASSETS

#### Current assets:

Accounts receivable, net	\$ 18,006
Other assets	1,846
Total current assets	19,852

#### Noncurrent assets:

Student loans receivable, net of allowance	10,255
Investments	8,601
Capital assets, net of accumulated depreciation	172,447
Total noncurrent assets	191,303

**TOTAL ASSETS** **\$211,155**

### LIABILITIES

#### Current liabilities:

Accounts payable	\$ 4,768
Other accrued liabilities	7,305
Deferred revenue	3,184
Current portion of noncurrent liabilities	3,680
Total current liabilities	18,937

#### Noncurrent liabilities:

Funds held for others	410
Long-term liabilities	12,207
Total noncurrent liabilities	12,617

**TOTAL LIABILITIES** **\$31,554**

### NET ASSETS

Invested in capital assets, net of related debt	\$ 160,499
Restricted for:	
Expendable	
Scholarships and fellowships	1,161
Research	565
Departmental uses	429
Loans	11,913
Capital projects	5,697
Debt service	778
Unrestricted deficit	(1,441)
Total net assets	<b>\$179,601</b>

**TOTAL NET ASSETS** **\$179,601**

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

**Michigan Technological University**  
**Statement of Revenues, Expenses, and Changes in Net Assets**  
For the Year Ended June 30, 2001  
*(in thousands)*

**REVENUES:**

*Operating Revenues*

Student tuition and fees (net of scholarship allowances of \$8,372)	\$ 33,287
Federal grants and contracts	15,809
State and local grants and contracts	3,138
Nongovernmental grants and contracts	8,781
Educational activities	4,606
Auxiliary activities:	
Sales and services	7,385
Residential life	12,080
Total operating revenues	85,086

**EXPENSES:**

*Operating Expenses*

Educational and general expenditures:	
Instruction	54,768
Research	22,800
Public service	3,948
Academic support	10,438
Student services	5,373
Institutional support	13,827
Student financial support	7,973
Operational and maintenance of plant	10,631
Depreciation	10,080
Auxiliary activities:	
Sales and services	11,855
Residential life	9,464
Total operating expenses	161,157
Operating loss	(76,071)

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

**Michigan Technological University**  
**Statement of Revenues, Expenses, and Changes in Net Assets**  
**Continued**  
For the Year Ended June 30, 2001  
*(in thousands)*

**NONOPERATING REVENUES (EXPENSES)**

State appropriations	\$ 54,441
Gifts	6,262
Investment loss (net of investment expense)	(747)
Interest on capital asset – related debt	(570)
Other nonoperating revenues	<u>198</u>
Net nonoperating revenues	59,584
Loss before other revenues, expenses, or gains	(16,487)
Capital appropriations	8,211
Capital grants and gifts	3,346
Other additions, net	<u>4,128</u>
Total other revenues	<u>15,685</u>
Net decrease in net assets	(802)

**NET ASSETS**

Beginning of year	<u>180,403</u>
End of year	<u>\$ 179,601</u>

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

# Michigan Technological University

## Statement of Cash Flows

For the Year Ended June 30, 2001

(in thousands)

### Cash Flows from Operating Activities

Student tuition and fees	\$ 33,069
Grants and contracts	26,243
Payments to suppliers	(41,490)
Payments for utilities	(6,380)
Payments to employees	(71,792)
Payments for benefits	(23,019)
Payments for scholarships and fellowships	(7,973)
Loans issued to students	(1,809)
Collection of loans to students	1,441
Auxiliary enterprise charges:	
Sales and services	7,139
Residential life	12,122
Sales and service of educational activities	4,600
Other payments	(272)
<b>Net cash used by operating activities</b>	<b>(68,121)</b>

### Cash Flows from Noncapital Financing Activities

State appropriations	53,970
Gifts and grants for other than capital purposes	6,263
William D. Ford direct lending cash received	11,225
William D. Ford direct lending cash disbursed	(11,260)
<b>Net cash provided by noncapital financing activities</b>	<b>60,198</b>

### Cash Flows from Capital and Related Financing Activities

Capital appropriations	10,043
Capital grants and gifts received	2,803
Proceeds from sale of capital assets	139
Purchases of capital assets	(8,336)
Principal paid on capital debt and leases	(11,456)
Interest paid on capital debt and leases	(554)
<b>Net cash used by capital and related financing activities</b>	<b>(7,361)</b>

### Cash Flows from Investing Activities

Proceeds from sales and maturities of investments	8,236
Interest on investments	507
Purchase of investments	(7,153)
<b>Net cash provided by investing activities</b>	<b>1,590</b>

Net decrease in cash	(13,694)
<b>Cash – beginning of the year</b>	<b>12,001</b>
<b>Cash – included in accounts payable</b>	<b>(\$1,693)</b>
<b>Cash – end of year</b>	<b>\$0</b>

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



**Michigan Technological University**  
**Statement of Cash Flows, Continued**  
For the Year Ended June 30, 2001  
*(in thousands)*

**Reconciliation of net operating revenues (expenses) to net cash used by operating activities:**

Operating loss	\$ (76,071)
<i>Adjustments to reconcile net loss to net cash used by operating activities:</i>	
Depreciation expense	10,080
<i>Changes in assets and liabilities:</i>	
Receivables, net	(2,229)
Other assets	292
Loans to students	(368)
Accounts payable	240
Other accrued liabilities	207
Current portion of long-term liabilities	(316)
Funds held for others	63
Deferred revenue	155
Long-term liabilities	(174)
<b>Net cash used by operating activities</b>	<b>\$ (68,121)</b>

**Supplemental Disclosure of Cash Flow Information**

Acquisition of equipment through capital leases	\$ 75
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The accompanying notes are an integral part of these 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 by the Governmental Accounting Standards Board ("GASB"). Michigan Technological University (the "University") adopted the provisions of GASB Statement No. 33, *Accounting and Financial Reporting for Nonexchange Transactions* and GASB Statement No. 35, *Basic Financial Statements and Management's Discussion and Analysis for Public Colleges and Universities* as of July 1, 2000. Because of early adoption of these pronouncements by the State of Michigan, the University is required to implement these changes in the fiscal year ending June 30, 2001.

As a result of these adoptions, changes to the presentation of amounts in the Statements of Net Assets, Statements of Revenues, Expenses and Changes in Net Assets and the Statements of Cash Flows have been made. These statements establish standards for external financial reporting for public colleges and universities and require that financial statements be presented on a consolidated basis to focus on the university as a whole, with resources classified for accounting and reporting purposes into net asset categories according to externally imposed restrictions. Previously, financial statements focused on the accountability of individual fund groups rather than on the University as a whole.

The three required net assets categories used by the University are as follows:

- Invested in capital assets, net of related debt – Capital assets, net of accumulated depreciation and outstanding principal balances of debt attributable to the acquisition, construction or improvement of those assets.
- Restricted for expendable purposes – Net assets whose use is subject to externally imposed stipulations that can be fulfilled by actions of the University pursuant to those stipulations or that expire by the passage of time.
- Unrestricted – Net assets that not subject to externally imposed stipulations. Unrestricted net assets may be designated for specific purposes by action of the University's Board of Control or may otherwise be limited by contractual agreements with outside parties.

***Reporting Entity***

The University is an institution of higher education and is considered to be a component unit of the State of Michigan because its Board of Control is appointed by the Governor of the State of Michigan. Accordingly, the University is included in the State's financial statements as a discrete component unit. Transactions with the State of Michigan relate primarily to appropriations for operations, grants from various state agencies and payments to State retirement programs for University employees.

The financial statements of all controlled organizations are included in the University's financial statements. Organizations which are not controlled by the University, such as the Michigan Tech Fund and booster organizations, are not included in the University's financial statements.

## ***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) gifts, grants and pledges are recognized when received or when billable, and (2) Expendable Restricted revenue is recognized only to the extent expended.

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 \$4,458 (in thousands) at June 30, 2001.

### ***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***

The University considers all highly liquid investments (including restricted assets) with a maturity of three months or less when purchased to be cash equivalents.

### ***Inventories***

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

### ***Investments and Marketable Securities***

Investments are valued at market.

### ***Capitalized Interest***

During fiscal year 2001, total interest cost was \$1,240 (in thousands), of which \$670 was included in investment in plant and \$570 was included in expenditures.

### ***Property, Plant and Equipment***

The University uses a \$2,500 capitalization threshold. Physical properties are stated at cost when purchased. Other acquisitions are stated at appraised value on date of receipt. 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 is provided for physical properties on a straight line basis over the estimated useful life of the property, as follows:

<u>Classification</u>	<u>Life</u>
Land Improvements and infrastructure	20 years
Buildings	40 years
Computer Equipment	5 years
Equipment	7 years
Library Books	5 years

### ***Revenue and Expense Recognition***

The University recognizes revenues net of discounts and allowances, when it becomes measurable and available. All revenues from programmatic sources are considered to be operating revenues. Included in non-operating revenues are state appropriations, investment income, and gifts. The University first applies restricted resources when an expense is incurred for purposes for which both restricted and unrestricted net assets are available.

### ***Scholarship Allowances and Student Financial Aid***

Financial aid to students is reported in the financial statements under the alternative method as prescribed by the National Association of College and University Business Officers (NACUBO). Certain aid (loans, funds provided to students as awarded by third parties and Federal Direct Lending) is accounted for as third party payments (credited to the student's accounts as if the student made the payment.) All other aid is reflected in the financial statements as operating expenses or scholarship allowances, which reduce revenues. The amount reported as operating expense represents the portion of aid that was provided to the student in the form of cash. Scholarship allowances represent the portion of aid provided to the student in the form of reduced tuition. Under the alternative method, these amounts are computed on a total university basis by allocating the cash payments to students, excluding payments for services, on the ratio of all aid to the aid not considered to be third party aid.

## **(2) CASH AND INVESTMENTS**

*Authorizations:* The University investment policies are governed and authorized by University Bylaws and the Board of Control.

The University utilizes the "pooled cash" method of accounting for substantially all of its cash and cash equivalents. Investment policies for cash and cash equivalents, as set forth by the Board of Control, authorize the University to invest, with limitations, in commercial paper rated 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.

Policies regarding investments and marketable securities as set forth by the Board of Control, authorize the University to invest in U.S. Treasury Obligations; commercial paper rated within the two highest classifications of prime as established by at least one of the standard rating services; or Federal agency securities certificates of deposit issued by FDIC insurance banks, FSLIC insured savings and loan associations, or an NCUA credit union member; or Eurodollar time deposits in Tier 1, 2, or 3 banks.

*Deposits:*

The University had no cash and cash held for investments as of June 30, 2001. However, the University released checks in excess of the bank balance by \$1.7 million as of June 30, 2001. Of the total bank balances, \$12 (in thousands) at June 30, 2001 was covered by federal depository insurance. The remaining amounts were uninsured and uncollateralized, as the University is precluded by state law from collateralizing its deposits.

*Investments:*

In accordance with GASB Statement No. 3, investments are classified into three categories of custodial credit risk. The University's investments are not categorized because they are not evidenced by securities that exist in physical or book entry form. The University's investments in pooled investment funds are uninsured.

The University has pooled investments invested in a variety of mutual funds managed by investment managers. The net decrease in the fair value of investments takes into account all changes in fair value (including purchases and sales) that occurred during the year.

Investment loss for the year ended June 30, 2001 is comprised of the following (in thousands):

Investment income (loss):	
Interest	\$ 522
Dividends	799
Net decrease in the fair value of investments	<u>(2,049)</u>
Subtotal	( 728)
Investment expenses	<u>(24)</u>
Total investment loss	<u>\$ (752)</u>

The University realized net losses of \$620 (in thousands) from the sale of investments in fiscal years 2001. The calculation of realized losses is independent of the calculation of the net decrease in the fair value of investments. Realized losses on investments that had been held in more than one fiscal year and sold in the current year may have been recognized as an increase in the fair value of investments reported in the prior year. The unrealized net losses on investments held as of June 30, 2001 was \$1,429.

The returns on investments and marketable securities, excluding the base cash pool reserve for the year ended June 30, 2001 was as follows:

Intermediate fixed income	4.2%
Equity investments	(14.7%)

**(3) CAPITAL ASSETS**

The following table summarizes, by major class of asset, the capital asset activity for the year ended June 30, 2001 (in thousands):

	<u>Beginning Balance</u>	<u>Additions</u>	<u>Disposals</u>	<u>Ending Balance</u>
Land	\$ 8,783	\$ 10	\$ -	\$8,793
Land improvements and infrastructure	9,221	834	-	10,055
Buildings	175,214	29,289	(69)	204,434
Equipment	82,077	6,455	(4,086)	84,446
Library books	4,431	131	(3)	4,559
Mineral collections	3,093	16	(6)	3,103
Construction in progress	<u>25,489</u>	<u>(25,417)</u>	<u>-</u>	<u>72</u>
Total cost of capital assets	<u>308,308</u>	<u>11,318</u>	<u>(4,164)</u>	<u>315,462</u>
Less accumulated depreciation:				
Land improvements and infrastructure	7,936	99	-	8,035
Buildings	63,346	4,523	(19)	67,850
Equipment	61,520	5,366	(4,019)	62,867
Library books	<u>4,170</u>	<u>93</u>	<u>-</u>	<u>4,263</u>
Total accumulated depreciation	<u>136,972</u>	<u>10,081</u>	<u>(4,038)</u>	<u>143,015</u>
Capital assets - net	<u>\$171,336</u>	<u>\$1,237</u>	<u>(\$ 126)</u>	<u>\$172,447</u>

**(4) LINE OF CREDIT**

The University has an unused line of credit arrangement with one bank under which it may borrow up to \$10,000,000. It is set at a variable rate of interest, subject to change daily, that is 35 basis points less than the London Interbank Offered Rate ("LIBOR"). There are no commitment fees and no unusual conditions associated with this line of credit.

**(5) NONCURRENT LIABILITIES**

Noncurrent liabilities of the University consists of bonds, capital leases, and accrued health and liability claims. The changes in noncurrent liabilities are as shown below (in thousands):

	<u>Beginning Balance</u>	<u>Additions</u>	<u>Reductions</u>	<u>Ending Balance</u>	<u>Current Portion</u>
General Revenue Bonds:					
Variable Rate Demand	\$21,000	\$ -	\$11,000	\$10,000	\$ -
Refunding Bonds	1,830	-	340	1,490	155
Total bonds payable	22,830	-	11,340	11,490	155
Capital leases	498	75	115	458	118
Total long-term debt	23,328	75	11,455	11,948	273
Accrued Health & Liability Claims, net	4,430	-	491	3,939	3,407
<b>Total noncurrent liabilities</b>	<b>\$27,758</b>	<b>\$ 75</b>	<b>\$11,946</b>	<b>\$15,887</b>	<b>\$3,680</b>

***Bonds***

In fiscal year 1998, the University issued \$21 million of General Revenue Variable Rate Demand Bonds ("GRVDB"). Initially priced at 3.45%, the bonds are re-priced weekly. The funds have been used to complete four building projects on campus: the Dow Environmental Sciences and Engineering building, the Rozsa Center for the Performing Arts, the Center for Ecosystem Science, and the Harold Meese Career Center. Additionally, proceeds from the bonds were used to pay off the balances on the University Images loan and the Harold Meese Career Center mortgage. Annual debt service requirements begin in 2015.

The GRVDB issue is collateralized with a \$10 million letter of credit through the Bank of America. The letter would only be used if the bonds become unmarketable.

In fiscal year 1994, the University defeased in substance the 1989 issue of General Revenue Bonds with an issue of General Revenue Refunding Bonds valued at \$3,585 (in thousands). These bonds bear interest at 2.80% to 5.10% and mature at various dates through 2008. As of June 30, 2001 the defeased bonds outstanding were \$1,335.

***Capital Lease Obligations***

The University has entered into capital lease agreements for the purchase of office equipment and telecommunication switch equipment.

Scheduled maturities of noncurrent liabilities are as follows for the fiscal year ending June 30 (in thousands):

<u>Fiscal Year</u>	<u>Bonds</u>	<u>Capital Leases</u>	<u>Total</u>
2002	\$ 155	\$ 118	\$ 273
2003	165	118	283
2004	170	109	279
2005	180	91	271
2006	190	22	212
Later Years	10,630	-	10,630
<b>Total</b>	<b>\$11,490</b>	<b>\$ 458</b>	<b>\$11,948</b>

**(6) POST-EMPLOYMENT BENEFITS**

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

MPERS is a non-contributory defined benefit retirement plan through the Michigan State Employees' Retirement System Plan (the "Plan"). Due to State of Michigan House Bill HB4047, University employees hired after December 31, 1995 can no longer participate in this retirement plan, unless they were previously enrolled in the plan at the University or one of the other six universities that are part of MPERS.

During fiscal year 1997, the University implemented the funding policy changes finalized by MPERS. An actuarial valuation was prepared for MPERS that separated the Plan into two components – university members and all other members. The valuation determined the university members' portion of plan assets and unfunded actuarial accrued liability ("UAAL"). The new funding policy calls for continued contributions for active members at 6.85% of member payroll. To fund the costs of the UAAL over the next forty years, the University will make additional contributions at a rate that will be determined annually. The fiscal year 2001 rate was 1.36%. The University is also required to pay a \$169,600 monthly supplemental contribution for retiree health care benefits.

The TIAA-CREF Plan is a defined contribution retirement plan. All employees, who work at least 3/4 time are eligible to participate in the TIAA-CREF plan. For employees hired after December 31, 1995 employer contributions begin two years after date of hire or age 35 whichever is sooner. Employee benefits vest immediately. The University contributes a specified percentage of employee wages and has no liability beyond its own contribution.

Contributions and covered payroll under the plans (excluding participants' additional contributions) are summarized as follows (in thousands) for the year ended June 30, 2001:

University contributions to MPERS	\$ 1,155
MPERS retiree health insurance	1,899
MPERS unfunded pension costs	72
Payroll covered under MPERS	14,001
University contributions to TIAA-CREF	5,558
University contributions to TIAA-CREF supplemental	18
Payroll covered under TIAA-CREF	42,647

The University subsidizes a medical benefits plan for TIAA-CREF eligible University employees who have or will have retired from October 19, 1992 through June 30, 2006. The University recognizes the cost of providing this benefit on a pay-as-you-go basis, which is included in the current funds' expenditures.



During 1997, the Board approved a change in the plan's benefits. During 2001, the University matched the participating employee's 2% of salary contribution to the employee's TIAA-CREF retirement annuity.

From 2002 to 2006, the retired employee's contribution for health care benefits will increase from 50% to 100%. The University's subsidy will likewise decrease for fiscal year 2007 and beyond because retired employees will be responsible for 100% of their health care costs. Retirees can pay for their coverage with their annuity.

**(7) 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 each line 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.

**(8) 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 accompanying financial statements do not include the net assets of MTF. The most recent audited MTF financial statements are as of June 30, 2001. The net assets of the MTF were \$82.2 million. Included in the net assets above, MTF had an endowment of \$27.1 million. Contributions by the MTF on behalf of the University approximated \$9.2 million.

**(9) COMMITMENTS AND CONTINGENCIES**

The University has internally funded reserves for certain employee benefits. Accrued liabilities are generally based on actuarial valuations and represent the present value of unpaid expected claims, including estimates of claims incurred but not reported.

In the normal course of business, the University is named party to various legal actions. Historically, the University has not experienced significant losses from such actions. After taking into consideration legal counsel's evaluation of pending actions, management believes the resolution of these matters will not have a material adverse effect on the University's financial position or results of operations.

# ***MichiganTech***

**MICHIGAN TECHNOLOGICAL UNIVERSITY  
OMB CIRCULAR A-133 SUPPLEMENTARY FINANCIAL STATEMENTS  
FOR THE YEAR ENDED JUNE 30, 2001**

**TOGETHER WITH REPORT OF INDEPENDENT ACCOUNTANTS**

# Michigan Technological University

## OMB Circular A-133 Supplementary Financial Reports

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**Report of Independent Accountants on Compliance  
and on Internal Controls Over Financial Reporting  
Based on an Audit of Financial Statements Performed  
in Accordance with *Government Auditing Standards***

PricewaterhouseCoopers LLP  
333 Bridge Street, N.W.  
Suite 505  
Grand Rapids MI 49504-5356  
Telephone (616) 458 7700  
Facsimile (616) 454 6375

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, 2001, and have issued our report thereon dated August 15, 2001. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States.

Compliance

As part of obtaining reasonable assurance about whether the University's financial statements are free of material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts and grants, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit and, accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance that are required to be reported under *Government Auditing Standards*.

Internal Control Over Financial Reporting

In planning and performing our audit, we considered the University's internal control over financial reporting in order to determine our auditing procedures for the purpose of expressing our opinion on the financial statements and not to provide assurance on the internal control over financial reporting. Our consideration of the internal control over financial reporting would not necessarily disclose all matters in the internal control over financial reporting that might be material weaknesses. A material weakness is a condition in which the design or operation of one or more of the internal control components does not reduce to a relatively low level the risk that misstatements 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 over financial reporting and its operation that we consider to be material weaknesses.

This report is intended solely for the information and use of the Board of Control, University management, the Department of Defense, Office of Naval Research (the cognizant agency) and Federal grantor agencies and is not intended to be and should not be used by anyone other than these specified parties. However, this report is a matter of public record and its distribution is not limited.

*PricewaterhouseCoopers LLP*

August 15, 2001

PricewaterhouseCoopers LLP  
333 Bridge Street, N.W.  
Suite 505  
Grand Rapids MI 49504-5356  
Telephone (616) 458 7700  
Facsimile (616) 454 6375

**Report of Independent Accountants on Compliance  
with Requirements Applicable to Each Major Program  
and on Internal Controls Over Compliance in Accordance  
With OMB Circular A-133**

To the Board of Control  
Michigan Technological University:

Compliance

We have audited the compliance of Michigan Technological University (the "University") with the types of compliance requirements described in the U.S. Office of Management and Budget (OMB) Circular A-133 Compliance Supplement that are applicable to each of its major federal programs for the year ended June 30, 2001. The University's major federal programs are identified in the summary of auditors results section of the accompanying schedule of findings and questioned costs. Compliance with the requirements of laws, regulations, contracts and grants applicable to each of its major federal programs is the responsibility of the University's management. Our responsibility is to express an opinion on the University's compliance based on our audit.

We did not audit the University's compliance with requirements governing billing, recordkeeping, payment processing, reporting and due diligence compliance requirements specified by the Federal Perkins Loans Program and described in the OMB Circular A-133 Compliance Supplement. Compliance with these requirements was audited by other auditors whose report thereon has been furnished to us, and our opinion expressed herein, insofar as it relates to the University's compliance with those requirements, is based solely on the report of the other auditors.

We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in Government Auditing Standards, issued by the Comptroller General of the United States; and OMB Circular A-133, Audits of States, Local Governments, and Non-Profit Organizations. Those standards and OMB Circular A-133 require that we plan and perform the audit to obtain reasonable assurance about whether noncompliance with the types of compliance requirements referred to above that could have a direct and material effect on a major federal program occurred. An audit includes examining, on a test basis, evidence about the University's compliance with those requirements and performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion. Our audit does not provide a legal determination on the University's compliance with those requirements.

In our opinion, based on our audit and the report of other auditors, Michigan Technological University complied, in all material respects, with the requirements referred to above that are applicable to each of its major federal programs for the year ended June 30, 2001.

### Internal Control Over Compliance

The management of the University is responsible for establishing and maintaining effective internal control over compliance with requirements of laws, regulations, contracts and grants applicable to federal programs. In planning and performing our audit, except as noted in the following paragraph, we considered the University's internal control over compliance with requirements that could have a direct and material effect on a major federal program in order to determine our auditing procedures for the purpose of expressing our opinion on compliance and to test and report on internal control over compliance in accordance with OMB Circular A-133.

We did not consider internal control over compliance with the requirements governing billing, recordkeeping, payment processing, reporting and due diligence compliance requirements specified by Federal Perkins Loan Program and described in the OMB Circular A-133 Compliance Supplement. Internal control over these compliance requirements was considered by the other auditors referred to above; and our report, insofar as it relates to the University's internal control over those compliance requirements, is based solely upon the report of the other auditors.

Our consideration and the other auditors' consideration of the internal control over compliance would not necessarily disclose all matters in the internal control that might be material weaknesses. A material weakness is a condition in which the design or operation of one or more of the internal control components does not reduce to a relatively low level the risk that noncompliance with applicable requirements of laws, regulations, contracts and grants that would be material in relation to a major federal program 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 over compliance and its operation that we consider to be material weaknesses. Also, the report of the other auditors noted no matters involving the internal control structure over compliance and its operation that they consider to be material weaknesses.

This report is intended solely for the information and use of the Board of Control, University management, the Department of Defense, Office of Naval Research (the cognizant agency) and Federal grantor agencies and is not intended to be and should not be used by anyone other than these specified parties.

*PricewaterhouseCoopers LLP*

August 15, 2001

09/18/2001  
 FTQOPL18A  
 Fund L3

MICHIGAN TECHNOLOGICAL UNIVERSITY  
 Research - Summary Expense by CFDA#  
 From 07/01/2000 to 06/30/2001

CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
U S Dept of Agriculture Fed Pass:							
10.200	E26967	R40782	23005	990826	AGREE # 61-4062C	MICHI-Structural Flakeboard from Mi	2,869.85
U S Dept of Agriculture Fed Pass:						L M Matuana	2,869.85
							-----
							2,869.85
							-----
TOTAL FOR CFDA# 10.200							2,869.85
McIntyre Stennis							
10.202	E20086	R51268	23005	941009	FY00 MCINTIRE STENNIS	MS-00-Canada Yew Ground Nest Birds	9,333.96
McIntyre Stennis						Financial Manager: D J Flasphler	
10.202	E20087	R51269	23005	941009	FY00 MCINTIRE STENNIS	MS-00-Molecular Genetic Analysis	3,169.92
McIntyre Stennis						Financial Manager: C P Joshi	
10.202	E20088	R51270	23005	941009	FY00 MCINTIRE STENNIS	MS-00-Teakettle Experimental Forest	2,369.77
McIntyre Stennis						Financial Manager: M F Jurgensen	
10.202	E20089	R51271	23005	941009	FY00 MCINTIRE STENNIS	MS-00-Valuation of Upper Peninsula	7,000.00
McIntyre Stennis						Financial Manager: B D Orr	
10.202	E20090	R51272	23005	941009	FY00 MCINTIRE STENNIS	MS-00-Viability Animal Populations	6,072.37
McIntyre Stennis						Financial Manager: R O Peterson	
10.202	E20091	R51273	23005	941009	FY00 MCINTIRE STENNIS	MS-00-Operations Mgmt Rsch Program	2,100.50
McIntyre Stennis						Financial Manager: J B Pickens	
10.202	E20092	R51274	23005	941009	FY00 MCINTIRE STENNIS	MS-00-C-allocation/N-cycling Hardwo	6,317.22
McIntyre Stennis						Financial Manager: K S Pregitzer	
10.202	E20093	R51275	23005	941009	FY00 MCINTIRE STENNIS	MS-00-Young Tamarack Biomass & Prod	322.33
McIntyre Stennis						Financial Manager: D D Reed	
10.202	E20094	R51276	23805	941009	FY00 MCINTIRE STENNIS	MS-00-Transgenic Aspen Trees	4,444.16
McIntyre Stennis						Financial Manager: C Tsai	
10.202	E20095	R51277	23005	941009	FY00 MCINTIRE STENNIS	MS-00-Research Administration	35,338.09
McIntyre Stennis						Financial Manager: G D Mroz	
10.202	E20096	R51279	23005	941009	FY00 MCINTIRE STENNIS	MS-00-Wetland & Production Ecology	4,957.65
McIntyre Stennis						Financial Manager: M R Gale	

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



CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
10.202 McIntyre Stennis	E20097	R51280	23005	941009	FY00 MCINTIRE STENNIS Financial Manager:	MS-00-Extrusion Foaming Wood-Fiber L M Matuana	5,089.27
10.202 McIntyre Stennis	E20098	R51312	23005	941009	FY00 MCINTIRE STENNIS Financial Manager:	MS-00-Trophic Controls-Isle Royale R O Peterson	7,000.00
10.202 McIntyre Stennis	E20099	R51313	23005	941009	FY00 MCINTIRE STENNIS Financial Manager:	MS-00-Superior Larch Hybrids D F Karnosky	7,000.00
10.202 McIntyre Stennis	E20100	R51314	23005	941009	FY00 MCINTIRE STENNIS Financial Manager:	MS-00-Wood Composites-Carpenter Ant P E Laks	7,000.00
10.202 McIntyre Stennis	E20101	R51315	23005	941009	FY00 MCINTIRE STENNIS Financial Manager:	MS-00-Analysis Forest Cover Mapping A L Maclean	7,000.00
10.202 McIntyre Stennis	E20102	R51317	23005	941009	FY00 MCINTIRE STENNIS Financial Manager:	MS-00-Sociology-Natural Resources K E Halvorsen	1,245.05
10.202 McIntyre Stennis	E20103	R52026	23005	000914	FY01 MCINTIRE STENNIS Financial Manager:	MS/FY01-Research Administration G D Mroz	72,118.85
10.202 McIntyre Stennis	E20104	R52027	23005	000914	FY01 MCINTIRE STENNIS Financial Manager:	MS/FY01-Soil Respiration J Chen	4,602.04
10.202 McIntyre Stennis	E20105	R52028	23005	000914	FY01 MCINTIRE STENNIS Financial Manager:	MS/FY01-Canada Yew Birds D J Flaspohler	4,088.98
10.202 McIntyre Stennis	E20106	R52029	23005	000914	FY01 MCINTIRE STENNIS Financial Manager:	MS/FY01-Ecology Program M R Gale	7,775.21
10.202 McIntyre Stennis	E20107	R52030	23005	000914	FY01 MCINTIRE STENNIS Financial Manager:	MS/FY01-Sociology Natural Resources K E Halvorsen	730.00
10.202 McIntyre Stennis	E20108	R52031	23005	000914	FY01 MCINTIRE STENNIS Financial Manager:	MS/FY01-Genetic Analysis Aspen C P Joshi	12,265.38
10.202 McIntyre Stennis	E20109	R52032	23005	000914	FY01 MCINTIRE STENNIS Financial Manager:	MS/FY01-Carbon Cycling Forest Soils M F Jurgensen	7,556.79
10.202 McIntyre Stennis	E20110	R52033	23005	000914	FY01 MCINTIRE STENNIS Financial Manager:	MS/FY01-Larch Hybrids for Michigan D F Karnosky	4,859.97
10.202 McIntyre Stennis	E20111	R52034	23005	000914	FY01 MCINTIRE STENNIS Financial Manager:	MS/FY01-Durability Wood Composites P E Laks	2,385.00

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

09/18/2001  
 FTQOPL18A  
 Fund L3

MICHIGAN TECHNOLOGICAL UNIVERSITY  
 Research - Summary Expense by CFDA#  
 From 07/01/2000 to 06/30/2001

CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
10.202 McIntyre Stennis	E20112	R52035	23005	000914	FY01 MCINTIRE STENNIS MS/FY01-Forest Cover Mapping Financial Manager: A L Maclean	6,868.92	
10.202 McIntyre Stennis	E20113	R52036	23005	000914	FY01 MCINTIRE STENNIS MS/FY01-Extrusion Foaming WoodFiber Financial Manager: L M Matuana	11,663.21	
10.202 McIntyre Stennis	E20115	R52038	23005	000914	FY01 MCINTIRE STENNIS MS/FY01-Valuation Forest Lands-U.P. Financial Manager: B D Orr	7,914.80	
10.202 McIntyre Stennis	E20116	R52039	23005	000914	FY01 MCINTIRE STENNIS MS/FY01-Trophic Controls Is. Royale Financial Manager: R O Peterson	7,286.25	
10.202 McIntyre Stennis	E20117	R52040	23005	000914	FY01 MCINTIRE STENNIS MS/FY01-Operations Mgmt Rsch Prgm Financial Manager: J B Pickens	4,804.47	
10.202 McIntyre Stennis	E20118	R52041	23005	000914	FY01 MCINTIRE STENNIS MS/FY01-C-Allocation/N-Cycling Financial Manager: K S Pregitzer	5,500.29	
10.202 McIntyre Stennis	E20119	R52042	23005	000914	FY01 MCINTIRE STENNIS MS/FY01-Production Young Tamarack Financial Manager: D D Reed	8,817.68	
10.202 McIntyre Stennis	E20120	R52043	23005	000914	FY01 MCINTIRE STENNIS MS/FY01-Field Trial Aspen Trees Financial Manager: C Tsai	10,626.08	
							295,624.21
TOTAL FOR CFDA# 10.202							295,624.21
U S Dept of Agriculture Fed Pass:							
10.206 U S Dept of Agriculture Fed Pass:	E25377	R80689	22405	981255	463-2001646 Financial Manager: W M Bulleit	CLEMS-Load Sharing and System Facto	7,454.03
10.206 U S Dept of Agriculture Fed Pass:	E27700	R82006	22405	000913	SUBCONTRACT # C0239A-0UNIVE-Load Sharing/System Factor Financial Manager: W M Bulleit	9,891.27	
							17,345.30
U S Forest Service:							
10.206 U S Forest Service:	E20178	R52058	22405	000121	2001-35504-10042 Financial Manager: L B Sandberg	USAGR-Wood Composite Panels	469.13
10.206 U S Forest Service:	E20310	R51018	23007	961128	AGRMNT NO. 97-35101-43USAGR-RSI/Adpative Landscape Manage Financial Manager: J Chen	21,198.84	

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CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
10.206	E20313	R51046	22405	961233	97-35103-4897	USAGR - Load-Duration Behavior	
U S Forest Service:					Financial Manager:	W M Bulleit	5,988.44
10.206	E20316	R51056	23005	970209	97-35314-5122	USAGR-Designing Regeneration System	
U S Forest Service:					Financial Manager:	D D Reed	27,706.04
10.206	E20328	R51142	23805	980217	98-35106-6630	USAGR-Molecular Characterization	
U S Forest Service:					Financial Manager:	C Tsai	14,405.14
10.206	E20330	R51166	22205	980114	98-35504-6556	USAGR-Copolymer Chain Architecture	
U S Forest Service:					Financial Manager:	G T Caneba	34,411.69
10.206	E20334	R51178	24105	980118	98-35103-6533	USAGR-Cloning Homeotic Genes	
U S Forest Service:					Financial Manager:	G K Podila	23,372.65
10.206	E20343	R51240	24105	971121	99-35107-7810	USAGR - Symbiosis-Regulated Genes	
U S Forest Service:					Financial Manager:	G K Podila	42,611.55
10.206	E20349	R51254	23805	981250	99-35103-8601	USAGR-Foaming of Wood-Fiber	
U S Forest Service:					Financial Manager:	L M Matuana	35,757.72
10.206	E20350	R51286	23005	990101	99-35103-7986	USAGR-PBC/Cellulose Augmentation	
U S Forest Service:					Financial Manager:	V L Chiang	33,656.59
							-----
							239,577.79
							-----
						TOTAL FOR CFDA# 10.206	256,923.09
National Science Foundation Fed Pas							
10.212	E25074	R80675	22805	981112	SUB CONTRACT 99-02	APPLI-Controlled Foam Injection for	
National Science Foundation Fed Pas					Financial Manager:	O F Otuonye	41,604.68
							-----
							41,604.68
							-----
						TOTAL FOR CFDA# 10.212	41,604.68
U S Forest Service:							
10.219	E20176	R52048	23005	000403	00-39210-9812	USAGR-PBC/Ecol Consequences Aspen	
U S Forest Service:					Financial Manager:	C Tsai	11,010.31
							-----
							11,010.31
							-----
						TOTAL FOR CFDA# 10.219	11,010.31

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CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
U S Forest Service:							
10.224	E20318	R51095	23005	970433	97-36200-5275	USAGR-Genetically Engineered Trees	
U S Forest Service:					Financial Manager:	D F Karnosky	8,217.56
10.224	E20319	R51097	24105	970433	97-36200-5275	USAGR-Genetically Engineered Trees	
U S Forest Service:					Financial Manager:	G K Podila	121,314.40
							-----
							129,531.96
							-----
TOTAL FOR CFDA# 10.224							129,531.96
U S Dept of Agriculture Fed Pass:							
10.652	E28714	R42014	23005	001124	AGMT # 596-0301-1	UNIVE-A Study of Decayed Lumger	
U S Dept of Agriculture Fed Pass:					Financial Manager:	J W Forsman	19,290.17
							-----
							19,290.17
U S Forest Service:							
10.652	E20247	R51013	23005	970402	SRS 33-CA-97-104-AMD	USDA-Extensions Optimal Log Bucking	
U S Forest Service:					Financial Manager:	J B Pickens	6,018.27
10.652	E20285	R50880	23007	960209	CO-OP AGRMT 23-136-AMD	USDA-Carbon/Nitrogen Cycling Aspen	
U S Forest Service:					Financial Manager:	A J Burton	47,154.01
10.652	E20307	R51002	24105	941039	23-081-AMD NO.4	USAGR-Biocontrol of Insect Pests	
U S Forest Service:					Financial Manager:	G K Podila	3,087.05
10.652	E20312	R51030	23005	970808	SRS33-CA-97-224-AMD 2	USAGR-Soil Carbon Mdls/Hydric Soils	
U S Forest Service:					Financial Manager:	M F Jurgensen	3,007.29
10.652	E20324	R51137	23005	980732	SRS33-CA-98-462-AMD 2	USAGR - Phase 2-Carbon Models	
U S Forest Service:					Financial Manager:	M F Jurgensen	1,028.79
10.652	E20342	R51238	23005	990344	SRS 33-CA-99-660	USAGR-Soil Response/Site Productivi	
U S Forest Service:					Financial Manager:	M F Jurgensen	912.21
10.652	E20362	R52016	23005	000810	00-CA-11242343-077	USAGR-Sugar Maple/Discolored Heart	
U S Forest Service:					Financial Manager:	J B Pickens	10,714.27
							-----
							71,921.89
							-----
TOTAL FOR CFDA# 10.652							91,212.06

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CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
U S Dept of Agriculture:							
10.664	E20204	R51332	23005	000627	00-CA-11244225-219	USAGR-Biologic Control Forest Pests Financial Manager: M R Gale	29,000.00
							-----
							29,000.00
U S Forest Service:							
10.664	E20352	R10789	23005	950707	00-CA-11244225-012	USAGR-Cylindrocadium Root Disease Financial Manager: M R Gale	1,833.78
							-----
10.664	E20355	R51329	23005	000247	00-DG-11244225-204	USAGR-Intensive Log Bucker Training Financial Manager: J B Pickens	83,568.49
							-----
							85,402.27
							-----
TOTAL FOR CFDA# 10.664							114,402.27
U S Dept of Commerce Fed Pass Thru:							
11.417	E28452	R70563	22575	990524	PO 300153328	UNIVE-Estimating Chlorophyll Transp Financial Manager: J W Budd	19,183.75
							-----
							19,183.75
							-----
TOTAL FOR CFDA# 11.417							19,183.75
U S Dept of Commerce:							
11.431	E24834	R51135	22405	970807	NA86GP0325-AMD NO.2	USCOM-ADV ACCT-Anthro Impacts Ozone Financial Manager: R E Honrath	254,912.51
							-----
							254,912.51
							-----
TOTAL FOR CFDA# 11.431							254,912.51
Office of Naval Research Fed Pass:							
12.300	E25413	R80690	24605	000231	PO # 521655	COLUM -Epitaxial Liftoff Crystal Fe Financial Manager: M Levy	12,568.89

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CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
12.300	E25414	R80692	22705	000231	PO # 521655	COLUM -Epitaxial Liftoff/Single Cry	
Office of Naval Research Fed Pass:							8,029.33
12.300	E25421	R80711	24605	000231P2	PO# 521844	COLUM-Epitaxial Liftoff for Fully	
Office of Naval Research Fed Pass:							43,651.25
12.300	E25422	R80712	22705	000231P2	PO# 521844	COLUM-Epitaxial Liftoff for Fully	
Office of Naval Research Fed Pass:							17,099.09
							-----
							81,348.56
U S Office of Naval Research:							
12.300	E21081	R52063	24605	001114	N00173-01-1-G000	OFFIC-Improving NQR Detection	
U S Office of Naval Research:							26,082.15
12.300	E21082	R52109	24605	010426	N00014-01-1-0913	OFFIC-RSI/Optical Analysis	
U S Office of Naval Research:							6,628.90
12.300	E21092	R50520	22505	980132	N00014-91-J-1953-MOD	PONR-Basic Theory of Crystal Decompo	
U S Office of Naval Research:							759.86
12.300	E21130	R51094	22505	980132	N00014-91-J-1953-MOD	PONR-Properties Energetic Solids	
U S Office of Naval Research:							100,332.35
12.300	E21152	R50991	22505	961105	N00014-97-1-0756-MOD	AONR-Electronic Structure Calculatio	
U S Office of Naval Research:							294.97-
							-----
							133,508.29
							-----
TOTAL FOR CFDA# 12.300							214,856.85
U S Army							
12.431	E20601	R51082	22705	970428	DAAG55-98-1-0082-MOD	PUSARM-Synthesis Novel Microstructur	
U S Army							692.17
12.431	E20604	R51185	22705	970428	DAAG55-98-1-0082-MOD	PUSARM-Synthesis Novel Microstructur	
U S Army							799.24-
							-----
							107.07-
							-----
TOTAL FOR CFDA# 12.431							107.07-

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CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
U S Air Force							
12.800	E21163	R51179	22505	980405	F49620-99-1-0088-MOD	PUSAIR-Upper Atmospheric Turbulence Financial Manager: M C Roggemann	156,765.90
12.800	E21167	R52066	22605	000369	F49620-01-1-0152	USAIR-Design of Smart Structures Financial Manager: G G Parker	24,553.11
12.800	E34353	S90330	22605	000369	F49620-01-1-0152	MTU - Wei Chen Assistantship Financial Manager: G G Parker	2,060.13
							183,379.14
U S Air Force Fed Pass Thru:							
12.800	E28545	R82002	22505	000945	Q00570	UNIVE-Improving the Performance of Financial Manager: M C Roggemann	17,283.57
							17,283.57
TOTAL FOR CFDA# 12.800							200,662.71
Defense Advan Rsch Projects Agency							
12.910	E28500	R82000	24405	991210	Y542471	UNIVE-Power Adaptive Microarchitect Financial Manager: S Onder	73,717.57
12.910	E34337	S90314	24405	991210	Y542471	MTU - Peng Zhou Assistantship Financial Manager: S Onder	12,045.80
							85,763.37
TOTAL FOR CFDA# 12.910							85,763.37
U S Geological Survey:							
15.808	E23009	R12004	24105	000649	00CRAG0041-AMD 0001	USGEO - YEAR 1 - Boreal Ecosystem Financial Manager: J H Adler	46,184.92
15.808	E23012	R52089	22555	010225	01WRAG0023	USGEO-RSI/Volcanic Hazards (Matias) Financial Manager: W I Rose	5,590.82
15.808	E23013	R52090	22555	010225	01WRAG0023	USGEO-RSI/Volcanic Hazards-Escobar Financial Manager: W I Rose	8,986.61
							60,762.35
TOTAL FOR CFDA# 15.808							60,762.35

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CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
U S Geological Survey:							
15.975	E23008	R10746	24105	970608	1434-CR-97-AG-00017-MOUSGEO-Boreal Watershed Ecosystem		
U S Geological Survey:						Financial Manager: J H Adler	24,251.63
							-----
							24,251.63
							-----
TOTAL FOR CFDA# 15.975							24,251.63
Federal Highway Admin Fed Pass Thru							
20.600	E26987	R62007	22405	000725	PROJ # TR-01-03	MIPOL-OHSP TC Roadsoft Training	
Federal Highway Admin Fed Pass Thru						Financial Manager: T L McNinch	2,710.79
							-----
							2,710.79
							-----
TOTAL FOR CFDA# 20.600							2,710.79
National Science Foundation:							
47.041	E23104	R51081	22205	970633	BES-9727651-AMD004	NSF - Open Internet-Based Workshop	
National Science Foundation:						Financial Manager: D R Shonnard	2,100.00
47.041	E23108	R51092	22505	970714	ECS-9733148-AMD 005	NSF-Dvlp Intelligent Info Processor	
National Science Foundation:						Financial Manager: N N Schulz	134,280.10
47.041	E23119	R51134	22705	971022	BES-9802198	NSF-Binding Mechanisms of Fly-Ash	
National Science Foundation:						Financial Manager: S K Kawatra	21,887.28
47.041	E23121	R51141	22205	980525	BES-9814504-AMD 001	NSF-Assess Software Chem Mfg Indust	
National Science Foundation:						Financial Manager: D R Shonnard	39,917.24
47.041	E23122	R51147	24205	980346	EEC-9872533	NSF-Redesign Engg Education	
National Science Foundation:						Financial Manager: D A Lynch	5,676.02
47.041	E23123	R51148	21105	980346	EEC-9872533	NSF-Redesign Engg Education	
National Science Foundation:						Financial Manager: B P Joyce	21,722.25
47.041	E23124	R51149	22405	980346	EEC-9872533	NSF-Redesign Engg Education	
National Science Foundation:						Financial Manager: S A Sorby	29,148.43
47.041	E23127	R51151	22555	980346	EEC-9872533	NSF-Redesign Engg Education	
National Science Foundation:						Financial Manager: J S Gierke	8,247.94

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CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
47.041 National Science Foundation:	E23128	R51152	22005	980346	EEC-9872533 Financial Manager:	NSF-Redesign Engg Education M R Plichta	92,542.81
47.041 National Science Foundation:	E23129	R51153	22005	980346	EEC-9872533 Financial Manager:	NSF-Redesign Engg Education M R Plichta	36,460.43
47.041 National Science Foundation:	E23132	R51181	22005	980346	EEC-9872533 Financial Manager:	NSF - MTU Project Cost/Share M R Plichta	140,005.42
47.041 National Science Foundation:	E23140	R51199	22605	980726	DMI-9875251-AMD 002 Financial Manager:	NSF-Hybrid Processes for Machining M H Miller	85,956.79
47.041 National Science Foundation:	E23144	R51215	22217	981217	DMI-9973278-AMD 002 Financial Manager:	NSF-POWRE: Synergistic Effects J A King	24,611.49
47.041 National Science Foundation:	E23145	R51220	22505	970714	ECS-9733148-AMD 005 Financial Manager:	NSF-Dvlp Intelligent Info Processor N N Schulz	9,758.50
47.041 National Science Foundation:	E23152	R51243	22205	970633	BES-9727651-AMD004 Financial Manager:	NSF - Open Internet-Based Workshop D R Shonnard	5,000.00
47.041 National Science Foundation:	E23153	R51245	22205	980525	BES-9814504-AMD 001 Financial Manager:	NSF-REU Assessment of Software Mfg D R Shonnard	3,402.82
47.041 National Science Foundation:	E23160	R51258	22605	990222	CMS-9977462 Financial Manager:	NSF-Nanoindentation Testing System I Miskioglu	10,348.05
47.041 National Science Foundation:	E23167	R51266	22505	980346	EEC-9872533 Financial Manager:	NSF - MTU Project Cost/Share D H Stone	5,286.23
47.041 National Science Foundation:	E23168	R51278	22605	990401	CMS-9978758-AMD 001 Financial Manager:	NSF - Gradient Theory: What is Next E C Aifantis	43,230.19
47.041 National Science Foundation:	E23169	R51282	22217	981217	DMI-9973278-AMD 002 Financial Manager:	NSF-POWRE: REU-Synergistic Effects J A King	3,090.96
47.041 National Science Foundation:	E23170	R51287	22805	980346	EEC-9872533 Financial Manager:	NSF-Redesign Engg Education R Gertsch	1,799.52
47.041 National Science Foundation:	E23171	R51289	22605	980726	DMI-9875251-AMD 002 Financial Manager:	NSF - REU-Hybrid Process for Machin M H Miller	3,574.87
47.041 National Science Foundation:	E23188	R52000	22605	991002	DMI-0070088 Financial Manager:	NSF-Kinematic Coagulation Mechanism D J Michalek	65,897.39

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47.041 National Science Foundation:	E23190	R52007	28905	000139	BES-0079969-AMD 002 Financial Manager:	NSF-Projects to Assist Disabled D D Wright	9,052.11
47.041 National Science Foundation:	E23191	R52010	22405	000134	CMS-0079469 Financial Manager:	NSF - Instrumentation (MRI) T J Van Dam	158,761.06
47.041 National Science Foundation:	E23193	R52013	22605	000728	DMI-0084903 Financial Manager:	NSF-Selection Industrial Coatings J K Gershenson	45,649.25
47.041 National Science Foundation:	E23196	R52021	24605	000203	ECS-0091648 Financial Manager:	NSF-Magnetic Photonic Crystals M Levy	22,948.13
47.041 National Science Foundation:	E23201	R52054	22805	971022	BES-9802198 Financial Manager:	NSF-Binding Mechanisms of Fly-Ash S K Kawatra	18,618.91
47.041 National Science Foundation:	E23209	R52070	22605	980726	DMI-9875251-AMD 002 Financial Manager:	NSF-Hybrid Processes for Machining M H Miller	17,803.76
47.041 National Science Foundation:	E23211	R52084	22405	000134	CMS-0079469 Financial Manager:	MTU-MRI Instrumentation Cost/Share T J Van Dam	7,624.47
47.041 National Science Foundation:	E23212	R52086	28905	000139	BES-0079969-AMD 002 Financial Manager:	NSF-Projects to Assist Disabled D D Wright	5,585.37
47.041 National Science Foundation:	E23213	R52091	22555	000235	BES-0083112 Financial Manager:	NSF/Metrics-Envir Remediation Prblm A S Mayer	3,260.98
47.041 National Science Foundation:	E23216	R52098	22605	991002	DMI-0070088 Financial Manager:	NSF - (REU) Kinematic Coagulation D J Michalek	1,256.48
47.041 National Science Foundation:	E24120	R50814	22205	950424	CTS-9523936-AMD 005 Financial Manager:	NSF-Conductivity/Reaction Pathways M E Mullins	435.96
47.041 National Science Foundation:	E24138	R50870	22555	940322	CMS-9414361-AMD006 Financial Manager:	NSF-Aquifer Heterogenetity Estimate C T Young	396.83-
47.041 National Science Foundation:	E24156	R50946	22505	960916	EEC-9619646-AMD 002 Financial Manager:	NSF-GaAs-Based Integrated Circuits A K GoeI	2,439.93
47.041 National Science Foundation:	E24170	R50985	22605	970345	DMI-9628984-AMD 005 Financial Manager:	NSF-Career Award Scientists/Engrs J W Sutherland	50,707.10
47.041 National Science Foundation:	E24175	R50996	22505	960910	ECS-9619320-AMD002 Financial Manager:	NSF-Multimedia Course Elec Energy L J Bohmann	101,942.72

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CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
47.041 National Science Foundation:	E24181	R51015	22605	970345	DMI-9628984-AMD 005 Financial Manager:	NSF-REU Career Award Scientists/Eng J W Sutherland	8,885.03
47.041 National Science Foundation:	E24184	R51021	22505	960910	ECS-9619320-AMD002 Financial Manager:	NSF-Multimedia Course Elec Energy N N Schulz	1,116.23
47.041 National Science Foundation:	E24194	R51050	22205	970633	BES-9727651-AMD004 Financial Manager:	NSF - Open Internet-Based Workshop D R Shonnard	24,066.95
47.041 National Science Foundation:	E24195	R51051	22205	970633	BES-9727651-AMD004 Financial Manager:	NSF - Open Internet-Based Workshop D R Shonnard	6,417.19
47.041 National Science Foundation:	E24197	R51062	22605	950928	DMI-9622246-AMD 004 Financial Manager:	NSF-Flow Simulation & Mold Design M Gupta	2,971.88
47.041 National Science Foundation Fed Pas	E25375	R80686	24605	991201	PO # 516843 Financial Manager:	COLUM-XYZ-On-A-Chip/Integration Tec M Levy	29,883.87
47.041 National Science Foundation Fed Pas	E25376	R80688	22705	991201	PO # 516843 Financial Manager:	COLUM-XYZ-On-A-Chip/Integration Tec M Levy	19,771.37
47.041 National Science Foundation Fed Pas	E28491	R80620	22705	961211	ECS97-07800 Mod 1 Financial Manager:	UNIVE-Single & Coupled Quantum-Dots S A Hackney	4,101.87
47.041 National Science Foundation Fed Pas	E28520	R80629	22705	970824	98-0-1/PO# 0000083512 Financial Manager:	UNIVE-Interfacial Chemistry Analyti J W Drelich	17,348.50
47.041 National Science Foundation:	E34105	S90260	22705	971022	BES-9802198 Financial Manager:	MTU - S. Jayson Ripke Fellowship S K Kawatra	1,125.00
47.041 National Science Foundation:	E34304	S90277	22605	970345	DMI-9628984-AMD 005 Financial Manager:	MTU-Aleksandar Filipovic Assistant J W Sutherland	1,424.52
47.041 National Science Foundation:	E34324	S90300	22605	991002	DMI-0070088 Financial Manager:	MTU - Chuanxi Ju Assistantship D J Michalek	18,044.88
47.041 National Science Foundation:	E34330	S90306	22505	960910	ECS-9619320-AMD002 Financial Manager:	MTU - Yanfeng Gong Assistantship L J Bohmann	15,212.02
47.041 National Science Foundation:	E34331	S90307	22705	971022	BES-9802198 Financial Manager:	MTU - S. Jayson Ripke Assistantship S K Kawatra	2,136.44
47.041 National Science Foundation:	E34336	S90312	22805	971022	BES-9802198 Financial Manager:	MTU - S. Jayson Ripke Assistantship S K Kawatra	9,563.42

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47.041	E34350	S90327	22605	980726	DMI-9875251-AMD 002	MTU - Xiaorui Fan Assistantship M H Miller	2,060.13
National Science Foundation:							
							1,403,763.43
TOTAL FOR CFDA# 47.041							1,403,763.43
National Science Foundation:							
47.049	E23117	R51131	24305	970935	DMS-9800673-AMD 001	NSF-Integral Methods Science/Eng 98 Financial Manager: B S Bertram	2,495.40
National Science Foundation:							
47.049	E23149	R51235	22717	981035	DMR-9972941-AMD 002	NSF - FRG: Mechanical Instabilities Financial Manager: W W Milligan	159,541.12
National Science Foundation:							
47.049	E23150	R51236	22617	981035	DMR-9972941-AMD 002	NSF - FRG: Mechanical Instabilities Financial Manager: E C Aifantis	21,899.62
National Science Foundation:							
47.049	E23151	R51237	22317	981035	DMR-9972941-AMD 002	NSF- FRG: Mechanical Instabilities Financial Manager: J G Williams	20,732.59
National Science Foundation:							
47.049	E23156	R51253	24305	981201	DMS-9973308-AMD 002	NSF - Large-Scale Optimization Financial Manager: M S Gockenbach	13,138.89
National Science Foundation:							
47.049	E23177	R51299	24605	990622	CHE-9981874	NSF-Generalized Ensemble Algorithms Financial Manager: U H Hansmann	47,664.26
National Science Foundation:							
47.049	E23194	R51334	22305	000133	CHE-0079158	NSF-Stretched Dihydrogen Ligand Financial Manager: R L Luck	19,880.97
National Science Foundation:							
47.049	E24144	R50884	22705	951013	DMR-9624456-AMD 006	NSF-Epitaxial Nanostructure Silicon Financial Manager: D J Swenson	43,926.23
National Science Foundation:							
47.049	E24158	R50958	24605	960819	AST-9618803-AMD 005	NSF-RSI/Deep Circumstellar Imaging Financial Manager: C Ftacfas	36,000.30
National Science Foundation:							
47.049	E24164	R50972	22705	961032	DMR-9702263-AMD 003	NSF-Glass Forming Ability Alloys Financial Manager: D J Swenson	60,393.54
National Science Foundation:							
47.049	E24171	R50987	24605	960941	PHY-9605213-AMD 002	NSF-Prop. Lanthanide/Actinide Atoms Financial Manager: D R Beck	11,599.93
National Science Foundation:							
47.049	E24178	R51008	24605	961023	AST-9701716-AMD 002	NSF-RSI/Understand Temporal Univers Financial Manager: R J Nemiroff	147,705.40
National Science Foundation:							

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CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
47.049	E34325	S90301	22717	981035	DMR-9972941-AMD 002	MTU - Sheng Cheng Assistantship Financial Manager: W W Milligan	11,680.47
National Science Foundation:							
47.049	E34329	S90304	24605	961023	AST-9701716-AMD 002	MTU - Xiangqian Yu Assistantship Financial Manager: R J Nemirosso	10,022.71
National Science Foundation:							
47.049	E34333	S90309	24605	990622	CHE-9981874	MTU - Qiang Yang Assistantship Financial Manager: U H Hansmann	3,808.88
National Science Foundation:							
							610,490.31
TOTAL FOR CFDA# 47.049							610,490.31
National Science Foundation:							
47.050	E23113	R51115	22555	980207	EAR-9810773	NSF-Superconduct Rock Magnetrometer Financial Manager: J F Diehl	345.86
National Science Foundation:							
47.050	E23158	R51256	22555	981152	EAR-9903291	NSF - AD 260 Eruption-Lake Ilopango Financial Manager: J W Vallance	25,389.70
National Science Foundation:							
47.050	E23174	R51293	24605	990722	ATM-9984294-AMD 001	NSF-Laboratory Studies of Clouds Financial Manager: R A Shaw	89,595.49
National Science Foundation:							
47.050	E23178	R51304	22555	991113	EAR-0073281	NSF-Grad Stndt Trvl Support-IAVCEI Financial Manager: W I Rose	4,575.86
National Science Foundation:							
47.050	E23180	R51310	22555	970312	OCE-9712872-AMD 005	NSF-Impact of the Keweenaw Current Financial Manager: J W Budd	12,645.75
National Science Foundation:							
47.050	E23186	R51330	24107	970222	OCE-9726680-AMD 003	NSF-Magnitude of Turbidity Plumes Financial Manager: C Kerfoot	5,000.00
National Science Foundation:							
47.050	E23187	R51331	22583	970222	OCE-9726680-AMD 003	NSF-Magnitude of Turbidity Plumes Financial Manager: J W Budd	5,000.00
National Science Foundation:							
47.050	E24143	R50883	22555	951202	EAR-9628575	NSF-Eruptive History Mount Rainier Financial Manager: J W Vallance	425.81
National Science Foundation:							
47.050	E24148	R50892	24605	950312	ATM-9512685-AMD 003	NSF-RSI/Polarimetric Doppler Radar Financial Manager: A B Kostinski	55,246.37
National Science Foundation:							
47.050	E24168	R50982	22555	961142	EAR-9705718-AMD 001	NSF-Magnetic Susceptibility Variati Financial Manager: J F Diehl	7,675.25
National Science Foundation:							

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47.050 National Science Foundation:	E24186	R51028	24107	970222	OCE-9726680-AMD 003 Financial Manager:	NSF-RSI/Magnitude Turbidity Plumes C Kerfoot	59,274.57
47.050 National Science Foundation:	E24187	R51029	22583	970222	OCE-9726680-AMD 003 Financial Manager:	NSF-RSI/Magnitude Turbidity Plumes J W Budd	110,824.26
47.050 National Science Foundation:	E24188	R51040	22305	970312	OCE-9712872-AMD 005 Financial Manager:	NSF-RSI/Impact of Keweenaw Current S A Green	255,070.36
47.050 National Science Foundation:	E24189	R51041	24105	970312	OCE-9712872-AMD 005 Financial Manager:	NSF-RSI/Impact of Keweenaw Current C Kerfoot	104,607.86
47.050 National Science Foundation:	E24190	R51042	24105	970312	OCE-9712872-AMD 005 Financial Manager:	NSF-Impact of the Keweenaw Current N A Auer	90,327.37
47.050 National Science Foundation:	E24191	R51043	22555	970312	OCE-9712872-AMD 005 Financial Manager:	NSF-RSI/Impact of Keweenaw Current J W Budd	30,102.81
47.050 National Science Foundation:	E24192	R51044	22405	970312	OCE-9712872-AMD 005 Financial Manager:	NSF-Impact of the Keweenaw Current N R Urban	75,944.88
47.050 National Science Foundation:	E24193	R51045	22405	970312	OCE-9712872-AMD 005 Financial Manager:	NSF-Impact of the Keweenaw Current M T Auer	102,915.78
47.050 National Science Foundation:	E24196	R51055	22555	970541	EAR-9725682 Financial Manager:	NSF-Vol. Cloud/Atmosphere Interact W I Rose	230.77
47.050 National Science Foundation:	E34039	S90193	22405	970312	OCE-9712872-AMD 005 Financial Manager:	MTU - Jaebong Jeong Fellowship N R Urban	1,125.00
47.050 National Science Foundation:	E34309	S90283	22305	970312	OCE-9712872-AMD 005 Financial Manager:	MTU - Adrian Pishko Assistantship S A Green	11,451.52
47.050 National Science Foundation:	E34312	S90285	22555	970222	OCE-9726680-AMD 003 Financial Manager:	MTU - Dave Osterberg Assistantship J W Budd	1,774.58
47.050 National Science Foundation:	E34314	S90286	22555	970312	OCE-9712872-AMD 005 Financial Manager:	MTU - Hanyi Li Assistantship J W Budd	19,153.74
47.050 National Science Foundation:	E34320	S90293	24105	970312	OCE-9712872-AMD 005 Financial Manager:	MTU - Jason Kahn Assistantship N A Auer	10,072.15
47.050 National Science Foundation:	E34322	S90296	22555	970541	EAR-9725682 Financial Manager:	MTU - Song Guo Assistantship W I Rose	3,205.02

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CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
47.050	E34326	S90305	22555	970541	EAR-9725682	MTU - Nancy Hoft Assistantship	
National Science Foundation:						Financial Manager: W I Rose	4,807.00
47.050	E34327	S90302	22405	970312	OCE-9712872-AMD 005	MTU - Jaebong Jeong Assistantship	
National Science Foundation:						Financial Manager: N R Urban	17,665.92
47.050	E34334	S90311	24105	970312	OCE-9712872-AMD 005	MTU - Justin Compton Assistantship	
National Science Foundation:						Financial Manager: C Kerfoot	17,502.04
47.050	E34339	S90316	24605	990722	ATM-9984294-AMD 001	MTU-Alexsandr Sergeyev Assistantshp	
National Science Foundation:						Financial Manager: R A Shaw	5,624.23
47.050	E34351	S90328	22305	970312	OCE-9712872-AMD 005	MTU - Sijiong Mou Assistantship	
National Science Foundation:						Financial Manager: S A Green	1,285.71
							-----
							1,128,865.66
							-----
TOTAL FOR CFDA# 47.050							1,128,865.66
National Science Foundation:							
47.070	E23120	R51139	24405	980145	EIA-9871133	NSF - Computational Facilities	
National Science Foundation:						Financial Manager: S R Seidel	18,431.00
47.070	E23135	R51193	24605	980145	EIA-9871133	NSF - Computational Facilities	
National Science Foundation:						Financial Manager: J A Jaszczak	10,243.30
47.070	E23136	R51194	22605	980145	EIA-9871133	NSF - Computational Facilities	
National Science Foundation:						Financial Manager: D J Michalek	16,367.39
47.070	E23179	R51308	24405	990717	CCR-9984682-AMD 001	NSF-CAREER: Distributed Computation	
National Science Foundation:						Financial Manager: J Mayo	35,844.00
47.070	E23204	R52060	22505	000521	CCR-0086609-AMD 001	NSF - SGER: Interconnect Problem	
National Science Foundation:						Financial Manager: A K Goe1	12,841.85
47.070	E23206	R52062	24405	000735	ACI-0093139	NSF-CSE/CAREER: Air Quality Models	
National Science Foundation:						Financial Manager: A Sandu	15,540.00
47.070	E24122	R50825	22505	941016	CCR-9501163-AMD 002	NSF-Electron Microscopy & Astronomy	
National Science Foundation:						Financial Manager: T J Schulz	41.66-
							-----
							109,225.88
							-----
TOTAL FOR CFDA# 47.070							109,225.88

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National Science Foundation:							
47.074	E23105	R51084	23007	960614	DEB-9615509-AMD 004	NSF-Below-Ground Carbon Allocation	
National Science Foundation:						Financial Manager: K S Pregitzer	4,848.69
47.074	E23154	R51246	23005	981224	DEB-9903671-AMD 001	NSF-Multi-trophic Level Dynamics	
National Science Foundation:						Financial Manager: R O Peterson	80,624.46
47.074	E23192	R52011	23005	000135	DBI-0079566	NSF-Major Research Instrumentation	
National Science Foundation:						Financial Manager: K S Pregitzer	263,301.85
47.074	E23195	R52019	23005	991222	DEB-0075397-AMD 002	NSF - Plant-Microbe Interactions	
National Science Foundation:						Financial Manager: K S Pregitzer	111,537.50
47.074	E23198	R52045	24107	000304	DEB-0083731-AMD 001	NSF - Aquatic Food Webs	
National Science Foundation:						Financial Manager: C Kerfoot	2,907.62
47.074	E23215	R52097	23005	981224	DEB-9903671-AMD 001	NSF-Multi-trophic Level Dynamics	
National Science Foundation:						Financial Manager: R O Peterson	3,625.00
47.074	E24151	R50912	23007	951208	DEB-9629842-AMD 005	NSF-Cycling N03-N N. Hrdwd. Forests	
National Science Foundation:						Financial Manager: K S Pregitzer	12,751.06
47.074	E24161	R50966	23007	960614	DEB-9615509-AMD 004	NSF-Below-Ground Carbon Allocation	
National Science Foundation:						Financial Manager: K S Pregitzer	27,260.37
47.074	E24162	R50968	23007	951208	DEB-9629842-AMD 005	NSF-Cycling N03-N N. Hrdwd. Forests	
National Science Foundation:						Financial Manager: K S Pregitzer	519.62
47.074	E24198	R51069	24105	970737	MCB-9727982-AMD 002	NSF-Function of Nitrate Reductase	
National Science Foundation:						Financial Manager: W H Campbell	56,694.21
47.074	E28499	R80619	23007	961149	SUB DEB97-07426	UNIVE-RSI/Carbon & Energy	
National Science Foundation Fed Pas						Financial Manager: J Chen	41,766.55
47.074	E34341	S90318	24105	970737	MCB-9727982-AMD 002	MTU - Guillaume Barbier Assisntntshp	
National Science Foundation:						Financial Manager: W H Campbell	4,807.00
							-----
							610,643.93
							-----
TOTAL FOR CFDA# 47.074							610,643.93

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CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
National Science Foundation:							
47.075	E23112	R51114	22305	980301	INT-9811606	NSF - Lanthanide Complexes Financial Manager: J P Riehl	452.78
National Science Foundation:							
47.075	E23116	R51130	22705	980131	INT-9809889	NSF - US-Egypt Co-Op Research Financial Manager: S K Kawatra	254.91
National Science Foundation:							
47.075	E23134	R51189	22555	990318	INT-9815784	NSF-Simulation 92 Mt Spurr Eruption Financial Manager: W I Rose	46.08
National Science Foundation:							
47.075	E23141	R51209	24805	980728	SES-9817913	NSF-Monitoring Tech/Pollution Cntrl Financial Manager: H S Gorman	49,725.78
National Science Foundation:							
47.075	E23155	R51248	22705	980814	INT-9819332	NSF-Inorganic Mineral Particles Financial Manager: J W Drelich	234.31
National Science Foundation:							
47.075	E23181	R51316	22805	000518	INT-0001390	NSF - U.S.-Brazil/Mining Impacts Financial Manager: O F Otuonye	4,779.95
National Science Foundation:							
47.075	E23200	R52052	22805	980131	INT-9809889	NSF - US-Egypt Co-Op Research Financial Manager: S K Kawatra	2,284.09
National Science Foundation:							
47.075	E24154	R50934	22555	960519	INT-9613647-AMD 004	NSF-Volcanic Hazard in El Salvador Financial Manager: W I Rose	534.19-
							-----
							57,243.71
							-----
TOTAL FOR CFDA# 47.075							57,243.71
National Science Foundation:							
47.076	E23101	R51076	22405	960611P3	DUE-9752660	NSF-Multi-Media Software Develop 3- Financial Manager: S A Sorby	15,602.91
National Science Foundation:							
47.076	E23102	R51077	24305	960611P3	DUE-9752660	NSF-Multi-Media Software Develop 3- Financial Manager: B J Baartmans	995.89
National Science Foundation:							
47.076	E23114	R51116	22305	971108	DUE-9850700	NSF-Computer Modeling Experiments Financial Manager: R E Brown	2,309.18
National Science Foundation:							
47.076	E23115	R51123	24405	980116	CCR-9870871-AMD 003	NSF-Code Generation for ILP Financial Manager: S M Carr	67,254.83

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47.076 National Science Foundation:	E23143	R51212	24405	980116	CCR-9870871-AMD 003 Financial Manager:	NSF-REU/Code Generation for ILP S M Carr	2,446.90
47.076 National Science Foundation:	E23146	R51224	22405	981123	DUE-9950506-AMD 001 Financial Manager:	NSF-Experiential Learning Modules K G Paterson	104,875.08
47.076 National Science Foundation:	E23148	R51233	22555	981116	DUE-9950213 Financial Manager:	NSF-Geology Utah's Nat'l Parks J E Huntoon	95,562.52
47.076 National Science Foundation:	E23161	R51260	22071	990503	DGE-9979572-AMD 003 Financial Manager:	NSF - MTU Grad Teaching Fellows S A Sorby	1,496.89
47.076 National Science Foundation:	E23162	R51261	24405	990503	DGE-9979572-AMD 003 Financial Manager:	NSF - MTU Grad Teaching Fellows L M Ott	12,973.61
47.076 National Science Foundation:	E23163	R51262	22405	990503	DGE-9979572-AMD 003 Financial Manager:	NSF - MTU Grad Teaching Fellows J F Schumaker-Chadde	13,614.27
47.076 National Science Foundation:	E23164	R51263	24305	990503	DGE-9979572-AMD 003 Financial Manager:	NSF - MTU Grad Teaching Fellows B J Baartmans	16,852.32
47.076 National Science Foundation:	E23165	R51264	24305	990503	DGE-9979572-AMD 003 Financial Manager:	NSF - MTU Grad Teaching Fellows B J Baartmans	218,952.15
47.076 National Science Foundation:	E23166	R51265	22555	981105	DUE-9950729 Financial Manager:	NSF-X-Ray Diffractometry Applicatio S D McDowell	130,186.86
47.076 National Science Foundation:	E23172	R51290	24405	990538	DUE-9952621 Financial Manager:	NSF - Computer Graphics C Shene	61,612.70
47.076 National Science Foundation:	E23173	R51292	22071	990503	DGE-9979572-AMD 003 Financial Manager:	NSF - MTU Grad Teaching Fellows S A Sorby	91,972.99
47.076 National Science Foundation:	E23175	R51295	24405	990607	DUE-9952509 Financial Manager:	NSF - Concurrent Computing S M Carr	135,056.61
47.076 National Science Foundation:	E23182	R51320	22071	990830	DUE-9953189 AMD 001 Financial Manager:	NSF-Engineering in Pre-College Ed S A Sorby	137,092.35
47.076 National Science Foundation:	E23189	R52003	24305	990503	DGE-9979572-AMD 003 Financial Manager:	NSF-GK-12 Supplement:Trvl-Malaysia B J Baartmans	9,854.33
47.076 National Science Foundation:	E23202	R52055	22817	990823	ESI-9911894 Financial Manager:	NSF-ADV ACCT-Earth Science Institut O F Otuonye	134,300.64

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CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
-----							
47.076	E23203	R52056	22817	990823	ESI-9911894	NSF-ADV ACCT-Part. Cost-Sci. Instit	
National Science Foundation:						Financial Manager: O F Otuonye	339.93
47.076	E23210	R52078	22405	000611	DUE-0088282	NSF-Op Lab/Simulation Ctr-Envir Eng	
National Science Foundation:						Financial Manager: D W Hand	4,723.87
47.076	E24174	R50993	22605	961130	DUE-9750571 AMD 001	NSF-Integrated Thermal Science Lab	
National Science Foundation:						Financial Manager: N V Suryanarayana	4,596.09
47.076	E34313	S90297	24405	980116	CCR-9870871-AMD 003	MTU - Yi Qian Assistantship	
National Science Foundation:						Financial Manager: S M Carr	9,614.00
							-----
							1,272,286.92
							-----
TOTAL FOR CFDA# 47.076							1,272,286.92
National Science Foundation:							
47.078	E23100	R51073	22405	970537	OPP-9725463-AMD 003	NSF-RSI/Reactive Nitrogen Oxides	
National Science Foundation:						Financial Manager: R E Honrath	52,929.39
47.078	E23157	R51255	22405	990234	OPP-9907197-AMD 004	NSF/RSI-Photochemical Transformation	
National Science Foundation:						Financial Manager: R E Honrath	74,124.97
47.078	E23159	R51257	22405	990434	OPP-9979497-AMD 001	NSF/RSI-Nitrogen Oxide Arctic Marin	
National Science Foundation:						Financial Manager: R E Honrath	99,607.92
							-----
							226,662.28
							-----
TOTAL FOR CFDA# 47.078							226,662.28
U S Environmental Protection Agency:							
66.500	E24217	R51053	22555	961120	CR825697-01-3-AMD NO.3EPA-Design Guidance Air Sparging		
U S Environmental Protection Agency:						Financial Manager: J S Gierke	20,713.00
66.500	E24218	R51054	22405	961120	CR825697-01-3-AMD NO.3EPA-Design Guidance Air Sparging		
U S Environmental Protection Agency:						Financial Manager: N J Hutzler	38,148.50
66.500	E24222	R51125	23005	971021	CR826541-01-0	EPA-Below Ground Ecosystem Function	
U S Environmental Protection Agency:						Financial Manager: K S Pregitzer	67,140.19
66.500	E24223	R51128	22555	980115	CR826614-01-0	EPA - Environmental Remediation	
U S Environmental Protection Agency:						Financial Manager: A S Mayer	56,519.14

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66.500	E24234	R51283	23005	980608	CR 827940-01-0	EPA-ADV ACCT-Ecosystem Response	
U S Environmental Protection Agency:							13,570.93
							-----
							196,091.76
							-----
TOTAL FOR CFDA# 66.500							196,091.76
U S Environmental Protection Agency:							
66.501	E24208	R50964	22405	960238	R825370-01-4-AMD 4	EPA - CenCITT Subcontracts	
U S Environmental Protection Agency:							319,648.69
66.501	E24209	R50965	22405	960238	R825370-01-4-AMD 4	EPA - CenCITT Administration	
U S Environmental Protection Agency:							286,850.59
66.501	E24212	R50981	22205	960238	R825370-01-4-AMD 4	EPA-Physical Property Mgt System	
U S Environmental Protection Agency:							27,402.83
66.501	E24213	R50992	22405	960238	R825370-01-4-AMD 4	EPA - CenCITT/Civil Cost Share	
U S Environmental Protection Agency:							51,002.50
66.501	E24215	R50997	22205	960238	R825370-01-4-AMD 4	EPA-Design Aides Process Analysis	
U S Environmental Protection Agency:							639.65
66.501	E24225	R51201	22405	960238	R825370-01-4-AMD4	EPA-Automated Linkages-P2 Software	
U S Environmental Protection Agency:							87,146.01
66.501	E24226	R51202	22405	960238	R825370-01-4-AMD4	EPA-Prod of Methanol from Methane	
U S Environmental Protection Agency:							28,688.40
66.501	E24227	R51203	22405	960238	R825370-01-4-AMD4	EPA-Indices for Green Chemical Prod	
U S Environmental Protection Agency:							37,477.08
66.501	E24228	R51204	22705	960238	R825370-01-4-AMD4	EPA-Recycling of Waste Polymer	
U S Environmental Protection Agency:							35,072.53
66.501	E24229	R51205	22405	960238	R825370-01-4-AMD4	EPA-Implementation of P2 Framework	
U S Environmental Protection Agency:							43,962.52
66.501	E24230	R51206	22205	960238	R825370-01-4-AMD4	EPA-Integrated Applications of CPAS	
U S Environmental Protection Agency:							7,335.57
66.501	E24231	R51207	22205	960238	R825370-01-4-AMD4	EPA-Integrated Applications of CPAS	
U S Environmental Protection Agency:							29,656.36

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CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
66.501	E24232	R51208	22205	960238	R825370-01-4-AMD4	EPA-Integrated Applications of CPAS Financial Manager: T N Rogers	29,569.25
U S Environmental Protection Agency:							
66.501	E34113	S90268	22405	960238	R825370-01-4-AMD4	MTU - Ji Yang Fellowship Financial Manager: D W Hand	9,286.50
U S Environmental Protection Agency:							
66.501	E34316	S90288	22405	960238	R825370-01-4-AMD4	MTU - Qiong Zhang Assistantship Financial Manager: J R Miheicic	16,791.40
U S Environmental Protection Agency:							
66.501	E34340	S90317	22405	960238	R825370-01-4-AMD 4	MTU - Ji Yang Assistantship Financial Manager: J C Crittenden	4,807.00
U S Environmental Protection Agency:							
66.501	E34352	S90329	22405	960238	R825370-01-4-AMD 4	MTU - Qiong Zhang Assistantship Financial Manager: D W Hand	2,060.13
U S Environmental Protection Agency:							
							----- 1,017,397.01 -----
TOTAL FOR CFDA# 66.501							1,017,397.01
U S Environmental Protection Agency:							
66.504	E24794	R50932	22555	960241	R825405-01-3-AMD3	EPA-Investigation of Mass Transfer Financial Manager: A S Mayer	24,614.83
U S Environmental Protection Agency:							
66.504	E34342	S90319	22555	960241	R825405-01-3-AMD3	MTU-Raghuraman Venkatapathy Astnshp Financial Manager: A S Mayer	6,260.50
U S Environmental Protection Agency:							
							----- 30,875.33 -----
TOTAL FOR CFDA# 66.504							30,875.33
U S Environmental Protection Agency:							
66.606	E24216	R51024	22405	970623	X-82591901-AMD 6	EPA-Compliance Assistance Center Financial Manager: B D Solomon	3,325.91
U S Environmental Protection Agency:							
66.606	E24224	R51176	22405	970623	X-82591901-AMD 6	EPA-Compliance Assistance Center Financial Manager: J C Crittenden	9,667.74
U S Environmental Protection Agency:							
66.606	E24233	R51221	22405	981253	X995434-01-2	EPA-Baseline Sustainability Data Financial Manager: K L Bradof	19,898.03
U S Environmental Protection Agency:							
66.606	E24235	R51311	24805	970623	X-82591901-AMD 6	EPA - Compliance Assistance Center Financial Manager: B D Solomon	194,996.08
U S Environmental Protection Agency:							
							----- 188,091.70 -----
TOTAL FOR CFDA# 66.606							188,091.70

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MICHIGAN TECHNOLOGICAL UNIVERSITY  
 Research - Summary Expense by CFDA#  
 From 07/01/2000 to 06/30/2001

CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
U S Enviromental Protection Agency:							
66.951	E24236	R51324	22405	991119	NE-97525801-0	EPA-Lake Superior Youth Symposium	
U S Enviromental Protection Agency:						Financial Manager: J F Schumaker-Chadde	16,886.00
66.951	E24237	R52023	22405	991118	NE-82852801-0	EPA-Watershed Planning & Management	
U S Enviromental Protection Agency:						Financial Manager: D W Watkins	34,022.88
							-----
							50,908.88
							-----
TOTAL FOR CFDA# 66.951							50,908.88
U S Dept of Energy:							
81.035	E21699	R52073	22817	990806	DE-FC26-01NT41055	USENE-Improvement of Wear Component	
U S Dept of Energy:						Financial Manager: R Gertsch	18,957.15
81.035	E21700	R52074	28305	990806	DE-FC26-01NT41055	USENE-Improvement of Wear Component	
U S Dept of Energy:						Financial Manager: X Huang	17,036.45
81.035	E21704	R52092	22817	990526	DE-FC26-01NT41062	USENE-Comminution Circuit Thru-put	
U S Dept of Energy:						Financial Manager: S K Kawatra	43,075.10
							-----
							79,068.70
							-----
TOTAL FOR CFDA# 81.035							79,068.70
U S Dept of Energy:							
81.036	E21697	R51318	28305	990739	DE-FG36-00G010513	USENE-Innovative Glass Applications	
U S Dept of Energy:						Financial Manager: J M Gillis	40,000.00
							-----
							40,000.00
							-----
TOTAL FOR CFDA# 81.036							40,000.00
U S Dept of Energy:							
81.049	E21661	R50686	24605	911034	DE-FG02-92ER14282-AMD	DOE-Struc Constraints/Metal Atoms &	
U S Dept of Energy:						Financial Manager: D R Beck	77,608.79
81.049	E21674	R50842	23005	950413	DE-FG02-95ER62125-AMD	USENE-Forest Atmosphere Carbon Trsf	
U S Dept of Energy:						Financial Manager: D F Karnosky	560,954.47

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

CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
81.049	E21685	R51109	22205	971240	DE-FG07-98ER14862-AMD	USENE-Measurment & Model Hazardous Financial Manager: M E Mullins	5,935.30
U S Dept of Energy:							
81.049	E28502	R80623	23005	940223	V51573/F000354	MICHI-ADV ACCT-RSI/Flux Carbon Plan Financial Manager: K S Pregitzer	67,302.54
U S Dept of Energy Fed Pass Thru:							
81.049	E28602	R40777	23005	961127	W/GEC 97-021A	UNIVE-RSI-Carbon and Energy Budget Financial Manager: J Chen	20,854.05
U S Dept of Energy Fed Pass Thru:							
							732,655.15
TOTAL FOR CFDA# 81.049							732,655.15
U S Dept of Energy:							
81.086	E21682	R51022	23805	970416	DE-FC07-97ID3546-AMD	MUSENE-Reducing VOC Press Emission Financial Manager: G D McGinnis	187.27
U S Dept of Energy:							
81.086	E21690	R51154	22605	980716	DE-FC02-98CH10951-AMD	USENE-Grad Auto Tech Ed (GATE) Prgm Financial Manager: D L Abata	48,681.04
U S Dept of Energy:							
81.086	E21691	R51155	22817	980327	DE-FC07-98ID13663-AMD	USENE-Recycle/Reuse Aluminum Wastes Financial Manager: J Hwang	566,857.27
U S Dept of Energy:							
81.086	E21693	R51223	22605	980716	DE-FC02-98CH10951-AMD	USENE- GATE Program Fellowships Financial Manager: D L Abata	94,598.87
U S Dept of Energy:							
81.086	E21701	R52077	23005	000853	DE-FC36-01G010617-AMD	USENE-PBC/Genetic Augmentation Financial Manager: C Tsai	46,471.54
U S Dept of Energy:							
81.086	E21702	R52080	23005	000853	DE-FC36-01G010617-AMD	USENE-PBC/Genetic Augmentation Financial Manager: V L Chiang	13,601.38
U S Dept of Energy:							
81.086	E21705	R52111	22817	000910	DE-FC07-01ID14046	USENE-Steelmaking Slag Iron Content Financial Manager: J Hwang	1,200.82
U S Dept of Energy:							
81.086	E34303	S90276	28305	980327	DE-FC07-98ID13663-AMD	MTU - Hee-Joon Jeon Assistantship Financial Manager: J Hwang	13,810.80
U S Dept of Energy:							
81.086	E34332	S90308	22817	980327	DE-FC07-98ID13663-AMD	MTU - Jinjing Luo Assistantship Financial Manager: J Hwang	9,619.93
U S Dept of Energy:							
							795,028.92
TOTAL FOR CFDA# 81.086							795,028.92

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MICHIGAN TECHNOLOGICAL UNIVERSITY  
 Research - Summary Expense by CFDA#  
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CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
U S Dept of Energy:							
81.087	E21694	R51242	28305	990132	DE-FC36-99G010440-AMD	USENE-High Impact Rock Drill Bits Financial Manager: X Huang	29,102.91
U S Dept of Energy:							
81.087	E21695	R51284	22817	990132	DE-FC36-99G010440-AMD	USENE-High Impact Rock Drill Bits Financial Manager: R Gertsch	5,038.43
U S Dept of Energy:							
81.087	E25417	R40808	23005	990515	AGR # OR22072-121	CONSO-CBE-Design Promoter for Preci Financial Manager: C Tsai	10,533.00
U S Dept of Energy Fed Pass Thru:							
81.087	E25418	R40809	23005	990515	AGR # OR22072-121	CONSO-CBE-Design Promoter for Preci Financial Manager: C Tsai	9,004.22
U S Dept of Energy Fed Pass Thru:							
							53,678.56
TOTAL FOR CFDA# 81.087							53,678.56
U S Dept of Energy:							
81.107	E21696	R51307	22555	990520	DE-FC26-00BC15122-AMD	USENE-YR1/YR2-Shallow Carbon Rsvr. Financial Manager: J R Wood	569,314.84
U S Dept of Energy:							
							569,314.84
TOTAL FOR CFDA# 81.107							569,314.84
Dept of Education:							
84.200	E24878	R51327	22405	991003	P200A000425-01 ACTION	USEDU-YEAR 1 GAANN:Env Engg Fellows Financial Manager: J C Crittenden	119,385.58
Dept of Education:							
84.200	E24879	R51328	22555	991001	P200A000420-01 ACTION	USEDU-YEAR 1 GAANN:Geology Fellows Financial Manager: A S Mayer	59,729.57
Dept of Education:							
							179,115.15
TOTAL FOR CFDA# 84.200							179,115.15
National Institute of Health:							
93.262	E22427	R51229	24105	980609	R01/CCR515831-01-2	NIH-Impact Low-Emission Diesel Eng Financial Manager: S T Bagley	46,551.36
National Institute of Health:							

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MICHIGAN TECHNOLOGICAL UNIVERSITY  
 Research - Summary Expense by CFDA#  
 From 07/01/2000 to 06/30/2001

CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
93.262	E22428	R51230	22605	980609	R01/CCR515831-01-2	NIH-Impact Low-Emission Diesel Eng	31,508.99
National Institute of Health: Financial Manager:							78,060.35
TOTAL FOR CFDA# 93.262							78,060.35
GRAND TOTAL FOR CFDA's							11,235,643.79

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MICHIGAN TECHNOLOGICAL UNIVERSITY  
 Pass Through Grants and Contracts  
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 From 07/01/2000 to 06/30/2001

CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
Federal Highway Admin Fed Pass thru							
	E26988	R22008	22405	001141	JOB# 549510/01-MTU-1	MITRA-TC Devel Length of Stainless Financial Manager: T M Ahlborn	24,513.48
Federal Highway Admin Fed Pass thru							
	E26994	R22012	28605	001252	#55714/01-MTU-3	MITRA-Field Performance of Polymer Financial Manager: R G Alger	45,712.73
Federal Highway Admin Fed Pass thru							
	E26995	R22011	22405	000905	JOB # 55717/01-MTU-4	MITRA-TC-Center for Structural Dura Financial Manager: T M Ahlborn	28,849.74
Federal Highway Admin Fed Pass thru							
	E26996	R22010	22405	001226	JOB # 55715/01-MTU-6	MITRA-TC-Comparison of MDOT Schedul Financial Manager: K G Mattila	18,782.07
Federal Highway Admin Fed Pass thru							
	E26997	R22009	22405	001225	JOB # 55716 01-MTU-5	MITRA-TC-Work Item Production Rates Financial Manager: K G Mattila	17,225.19
Federal Highway Admin Fed Pass thru							
	E27069	R22003	28605	000828	54632/H0146	MITRA-Vehicle/Road Surface Noise Financial Manager: J R Blough	13,133.82
Federal Highway Admin Fed Pass thru							
							----- 148,217.03 -----
TOTAL FOR R2 FUNDS							148,217.03
Dept of Defense Fed Pass Thru:							
	E28420	R31369	28605	990507	PO 4600007580	TRWSY-Survivability Optimiz Financial Manager: G R Simula	8,922.73
Dept of Defense Fed Pass Thru:							
							----- 8,922.73 -----
U S Air Force Fed Pass Thru:							
	E26982	R31500	22505	000534	SC-TEMPEST1-00-0001	MISSI-Develop Advanced Tracking & A Financial Manager: M C Roggemann	31,723.64
U S Air Force Fed Pass Thru:							
							----- 31,723.64 -----
U S Tank Automotive Command Fed Pas							
	E28716	R32071	28605	001147	PO # PT16366-00	UDLPS-T158LL Bushing Insertion and Financial Manager: G R Simula	5,954.75
U S Tank Automotive Command Fed Pas							
							----- 5,954.75 -----
TOTAL FOR R3 FUNDS							46,601.12

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MICHIGAN TECHNOLOGICAL UNIVERSITY  
 Pass Through Grants and Contracts  
 Expense Summary  
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CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
Dept of Defense Fed Pass Thru:							
	E26730	R40762	28305	990511	PO # PL00100942 AN	Confidential Research Agreement	
Dept of Defense Fed Pass Thru:				Financial Manager:	M G McKimpson		33,485.13
	E27766	R40795	22505	000554	PO # 22928	OPTIM-Simulating and Assessing Turb	
Dept of Defense Fed Pass Thru:				Financial Manager:	M C Roggemann		25,000.00
	E27800	R42038	22705	000509	PO # F819741	UNITE-Accelerated Insertion of Mate	
Dept of Defense Fed Pass Thru:				Financial Manager:	W W Milligan		1,963.95
	E28417	R40741	28605	980604	E10321/98-102	THERM-Comprehensive HEV Design Tool	
Dept of Defense Fed Pass Thru:				Financial Manager:	M D Osborne		9,259.29
							-----
							69,708.37
Dept of Fish & Wildlife Fed Pass:							
	E26936	R40747	23005	990110	AMEND 149-99/149-00	MINAT-The Gray Wolf in Michigan	
Dept of Fish & Wildlife Fed Pass:				Financial Manager:	R O Peterson		32,535.35
	E26949	R42001	23005	990110P3	AMENDMENT 149-01	MINAT-The Gray Wolf in Michigan	
Dept of Fish & Wildlife Fed Pass:				Financial Manager:	R O Peterson		67,805.91
							-----
							100,341.26
Dept of Transportation Fed Pass:							
	E27044	R40766	22405	970348P4	JOB # 49767	MITRA-MDOT CD MERL	
Dept of Transportation Fed Pass:				Financial Manager:	T L McNinch		2,680.77-
	E27084	R40745	22405	990123	47962/54915/548600/99-MITRA-TC/99	Study of Materials - Re	
Dept of Transportation Fed Pass:				Financial Manager:	T J Van Dam		86,927.32
	E26888	R42015	22405	860130P28	JOB# 55450/55449/55451	MITRA -TC-2001 LTAP	
Dept of Transportation Fed Pass:				Financial Manager:	T L McNinch		185,646.60
	E27092	R40749	22405	860130P25	48652/48655/48654	MITRA-Local Technical Assista	
Dept of Transportation Fed Pass:				Financial Manager:	T L McNinch		17,069.67-
	E27175	R40785	22405	860130P27	52701,52702,52703	MITRA-TC-Local Technical Assistance	
Dept of Transportation Fed Pass:				Financial Manager:	T L McNinch		208,348.93
	E26989	R42013	22405	990512P3	JOB # 54581 01-MTU-03	MITRA-TC-Development of Intensity	
Dept of Transportation Fed Pass:				Financial Manager:	D W Watkins		29,446.38

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MICHIGAN TECHNOLOGICAL UNIVERSITY  
 Pass Through Grants and Contracts  
 Expense Summary  
 From 07/01/2000 to 06/30/2001

CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
	E27128	R40778	22405	990512P2	JOB # 51324	MITRA-TC-Development of Intensity-	
Dept of Transportation Fed Pass:				Financial Manager:		D W Watkins	23,504.39
	E27509	R40790	22405	990429	HR 18-04B	NATIO-TC-Durability of Early-Openin	
Dept of Transportation Fed Pass:				Financial Manager:		T J Van Dam	70,367.42
							584,490.60
Federal Highway Admin Fed Pass thru							
	E27239	R42025	22405	970348P5	JOB # 55448	MITRA-TC MDOT 2001 CD MERL	
Federal Highway Admin Fed Pass thru				Financial Manager:		T L McNinch	14,189.63
	E27086	R40775	22405	971033P4	JOB # 51637	MITRA-TC-2000 MDOT Video Tape produ	
Federal Highway Admin Fed Pass thru				Financial Manager:		T L McNinch	36,574.09
	E27152	R42004	22405	971033P5	JOB # 54986	MITRA-TC-2001 MDOT Video Production	
Federal Highway Admin Fed Pass thru				Financial Manager:		T L McNinch	87,501.16
	E26998	R42012	22405	000527P2	40617C	MITRA-TC-01 Michigan Crash Location	
Federal Highway Admin Fed Pass thru				Financial Manager:		T L McNinch	24,305.76
	E27184	R40794	22405	000527	JOB # 40617C	MITRA-TC-Michigan Crash Location	
Federal Highway Admin Fed Pass thru				Financial Manager:		T L McNinch	16,735.12
	E26889	R42023	22405	010117	JOB # 54950/01-MTU-9	MITRA-TC Invest Bridge Design Loads	
Federal Highway Admin Fed Pass thru				Financial Manager:		J W van de Lindt	17,612.33
	E26897	R42033	25005	010339	56708 01-MTU-10	MITRA-TC-Mineral Charac & Catalog	
Federal Highway Admin Fed Pass thru				Financial Manager:		L L Sutter	9,211.39
	E26991	R42019	22405	980524P3	JOB # 549150/01-MTU-2	MITRA-TC-YR 3 Transr Matls Rrch	
Federal Highway Admin Fed Pass thru				Financial Manager:		G R Dewey	77,413.91
	E26993	R42017	22405	000349P2	JOB # 549570/00-MTU-5-MITRA-TC	Phase II Spec for Hot Mix	
Federal Highway Admin Fed Pass thru				Financial Manager:		R C Williams	62,197.95
	E27089	R40772	22405	961034P5	JOB # 51333/00-MTU-1	MITRA-TC-MDOT Research Record	
Federal Highway Admin Fed Pass thru				Financial Manager:		T L McNinch	12,049.79
	E27117	R40780	22405	980524P2	JOB # 51333/00-MTU-2	MITRA-TC-Transportation Materials	
Federal Highway Admin Fed Pass thru				Financial Manager:		G R Dewey	36,469.71
	E27178	R40787	22405	000314	JOB #513280	MITRA-TC-Analysis Bituminous Pvmnt	
Federal Highway Admin Fed Pass thru				Financial Manager:		G R Dewey	58,400.18

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MICHIGAN TECHNOLOGICAL UNIVERSITY  
 Pass Through Grants and Contracts  
 Expense Summary  
 From 07/01/2000 to 06/30/2001

CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
Federal Highway Admin	E27179	R40788	22605	000314	JOB #513280 Financial Manager:	MITRA-TC-Analysis Bituminous Pvmnt G Subhash	94,653.74
Federal Highway Admin	E27241	R42026	22405	961034P6	JOB# 54915/01-MTU-7 Financial Manager:	MITRA-TC-2001 MDOT Research Record T L McNinch	5,669.90
Federal Highway Admin	E27275	R40800	22405	000349	513330/00-MTU-5 Financial Manager:	MITRA-TC-The Development of Laborat R C Williams	260,104.00
Federal Highway Admin	E27289	R40799	22405	000631	JOB # 513330, Financial Manager:	00-MTU-6MITRA-TC-Synthesis & Review of Su R C Williams	26,380.16
Federal Highway Admin	E27311	R42022	22405	001142	JOB # 54953/01-MTU-8 Financial Manager:	MITRA-TC Causes/Cures of Bridge T M Ahlborn	19,040.12
Federal Highway Admin	E26992	R42018	22405	961012P5	JOB # 55780 Financial Manager:	MITRA-TC 2001 Roadsoft T L McNinch	243,812.04
Federal Highway Admin	E27064	R40771	22405	961012P4	52626 Financial Manager:	MITRA-TC Roadsoft 1999/2000 T L McNinch	306,343.97
Federal Highway Admin	E27112	R40703	22405	971012	JOB # 45561/47889 Financial Manager:	MITRA-TC/Fracture Characteristic S J Vitton	14,960.01
Federal Highway Admin	E27294	R42009	22405	001108	JOB # 51333 Financial Manager:	MITRA-Feasibility Evaluation for En T J Van Dam	660.54
							1,424,285.50
NASA Fed Pass Thru:							
NASA Fed Pass Thru:	E25208	R42003	24605	000706	PO# 00DLB10072 Financial Manager:	BALLA-RSI-Terrestrial Planet Finder C Ftacfas	18,692.90
NASA Fed Pass Thru:	E26451	R40637	24605	960336	083495 TB Financial Manager:	HUGHE-Hubble Tele Guidance Sensor C Ftacfas	220.50
NASA Fed Pass Thru:	E26662	R40783	22555	990223	CONTRACT # 1212354 Financial Manager:	JETPR-Volcanic Hazard Products for G J Bluth	107,875.38
NASA Fed Pass Thru:	E28489	R40791	22555	920406A	C701107-MOD 9 Financial Manager:	UNIV HAWAII-VOLCANIC HAZAR W I Rose	61,228.02
NASA Fed Pass Thru:	E28637	R40579	22555	920406A	C701107-MOD 9 Financial Manager:	UNIV HAWAII-VOLCANIC HAZARD & INPUT W I Rose	0.00

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MICHIGAN TECHNOLOGICAL UNIVERSITY  
 Pass Through Grants and Contracts  
 Expense Summary  
 From 07/01/2000 to 06/30/2001

CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
NASA Fed Pass Thru:	E28582	R42008	24605	000520	PO # 420339	UNIVE-Analytical Support to Canari Financial Manager: C Ftacfas	7,000.00
							----- 195,016.80
U S Air Force Fed Pass Thru:							
U S Air Force Fed Pass Thru:	E26733	R40750	24605	990307	F29601-98-C-0204	KESTR-RSI/Spectral Imaging Phase II Financial Manager: J B Rafert	196.11
U S Air Force Fed Pass Thru:	E26966	R40773	22505	991012	SC-1521-99-0001	MISSI-Innovative Wave Front Control Financial Manager: M C Roggemann	54,804.50
U S Air Force Fed Pass Thru:	E27752	R40781	22505	991031	PO18991/PRIME F33601-00PTIM-Subpixel Motion Sensing for 3	Financial Manager: M C Roggemann	6,184.49
U S Air Force Fed Pass Thru:	E28365	R42036	22505	010220	SUB S20027 SUB PRJ 564TREXE-Wavefront Sensing for High	Financial Manager: M C Roggemann	7,564.43
							----- 68,749.53
U S Army Fed Pass Thru:							
U S Army Fed Pass Thru:	E28611	R40805	22605	000710	109G421	UNIVE-Thrust 3 JJ MTU Engine Rsrch Financial Manager: J H Johnson	11,934.79
U S Army Fed Pass Thru:	E28706	R40804	22605	000710	109G421	UNIVE-Thrust 2 MTU Engine Research Financial Manager: J H Johnson	23,916.82
U S Army Fed Pass Thru:	E28707	R40803	22605	000710	109G421	UNIVE-Thrust 1 MTU Engine Research Financial Manager: C L Anderson	35,876.29
U S Army Fed Pass Thru:	E28737	R40811	24105	000710	109G421	UNIVE-Thrust 3 SB Bio Engne Rsrch Financial Manager: S T Bagley	6,638.08
							----- 78,365.98
U S Army Research Office Fed Pass:							
U S Army Research Office Fed Pass:	E25831	R40789	22505	000243	PO #H7003258/H7004940	E0IRM-Mine-Detection Algorithms Financial Manager: T J Schulz	44,317.43
							----- 44,317.43

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MICHIGAN TECHNOLOGICAL UNIVERSITY  
 Pass Through Grants and Contracts  
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 From 07/01/2000 to 06/30/2001

CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
U S Dept of Agriculture Fed Pass:							
	E26970	R42005	23005	990826P2	AGREEMENT # 61-4091B	MICHI-Structural Flakeboard from Mi	
U S Dept of Agriculture Fed Pass:				Financial Manager:	L M Matuana		3,077.89
	E27596	R42031	23005	000511	SERVICE AGREEMENT # SONORTH-	Utilization of Red Maple	
U S Dept of Agriculture Fed Pass:				Financial Manager:	P E Laks		10,021.79
							-----
							13,099.68
U S Dept of Energy Fed Pass Thru:							
	E25165	R40728	24605	980704	982102401	ARGON-Meteorological QA & Subway	
U S Dept of Energy Fed Pass Thru:				Financial Manager:	L R Coke		39,313.18
	E25631	R40774	22605	981029	PO # 41855	DETRO-Low Emissions After Treatment	
U S Dept of Energy Fed Pass Thru:				Financial Manager:	J H Johnson		265,303.54
	E26032	R40759	24605	990412	PO 521464	FIRMI-RSI Auger Observatory Souther	
U S Dept of Energy Fed Pass Thru:				Financial Manager:	D F Nitz		118,457.84
	E26458	R42007	28305	000353	PO# 222976	HUNTI-Transient Liquid Phase of ODS	
U S Dept of Energy Fed Pass Thru:				Financial Manager:	M G McKimpson		43,921.00
	E28151	R42029	22605	991133	PO # 2854	Ship Crane Modelling and Control	
U S Dept of Energy Fed Pass Thru:				Financial Manager:	G G Parker		40,326.78
	E28152	R42002	22605	991133	PO # 2854	SANDI-Ship Crane Modelling	
U S Dept of Energy Fed Pass Thru:				Financial Manager:	G G Parker		32,000.00
	E28153	R40779	22605	991133	PO # 2854	SANDI-Ship Crane Modelling and Cont	
U S Dept of Energy Fed Pass Thru:				Financial Manager:	G G Parker		36,126.48
	E28445	R42010	22205	000240	DE-FG02-00ER83112-MIC-TOUCH-Tailorable	Inexpensive Carbon	
U S Dept of Energy Fed Pass Thru:				Financial Manager:	T N Rogers		27,000.00
	E28451	R40801	24605	000523	OF-01144	UNIVE-Metreorological QA and Subway	
U S Dept of Energy Fed Pass Thru:				Financial Manager:	L R Coke		141,063.65
	E28586	R40792	22705	000331	OF-00544 MOD 0001	UNIVE-Structural Characterization	
U S Dept of Energy Fed Pass Thru:				Financial Manager:	S A Hackney		48,217.24
							-----
							791,729.71

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MICHIGAN TECHNOLOGICAL UNIVERSITY  
 Pass Through Grants and Contracts  
 Expense Summary  
 From 07/01/2000 to 06/30/2001

CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
U S Marine Corps Fed Pass Thru:							
	E25026	R40797	28605	000202	SUBCONTRACT#	00-0001 PADVAN-ADV ACCT Devel & Implentation	
U S Marine Corps Fed Pass Thru:				Financial Manager:	G R Simula		133,482.17
							133,482.17
U S Navy Fed Pass Thru:							
	E25454	R42034	28605	010333	PO # 010300493	CONCU-AAAV Cntr Guide & Sprock	
U S Navy Fed Pass Thru:				Financial Manager:	G R Simula		6,828.02
	E25455	R42035	28605	010430	PO # 010500122	CONCU-TI 6A1-4V Trck Pin Fatig Test	
U S Navy Fed Pass Thru:				Financial Manager:	G R Simula		2,591.19
							9,419.21
U S Tank Automotive Command Fed Pas							
	E25031	R40712	28605	980140	87523/87679/88884/9136ADVAN-Co-Development Prgrm		
U S Tank Automotive Command Fed Pas				Financial Manager:	G R Simula		97,445.65
	E25290	R42021	28605	010216	PO # 10531	BLIZZ-Pull Test Wing Bushing Welds	
U S Tank Automotive Command Fed Pas				Financial Manager:	M D Osborne		1,485.00
	E25390	R42016	28605	010118	PO # 010100245	CONCU-T158LL Track System Improve	
U S Tank Automotive Command Fed Pas				Financial Manager:	G R Simula		8,000.26
	E25793	R42024	28605	000803	PO # 8809-2027	PHASE IDYNAM-ightwght Durable Titan Trks	
U S Tank Automotive Command Fed Pas				Financial Manager:	G R Simula		9,072.99
	E26213	R40752	28605	990435	PO # WPG019904	SUPP#1 GENER-MI Track Performance Specifi	
U S Tank Automotive Command Fed Pas				Financial Manager:	G R Simula		92,745.52
	E26238	R42011	28605	000908	PO# MET 001808 # 1,#2	GENER-Engineering Support for GDLS	
U S Tank Automotive Command Fed Pas				Financial Manager:	S A Bradley		37,904.41
	E28411	R42028	28605	010211	PO # TAI-01-0326	THERM-Vehicle Design	
U S Tank Automotive Command Fed Pas				Financial Manager:	G R Simula		54,547.27
	E28440	R40798	28605	000618	PO # 4600009561	MOD #1TRWSY-Tactical Vehicle Protection	
U S Tank Automotive Command Fed Pas				Financial Manager:	G R Simula		64,450.83
	E28441	R42006	28605	000936	ADVANCE ACCOUNT	TRWSY-ADV ACCT-Survivability Tech	
U S Tank Automotive Command Fed Pas				Financial Manager:	G R Simula		36,190.33

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MICHIGAN TECHNOLOGICAL UNIVERSITY  
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 Expense Summary  
 From 07/01/2000 to 06/30/2001

CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
	E28565	R42020	28605	001239	PT16402-00	UNITE-T107 Bushing Endurance	
U S Tank Automotive Command Fed Pas				Financial Manager:	G R Simula		1,064.61
							402,906.87
						TOTAL FOR R4 FUNDS	3,915,913.11
U S Enviromental Prot Agcy Fed Pass							
	E27511	R70552	22405	980236	AGREEMENT # 98-08H	NEETF-A Safe Water First Approach	
U S Enviromental Prot Agcy Fed Pass				Financial Manager:	K L Bradof		24,403.51
							24,403.51
						TOTAL FOR R7 FUNDS	24,403.51
NASA Fed Pass Thru:							
	E28186	R82010	24105	001214	CHECK # 465763	UNIVE-Muscle Plas DuringIncreased	
NASA Fed Pass Thru:				Financial Manager:	E R Blough		277.00
	E28492	R80666	28905	990232	CHECK # 114921	UNIVE-Microneurography Study Auton	
NASA Fed Pass Thru:				Financial Manager:	W H Cooke		587.92
	E28578	R80664	22575	981208	CK # 108337	UNIVE-Quantitative Characterization	
NASA Fed Pass Thru:				Financial Manager:	G J Bluth		1,663.17
	E28180	R82013	22605	010217	07600-071	UNIVE-Prop Cntrl of Space	
NASA Fed Pass Thru:				Financial Manager:	L B King		9,171.95
							11,700.04
NOAA Fed Pass Thru:							
	E28446	R82007	22555	000417	PO # 3000229916	UNIVE-Great Lakes Photosynthetic Ra	
NOAA Fed Pass Thru:				Financial Manager:	J W Budd		13,255.51
							13,255.51
National Science Foundation Fed Pas							
	E28708	R80715	22005	990816	SUBCONTRACT # F004025	UNIVE- WIMS Ed Task Sponsor Acct	
National Science Foundation Fed Pas				Financial Manager:	R O Warrington		44,351.78

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CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
	E28709	R80716	22005	990816	SUBCONTRACT # F004025 UNIVE- Ed Task C/S Acct		
National Science Foundation Fed Pas					Financial Manager: R O Warrington		46,747.90
	E28710	R80717	22005	990816	SUBCONTRACT # F004025 UNIVE-WIMS Micro Tsk Sponsor Acct		
National Science Foundation Fed Pas					Financial Manager: R O Warrington		70,234.90
	E28711	R80718	22005	990816	SUBCONTRACT # F004025 UNIVE-WIMS Micropack Tsk C/S		
National Science Foundation Fed Pas					Financial Manager: R O Warrington		63,215.80
	E28712	R80719	22005	990816	SUBCONTRACT # F004025 UNIVE-Sensors Task Sponsor Acct		
National Science Foundation Fed Pas					Financial Manager: R O Warrington		35,041.57
	E28713	R80720	22005	990816	SUBCONTRACT # F004025 UNIVE-WIMS Sensors Tsk C/S		
National Science Foundation Fed Pas					Financial Manager: R O Warrington		80,293.39
	E28717	R80721	22005	990816	SUBCONTRACT # F004025 UNIVE-WIMS Administrative Account		
National Science Foundation Fed Pas					Financial Manager: R O Warrington		34,096.45
	E28584	R80693	22605	000232	AGREEMENT # 420-20-44 UNIVE-Exploration of Novel Avenues		
National Science Foundation Fed Pas					Financial Manager: G Subhash		15,806.96
							389,788.75
U S Air Force Fed Pass Thru:							
	E28546	R80603	22705	960224	SA1541-22500PG AMD 5 UNIVE-AFOSR URI High Cycle Fatigue		
U S Air Force Fed Pass Thru:					Financial Manager: W W Milligan		235,782.18
	E28547	R80608	22605	960224	SA1541-22500PG AMD 5 UNIVE-AFOSR URI High Cycle Fatigue		
U S Air Force Fed Pass Thru:					Financial Manager: E C Aifantis		4,805.06
							240,587.24
							655,331.54
					TOTAL FOR R8 FUNDS		
National Science Foundation Fed Pas							
	E34348	S90325	22005	990816	SUBCONTRACT # F004025 MTU - Yumei Zhan Assistantship		
National Science Foundation Fed Pas					Financial Manager: C R Friedrich		6,871.42
							6,871.42

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 Pass Through Grants and Contracts  
 Expense Summary  
 From 07/01/2000 to 06/30/2001

CFDA#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
-----							
U S Air Force Fed Pass Thru:							
	E34319	S90292	22505	000534	SC-TEMPEST1-00-0001	MTU - Yanchai Zhang Assistantship Financial Manager: M C Roggemann	13,923.24
U S Air Force Fed Pass Thru:							
	E34306	S90280	22705	960224	SA1541-22500PG AMD 5	MTU - Amit Shyam Assistantship Financial Manager: W W Milligan	11,717.86
U S Air Force Fed Pass Thru:							
							-----
							25,641.10
							-----
TOTAL FOR S9 FUNDS							32,512.52
							-----
GRAND TOTAL							4,822,978.83
							-----

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CFDA#	Index	Orgn	Fund	Proposal#	Contract #	Fund Title	Amount
Federal Highway Administration:							
	E24809	R10724	22405	960720	DTFH61-96-C-00073-MOD	FHWA-TC/MtIs Related Distress Financial Manager: T J Van Dam	23,026.33
Federal Highway Administration:							
	E24816	R10776	22405	981232	DTTS59-99-P-00219-MOD	USTRA-TC/MOC-ERL & Project Estimate Financial Manager: T L McNinch	53,733.90
Federal Highway Administration:							
	E24817	R51182	22405	981115	DTFH61-99-X-00011-AMD	USTRA-Tribal Technical Assist Prgm Financial Manager: B D Alkire	224,123.82
Federal Highway Admin							
Total for							300,884.05
NASA							
	E24402	R51019	24605	960919	NAG5-6310-SUPPL 0006	NASA-RSI/Linear Adaptive Mirror Financial Manager: C Ftaclas	43,745.67
NASA							
	E24408	R51070	22605	970920	NAG3-2088-SUPPLEMENT	NNASA-Gas Turbine Combustor Concepts Financial Manager: S Yang	104,158.48
NASA							
	E24409	R51085	22705	970305	NAG8-1478-SUPPL 3	NASA-Gravity Induced Settling Financial Manager: T H Courtney	65,662.67
NASA							
	E24410	R51086	24605	950401B	NAG5-7051-SUPPL 0004	NASA-L Superior Ice Field Measureme Financial Manager: A N Pilant	33,505.99
NASA							
	E24411	R51088	24605	971043	NAG5-4756-SUPPL 0004	NASA-Gravitational Lensing in GRBS Financial Manager: R J Nemiroff	8,642.53
NASA							
	E24412	R51117	22555	980202	NAG5-7272-SUPPL 0003	NASA-RSI/Volcanic Plume Analysis Financial Manager: W I Rose	30,979.67
NASA							
	E24413	R51129	22555	971129	NAG5-7576-SUPPL 0003	NASA-RSI/Volcanic Hazard Mitigation Financial Manager: G J Bluth	9,710.74
NASA							
	E24416	R51285	24405	990904	NAG5-8796-SUPPL 0003	NASA-CSE/Earth & Space Sciences Financial Manager: P R Merkey	245,356.27
NASA							
	E24417	R51325	24605	000556	NAG5-5278	NASA-RSI/Early Optical Light Curves Financial Manager: R J Nemiroff	21,336.96
NASA							
	E24419	R52087	24605	000724	NAG5-10568	NASA-RSI/Lab Studies Ice Nucleation Financial Manager: R A Shaw	982.80
NASA							
	E24797	R50971	24605	960609	NAG5-3689-SUPPL 0004	NASA-Cool Stars Atmospheric Models Financial Manager: A Borysow	3,786.01
NASA							

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MICHIGAN TECHNOLOGICAL UNIVERSITY  
 Summary Expense by Agency  
 From 07/01/2000 to 06/30/2001

CFDA#	Index	Orgn	Fund	Proposal#	Contract #	Fund Title	Amount
NASA	E24801	R51173	24605	960609	NAG5-3689-SUPPL 0004	NASA-Cool Stars Atmospheric Models Financial Manager: A Borysow	1,060.02
NASA	E34075	S90230	22555	980142	NGT5-76-SUPPLEMENT 000	NASA-Colleen Riley Fellowship Financial Manager: G J Bluth	20,667.45
NASA	E34078	S90233	22555	980304	NGT5-30154-SUPPL 0003	NASA - Song Guo Fellowship Financial Manager: G J Bluth	20,209.07
NASA	E34328	S90303	24605	960919	NAG5-6310-SUPPL 0006	MTU - Weidong Yang Assistantship Financial Manager: C Ftacfas	11,024.03
Total for							620,828.36
National Park Service:							
National Park Service:	E22722	R51006	23005	960912	1443CA631096001-MOD 1	USPAR-Geographic Information System Financial Manager: M D Hyslop	10,465.13
National Park Service:	E22725	R51118	23005	980322	1443CA682098001-MOD 3	USPAR/Wolf Ecology-Voyageurs Nat'l Financial Manager: R O Peterson	33,202.72
National Park Service:	E22726	R51122	23005	980422	1443CA682098001-MOD 3	USPAR-Gray Wolf Mgmt-Pictured Rocks Financial Manager: R O Peterson	9,004.94
National Park Service:	E22729	R51231	24805	980601	1443CA631096001-MOD 00	USPAR-Industrial Landscape GIS Financial Manager: P E Martin	3,698.82
National Park Service:	E22730	R51288	23005	941157	1443CA631095004-MOD 00	USPAR-Wolf/Moose Monitoring NPS Financial Manager: R O Peterson	1,169.41-
National Park Service:	E22731	R51291	23005	960912	1443CA631096001-MOD 1	USPAR-Geographic Information System Financial Manager: M D Hyslop	28,837.83
National Park Service:	E22732	R51294	28605	990903	1443 CA1570A0007-MOD 1	YELLO-Snowmobile Trail Degradation Financial Manager: R G Alger	972.00
National Park Service:	E22733	R52004	23005	000561	1143CA631095004-MOD 00	USPAR-Moose Browsing/Fire Regime Financial Manager: R O Peterson	3,006.35
National Park Service:	E22735	R52064	23005	000561P2	1443CA6310A001-TASK	AGUSPAR-Moose Browsing/Fire Regime Financial Manager: R O Peterson	20,010.80
National Park Service:	E22736	R52065	23005	001216	1443CA6310A001-TASK	AGUSPAR-Wolf/Moose Monitor-Is Royale Financial Manager: R O Peterson	6,147.06
National Park Service:	E22737	R52093	24605	010106	ADVANCE	USPAR-ADV ACCT-Isle Royale Institut Financial Manager: J B Rafert	12,119.49
Total for							126,295.73

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MICHIGAN TECHNOLOGICAL UNIVERSITY  
 Summary Expense by Agency  
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CFDA#	Index	Orgn	Fund	Proposal#	Contract #	Fund Title	Amount
U S Air Force							
U S Air Force	E21165	R10786	22505	981146	IPA AGREEMENT 223 Financial Manager:	USAIR-Maui Space Surveillance (IPA) B E Stribling	69,177.22
U S Air Force	E21166	R12009	22505	981146P3	IPA AGREEMENT 223-STRI Financial Manager:	USAIR-Maui Space Surveillance (IPA) B E Stribling	82,024.12
Total for							151,201.34
U S Army							
U S Army	E20497	R10752	22705	971008	DAAE07-97-C-X150-MOD Financial Manager:	PTACOM-ADV ACCT-Ausformed Iron K B Rundman	65,571.80
U S Army	E20498	R10753	28605	971008	DAAE07-97-C-X150-MOD Financial Manager:	PTACOM-ADV ACCT-AADI Program G R Simula	195,073.60
U S Army	E20499	R10760	28605	971008	DAAE07-97-C-X150-MOD Financial Manager:	PTACOM-ADV ACCT-AADI Program G R Simula	16,961.50
U S Army	E20500	R10761	28605	971008	DAAE07-97-C-X150-MOD Financial Manager:	PTACOM-ADV ACCT-AADI Program G R Simula	7,890.14
U S Army	E20501	R10762	28605	971008	DAAE07-97-C-X150-MOD Financial Manager:	PTACOM-ADV ACCT-AADI Program G R Simula	53,233.57
U S Army	E20502	R10767	28605	971008	DAAE07-97-C-X150-MOD Financial Manager:	PTACOM-ADV ACCT-AADI Program G R Simula	32,510.19
U S Army	E20503	R10773	22605	980808	IPA 8/26/98 Financial Manager:	TACOM-Develop Capillary Pumped Loop D A Nelson	11,171.24
U S Army	E20505	R10783	28605	971008	DAAE07-97-C-X150-MOD Financial Manager:	PTACOM-ADV ACCT-AADI Program G R Simula	3,480.36
U S Army	E20506	R10785	28605	990915	DAAE07-99-C-L520-P0000 Financial Manager:	TACOM - Sprocket Tests M D Osborne	15,713.59
U S Army	E20507	R10787	28605	991235	DAAE07-00-P-S028-MOD Financial Manager:	PUSARM-ADV ACCT-Failure Shpg Dollys S A Bradley	40,931.62
U S Army	E20508	R10791	28605	000620	DAAE07-00-C-L526 Financial Manager:	USARM-M1073 Water Purification Trlr S A Bradley	15,195.20
U S Army	E20509	R12000	28605	000842	DAAE07-00-C-L537 Financial Manager:	TACOM- NAC FMTV Composite Structure S A Bradley	123,000.00

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MICHIGAN TECHNOLOGICAL UNIVERSITY  
 Summary Expense by Agency  
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CFDA#	Index	Orgn	Fund	Proposal#	Contract #	Fund Title	Amount
U S Army	E20510	R12001	28605	000849	DAAE07-99-C-L502-P0000TACOM-Eng Supp Crusader Right Flank Financial Manager: S A Bradley	6,822.33	
U S Army	E20511	R12006	28605	000843	DAAE07-00-C-L052-P0000TACOM-ADV ACCT-Surge WD001 Financial Manager: G R Simula	99,635.77	
U S Army	E20512	R12007	28605	000843	DAAE07-00-C-L052-P0000TACOM - Surge WD002 Financial Manager: G R Simula	22,152.40	
U S Army	E20513	R12010	22605	980808P2	IPA 11/07/00 Financial Manager: D A Nelson	4,265.95	
U S Army	E20546	R12012	22405	010322	DACW35-01-P-0048 Financial Manager: D W Watkins	5,946.66	
U S Army	E20606	R51305	22705	990831	DAAD19-00-1-0103-MOD PUSARM-Crystalline-Amorphous W-Based Financial Manager: T H Courtney	27,105.82	
U S Army	E20608	R12003	22605	000552	DAAD17-00-P-1396 Financial Manager: G Subhash	11,000.00	
Total for							757,661.74
U S Cold Regions Research Eng Lab:							
U S Cold Regions Research Eng Lab:	E20607	R10790	28605	000302	DACW42-00-P-0526 Financial Manager: R G Alger	12.02	
U S Cold Regions Research Eng Lab:	E20609	R12011	28605	010104	DACW42-01-P-0120-MOD PUSARM(CRREL)/Anti-Icing Practice Financial Manager: R G Alger	20,536.87	
Total for							20,548.89
U S Dept of Agriculture:							
U S Dept of Agriculture:	E20367	R52071	24805	010110	LETTER 01/24/01 Financial Manager: P E Martin	9,418.59	
Total for							9,418.59
U S Dept of Commerce :							
U S Dept of Commerce :	E24835	R10780	22405	981221	40AANW901089 Financial Manager: D L Johnson	13,953.75	
Total for							13,953.75

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CFDA#	Index	Orgn	Fund	Proposal#	Contract #	Fund Title	Amount
U S Dept of Energy:							
U S Dept of Energy:	E21678	R50903	23805	960345	DE-FC07-96ID13440-AMD	USENE-Phys/Chem Biofiltration Techn Financial Manager: G D McGinnis	3,747.00
U S Dept of Energy:	E21679	R50904	24105	960345	DE-FC07-96ID13440-AMD	USENE-Phys/Chem Biofiltration Techn Financial Manager: S T Bagley	4,863.13
U S Dept of Energy:	E21688	R10771	22555	970821	DE-AC26-98BC15135-MOD	USENE-Calibration Seismic Attribute Financial Manager: W D Pennington	278,908.82
U S Dept of Energy:	E21689	R10772	22555	970820	DE-AC26-98BC15100-MOD	USENE - Fractured Reservoirs Financial Manager: J R Wood	265,614.83
U S Dept of Energy:	E21692	R51186	24605	981003P4	DE-FG02-99ER41107-AMD	USENE-RSI/YR 1 & YR 2 - High Energy Financial Manager: D F Nitz	157,616.05
U S Dept of Energy:	E21698	R12008	22555	000539	IPA DATED 09/28/00	USENE - IPA-Geophysical Imaging Financial Manager: T J Bornhorst	117,830.58
U S Dept of Energy:	E21703	R52082	24605	981003P4	DE-FG02-99ER41107-AMD	USENE-RSI/YEAR 3 - High Energy Financial Manager: D F Nitz	54,505.96
U S Dept of Energy:	E34315	S90287	24605	981003P4	DE-FG02-99ER41107-AMD	MTU - Alexei Dorofeev Assistantship Financial Manager: D F Nitz	9,799.87
U S Dept of Energy:	E34338	S90315	24605	981003P4	DE-FG02-99ER41107-AMD	MTU - Joe Darling Assistantship Financial Manager: D F Nitz	7,558.50
Total for							900,444.74
U S Forest Service:							
U S Forest Service:	E20175	R52047	24805	000901	00-CS-110910-00-42	USAGR-Archaeol Coll-Hiawatha Nat'l Financial Manager: S R Martin	3,826.82
U S Forest Service:	E20179	R52059	24805	001206	01-CS-11090700-005	USAGR-Archaeol Collect-Ottawa Nat'l Financial Manager: S R Martin	221.97
U S Forest Service:	E20207	R51333	23005	000415	00-JV-11111132-120	USAGR-2x4 Softwood & 2x3 Hardwood Financial Manager: J W Forsman	4,526.12
U S Forest Service:	E20211	R10792	23005	000608	00-CR-11111121-108	USAGR-Core Sampling Wood Beams NDE Financial Manager: J W Forsman	1,008.00
U S Forest Service:	E20276	R50840	23005	950719	INT-95112-RJVA-AMD#2	USAGR-Long-Term Resiliency of Soils Financial Manager: M F Jurgensen	282.51

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CFDA#	Index	Orgn	Fund	Proposal#	Contract #	Fund Title	Amount
U S Forest Service:	E20289	R10712	23005	960617	NC-96-602-RJVA-AMD 6 Financial Manager:	USAGR-Scaling Effects Ozone & Co2 D F Karnosky	97,601.31
U S Forest Service:	E20311	R10744	23005	970804	23-97-41-RJVA-AMD 1 Financial Manager:	USDA-Ethnobotany of Black Ash K S Pregitzer	350.00
U S Forest Service:	E20314	R10750	23005	970143	23-97-24-RJVA-AMD2 Financial Manager:	USDA-RSI/Geomorphic-Hydrologic Cntr A J Burton	13,587.57
U S Forest Service:	E20315	R10751	23805	970928	97-RJVA-2958 Financial Manager:	USAGR-Timber Bridge-Extended Study P E Laks	14,975.75
U S Forest Service:	E20320	R51105	23005	980410	PSW-98-011-RJVA-AMD 3 Financial Manager:	USAGR-Teakettle Experimental Forest J Chen	12,437.62
U S Forest Service:	E20322	R51113	23805	980427	98-RJVA-3107-AMD 3 Financial Manager:	USAGR-Truss Plates in Hardwoods J R Erickson	1,410.30
U S Forest Service:	E20326	R10766	23005	980810	23-98-43-RJVA-AMD 1 Financial Manager:	USAGR-Openland Avifauna-Mich. U.P. D J Flaspohler	29,832.83
U S Forest Service:	E20329	R10770	23805	980929	98-RJVA-3181-AMD NO.1 Financial Manager:	USAGR-Strength of Alaskan Wood J R Erickson	5,151.70
U S Forest Service:	E20335	R51180	23005	980913	23-99-04-RJVA-AMD NO.1 Financial Manager:	USAGR-Ecological Synthesis S C Saunders	5,947.23
U S Forest Service:	E20336	R51190	24805	990324	R910-CS-99-001 Financial Manager:	USAGR-Archaeological Collections S R Martin	63.39
U S Forest Service:	E20338	R51198	24805	990405	R907-CCS-99-005 Financial Manager:	USAGR-Archaeol Collect-Ottawa Nat'l S R Martin	63.38-
U S Forest Service:	E20339	R51211	23805	990431	99-RJVA-3256-AMD NO.4 Financial Manager:	USAGR - NDE of Lakes States Timber J R Erickson	8,730.55
U S Forest Service:	E20340	R10781	23005	981140	53-43ZP-9-06-MOD 2 Financial Manager:	USAGR-Advanced Studies Silviculture M R Gale	50,532.53
U S Forest Service:	E20345	R51249	23805	990811	99-RJVA-3301-AMD NO.3 Financial Manager:	USAGR-Nondestructive Evaluation J W Forsman	1,715.20
U S Forest Service:	E20346	R51250	23805	990805	99-RJVA-3325-AMD NO. 4 Financial Manager:	USAGR-Ultrasound Nondestructive Tec P E Laks	68,061.80
U S Forest Service:	E20347	R51251	23805	990810	99-RJVA-3315 Financial Manager:	USAGR-Warp Characteristics Lumber J W Forsman	380.50-
U S Forest Service:	E20348	R51252	23005	990821	RMRS-99606-RJVA Financial Manager:	USAGR-Wood Decomposition/Soil Produ M F Jurgensen	294.05

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

MICHIGAN TECHNOLOGICAL UNIVERSITY  
 Summary Expense by Agency  
 From 07/01/2000 to 06/30/2001

CFDA#	Index	Orgn	Fund	Proposal#	Contract #	Fund Title	Amount
U S Forest Service:	E20351	R51301	23005	990737	23-99-33-RJVA-AMD NO.	USAGR-Mgmt Ecosystems/Landscapes Financial Manager: S C Saunders	75,658.82
U S Forest Service:	E20353	R51303	23005	000336	00-JV-1111132-066-AMD	USAGR-DeIaware Red Maple/Chord Trus Financial Manager: J R Erickson	20,828.71
U S Forest Service:	E20354	R51309	22555	000350	00-CS-11090700-010	USAGR - Acquire GPS Equipment Financial Manager: J F Diehl	500.00
U S Forest Service:	E20356	R52002	23005	000729	00-JV-11222062-550	USAGR-Carbon Cycling/Soil Property Financial Manager: M F Jurgensen	13,228.10
U S Forest Service:	E20357	R52005	24805	000642	00-CS-11090400-144	USAGR-Evaluate Gowell Dam & Mill Financial Manager: P E Martin	22,170.00
U S Forest Service:	E20358	R52008	23005	000821	00-JV-11231300-086	USAGR-Carbon Storage in Forests Financial Manager: D D Reed	24,232.97
U S Forest Service:	E20359	R52009	23005	000807	00-JV-11231300-073	USAGR-Modeling Carbon Sequestration Financial Manager: J Chen	11,078.25
U S Forest Service:	E20360	R52014	23005	000634	00-JV-1111132-119	USAGR-Chip Yield of Jack Pine Financial Manager: J W Forsman	1,957.04
U S Forest Service:	E20361	R52015	23005	000808	SRS 00-CA-11330135-214	USAGR-Soil Carbon Modeling Financial Manager: M F Jurgensen	11,779.30
U S Forest Service:	E20363	R52017	23005	000841	00-JV-1111133-149	USAGR-Silver vs Red Maple Property Financial Manager: J W Forsman	366.10
U S Forest Service:	E20364	R52018	23005	000515	00-CR-11231300-040	USAGR-Analyzing FIA Data Financial Manager: D D Reed	28,582.10
U S Forest Service:	E20365	R12002	23005	000648	IPA AGREEMENT 8/24/00	USAGR-Director Northern Ecosystem Financial Manager: K S Pregitzer	117,888.82
U S Forest Service:	E20366	R52012	23005	000812	00-JV-1111132-121	USAGR-Healthy/Diseased Spruce Trees Financial Manager: J W Forsman	393.32
U S Forest Service:	E20383	R52116	22605	010404	01-JV-1111132066	USAGR-Strength of Timber Bridges Financial Manager: J B Ligon	3,303.88
					Total for		652,080.78
U S Navy							
U S Navy	E21161	R10759	23805	980617	N47408-98-M-3017-MOD	PNAVAL-Fungal Decay Resistance Financial Manager: P E Laks	5,314.59
					Total for		5,314.59

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

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MICHIGAN TECHNOLOGICAL UNIVERSITY  
Summary Expense by Agency  
From 07/01/2000 to 06/30/2001

CFDA#	Index	Orgn	Fund	Proposal#	Contract #	Fund Title	Amount
U S Office of Naval Research:							
	E21080	R51124	24605	980521	N00173-98-1-G015-MOD	POFFIC-Study Magnetic Resource Sensi	
U S Office of Naval Research:					Financial Manager:	B H Suits	23,042.35
					Total for		23,042.35
						GRAND TOTAL	3,581,674.91

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

MICHIGAN TECHNOLOGICAL UNIVERSITY  
Other Federal Funding - Summary Expense by CFDA#  
From 07/01/2000 to 06/30/2001

CFDA#	Grantor ID#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
10.664	MINAT0024	E27293	R80708	22405	980818	CFG 00-09 Financial Manager:	MINAT-Using the School Forest to J F Schumaker-Chadde	10,790.00
TOTAL FOR CFDA# 10.664								10,790.00
17.600	MICON0002	E27050	R80679	22805	960628P4	960628P4 Financial Manager:	MICON-FY2000 MI Mine Safety O F Otuonye	32,855.92
TOTAL FOR CFDA# 17.600								32,855.92
45.129	MICHI0304	E26960	R80677	24205	990117	M057-99 Financial Manager:	MICHI-Hemingway in Seney J Jobst	2,724.00
TOTAL FOR CFDA# 45.129								2,724.00
45.312	INSTI0008	E24901	R52117	22555	010406	CM-10023-01 Financial Manager:	IMLS - Advancing the New Museum S J Dyl	2,377.27
TOTAL FOR CFDA# 45.312								2,377.27
47.076	NATIO0211	E23183	R51321	26003	990830	DUE-9953189 Financial Manager:	NSF-Engineering in Pre-College Ed F J Erickson	13,224.66
47.076	NATIO0211	E23185	R51323	36001	990830	DUE-9953189 Financial Manager:	NSF-Engineering in Pre-College Ed C S Anderson	19,605.18
TOTAL FOR CFDA# 47.076								32,829.84
84.116	USEDU0005	E24877	R51302	21150	991115	P116N000021 Financial Manager:	USEDU-N. Am. Mobility in Higher Ed. J P Cross	18,349.29
84.116	USEDU0005	E24880	R52076	21150	991115	P116N000021-ACTION NO. Financial Manager:	USEDU-N. Am. Mobility in Higher Ed. J P Cross	3,990.47
TOTAL FOR CFDA# 84.116								22,339.76
84.200	USEDU0005	E24872	R51025	22805	970102	P200A70416-99 ACTION Financial Manager:	NUSEDU - GAANN: Mining Engg at MTU D S Young	49,184.11
84.200	USEDU0005	E24873	R51099	22605	971225	P200A80447-00-ACTION Financial Manager:	NUSEDU - GAANN Fellowship Program S M Pandit	115,785.28
84.200	USEDU0005	E24874	R51121	22805	970102	P200A70416-99 ACTION Financial Manager:	NUSEDU - GAANN: Mining Engg at MTU D S Young	15,589.63

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

MICHIGAN TECHNOLOGICAL UNIVERSITY  
 Other Federal Funding - Summary Expense by CFDA#  
 From 07/01/2000 to 06/30/2001

CFDA#	Grantor ID#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
84.200	USEDU0005	E24876	R51227	22805	970102	P200A70416-99 ACTION Financial Manager:	MUSEDU - GAANN: Mining Engg at MTU D S Young	47,261.92
TOTAL FOR CFDA# 84.200								227,820.94
84.281	MIEDU0023	E27114	R80653	36001	980712	0299-310 Financial Manager:	MIEDU-Main Educator Science & Math C S Anderson	9,806.40
84.281	MIEDU0023	E27168	R80682	36001	990618	0290-304 Financial Manager:	MIEDU-Educator's Science and Mathe C S Anderson	9,363.12
84.281	MIEDU0023	E27169	R80683	36001	990618	0290-304 Financial Manager:	MIEDU-Educator's Science and Mathe C S Anderson	8,930.27
84.281	MIEDU0023	E27170	R80684	36001	990618	0290-304 Financial Manager:	MIEDU-Educator's Science and Mathe C S Anderson	9,112.38
84.281	MIEDU0023	E27171	R80685	36001	990618	0290-304 Financial Manager:	MIEDU-Educator's Science and Mathe C S Anderson	51,278.41
84.281	MIEDU0023	E27306	R82005	36001	000641	AWD # 010290-211 Financial Manager:	MIEDU-2000/01 Educ Science & Math C S Anderson	80,346.06
TOTAL FOR CFDA# 84.281								168,836.64
GRAND TOTAL FOR CFDA's								500,574.37

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

MICHIGAN TECHNOLOGICAL UNIVERSITY  
 Other Federal Funding - Summary Expense by Agency  
 From 07/01/2000 to 06/30/2001

CFDA#	Grantor ID#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
-----								
N90400 U.S. Forest Service								
		D95523	N70101	28690			For Svc/N Central license agreement Financial Manager: P P Radecki	55,000.00
		D95524	N70102	28690			FIA Model license/USDA S Rsch Stat Financial Manager: P P Radecki	1,500.00
TOTAL FOR N90400								56,500.00
-----								
R40111 NASA Fed Pass Thru:								
	UNIVE0156	E28454	R40796	36001	950713P5	CK # 291509 Financial Manager:	UNIVE-Michigan Space Grant Consorti C S Anderson	3,675.00
	UNIVE0156	E28470	R40763	36001	950713P4	CK # 128481 Financial Manager:	UNIVE-Michigan Space Grant Consorti C S Anderson	2,632.99
TOTAL FOR R40111								6,307.99
-----								
R80103 NASA Fed Pass Thru:								
	UNIVE0236	E28141	R80722	28905	001125	CK# 465762 Financial Manager:	UNIVE-Human Neural Organization W H Cooke	4,072.96
	UNIVE0236	E28144	R80725	22605	001211	CK# 465762 Financial Manager:	UNIVE-Plasma Thruster Mass Flow L B King	2,500.00
	UNIVE0236	E28146	R80727	22305	010425	CK# 465762 Financial Manager:	UNIVE-Theoretical Studies-Chemistry C A Bayse	1,041.67
	UNIVE0236	E28149	R80730	22305	010318	CK# 465762 Financial Manager:	UNIVE-Copper Photochemistry S A Green	1,746.91
	UNIVE0236	E28183	R80733	22575	991122P2	CHECK # 465765 Financial Manager:	UNIVE-Support Navajo Stdts - Earth G J Bluth	996.48
	UNIVE0236	E28187	R82011	36001	001132	CHECK # 465767 Financial Manager:	UNIVE-American Indian Workshop J B Lehman	12.87

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

MICHIGAN TECHNOLOGICAL UNIVERSITY  
 Other Federal Funding - Summary Expense by Agency  
 From 07/01/2000 to 06/30/2001

CFDA#	Grantor ID#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
UNIVE0236	E28189	R80734	22575	991121P2	CHECK # 465766 Financial Manager:	UNIVE-Field Training for Teachers G J Bluth	500.00	
UNIVE0236	E28455	R80706	22575	991121	CHECK # 278493 Financial Manager:	UNIVE-Field Training for Teachers G J Bluth	9,224.00	
UNIVE0236	E28456	R80705	22405	000309	CK # 291509 Financial Manager:	UNIVE-Time Variant Bayesian Decisio J W van de Lindt	6,017.80	
UNIVE0236	E28457	R80704	36001	991131	CHECK # 278493 Financial Manager:	UNIVE-Public Outreach Program J B Lehman	7,712.60	
UNIVE0236	E28458	R80703	36001	991129	CHECK # 278493 Financial Manager:	UNIVE-Women/Minorities in Engineeri J B Lehman	7,649.00	
UNIVE0236	E28460	R80697	22575	000343	CHECK # 279223 Financial Manager:	Use of Remote Sensing to Monitor Fo J W Budd	5,000.00	
UNIVE0236	E28461	R80698	22575	991104	CHECK # 279223 Financial Manager:	UNIVE-An Interactive Educational J E Huntoon	1,500.00	
UNIVE0236	E28462	R80699	22705	991207	CHECK # 279223 Financial Manager:	UNIVE-Formation and Characterizatio D J Swenson	2,500.00	
UNIVE0236	E28463	R80700	28905	000340	CHECK # 279223 Financial Manager:	UNIVE-Tissue Heating Effects of Non D A Nelson	2,171.93	
UNIVE0236	E28465	R80702	22575	991122	CK # 278493 Financial Manager:	UNIVE-Support for Navajo Students G J Bluth	1,652.12	
UNIVE0236	E28508	R80636	22555	971250	A52189 Financial Manager:	UNIVE-Remote Sensing Volcanic Cloud W I Rose	3,397.61	
UNIVE0236	E28564	R82004	24605	991206	CHECK # 278493 Financial Manager:	UNIVE-MI Rockets for Schools B H Suits	2,067.67	

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

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MICHIGAN TECHNOLOGICAL UNIVERSITY  
Other Federal Funding - Summary Expense by Agency  
From 07/01/2000 to 06/30/2001

CFDA#	Grantor ID#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
	UNIVE0236	E28587	R80695	22575	990247	CH# 114921 Financial Manager:	UNIVE-A New Method for Estimating V Ransibrahmanakul	5,316.75
							TOTAL FOR R80103	65,080.37
R80108 U S Enviromental Prot Agcy Fed Pass								
	KEWEE0052	E26724	R80713	22555	990633	C O 990633 Financial Manager:	KEWEE-Aquifer Supply Evaluation Wor J S Gierke	10,640.76
							TOTAL FOR R80108	10,640.76
R80124 U S Dept of Labor Federal Pass Thru								
	MICON0002	E27063	R80709	22805	960628P5	BSR-00-01 Financial Manager:	MICON-7/1/00-6/30/01 Michigan Mine O F Otuonye	40,640.67
	MICON0002	E27189	R82001	22805	960628P6	MTU # 960628P6 Financial Manager:	MICON-FY2001 Mi Mine Safety O F Otuonye	136,200.66
							TOTAL FOR R80124	176,841.33
R80127 Dept of Education Fed Pass Thru:								
	MIEDU0021	E27182	R80694	36001	990913	LETTER 4/17/00 Financial Manager:	MIEDU-2000 Summer Institute for Tec S N Suryanarayana	20,685.00
							TOTAL FOR R80127	20,685.00
							GRAND TOTAL	336,055.45

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



MICHIGAN TECHNOLOGICAL UNIVERSITY  
 Student Financial Aid - Summary Expense by CFDA#  
 From 07/01/2000 to 06/30/2001

CFDA#	Grantor ID#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
-----								
S12300	U.S. Dept of Education-Yr to date:							
84.033	E32722	S90040	34002				DOE-Campus Work Study	
							Financial Manager: T T Malette	211,493.54
							TOTAL FOR CFDA# 84.033	211,493.54
84.063	E30715	S90025	34002				DOE-Pell Grant Scholarships	
							Financial Manager: T T Malette	1,922,576.00
							TOTAL FOR CFDA# 84.063	1,922,576.00
84.066	E32720	S90030	34002				DOE-SEOG	
							Financial Manager: T T Malette	320,080.00
							TOTAL FOR CFDA# 84.066	320,080.00
							TOTAL FOR S12300	2,454,149.54
							GRAND TOTAL FOR CFDA's	2,454,149.54

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

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MICHIGAN TECHNOLOGICAL UNIVERSITY  
Student Financial Aid - Summary Expense by Agency  
From 07/01/2000 to 06/30/2001

CFDA#	Grantor ID#	Index	Fund	Orgn	Proposal#	Contract #	Fund Title	Amount
C11300 U.S. Dept. of Education:								
	S79167	C10065	32503				Financial Manager: Robert C. Byrd Honors T T Malette	51,000.00
							TOTAL FOR C11300	51,000.00
							GRAND TOTAL	51,000.00

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

**Michigan Technological University**  
**Schedule of Expenditures of Federal Awards**  
**For the Year Ended June 30, 2001**

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**Summary from Pages 4-54**

Research and Development	\$ 19,640,298
Student Financial Aid	2,505,150 (a)
Other Federal Awards	<u>836,629</u>
Total from Pages 4-54	22,982,077

**Non-Cash Assistance**

Federal Perkins Loans (b)	1,630,849 (a)
Federal Direct Loan Program	<u>11,259,685 (a)</u>
Total Non-Cash Assistance	<u>12,890,534</u>
Total Expenditures of Federal Awards	<u>\$ 35,872,611</u>

(a) Major Programs

(b) Loans are measured by the value of the loans made as of June 30, 2001.

See notes to Schedule of Expenditures of Federal Awards.

**Michigan Technological University**  
**Notes to Schedule of Expenditures of Federal Awards**  
**For the Year Ended June 30, 2001**

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**1. Basis of Accounting:**

The Schedule of Expenditures of Federal Awards is presented on the same basis of accounting used for presentation of the University's financial statements, which is in accordance with generally accepted accounting principles.

**2. Catalog of Federal Domestic Assistance (CFDA) Numbers:**

All programs with identifiable CFDA numbers have been listed separately. All other programs for which such numbers were unavailable or in the case of NASA and others who do not issue CFDA numbers, the applicable award numbers have been provided.

**Michigan Technological University**  
**Schedule of Findings and Questioned Costs**  
**For the Year Ended June 30, 2001**

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**1. Summary of auditors results:**

- a. The type of report issued on the financial statements: unqualified opinion.
- b. Reportable conditions in internal control disclosed by the audit of the financial statements: none reported. Material weaknesses: no.
- c. Noncompliance which is material to the financial statements: no.
- d. Reportable conditions in internal control over major programs: none reported. Material weaknesses: no.
- e. The type of report issued on compliance for major programs: unqualified opinion.
- f. Any audit findings which are required to be reported under Section 510(a) of OMB Circular A-133: no. (Additionally, there were no audit findings for the year ended June 30, 2000.)
- g. Major programs include:
  - Student Financial Aid
  - Federal Perkins Loans
  - Federal Direct Loan Program
- h. Type A programs include all programs with expenditures which exceed \$1,076,178. Programs which are not Type A programs are Type B programs.
- i. The University did qualify as a low risk auditee as defined by OMB Circular A-133.

**2. Findings and questioned costs related to the financial statements: reported in accordance with *Government Auditing Standards*:**

The results of our tests did not disclose material findings related to the University's financial statements. However, we noted certain matters that we have discussed with management of the University.