

# **Survey of ANL Organization Plans for Word Processors, Personal Computers, Workstations, and Associated Software**

By

Karen R. Fenske

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Computing and Telecommunications Division  
Argonne National Laboratory, 9700 South Cass Avenue, Argonne, Illinois 60439-4801

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**MASTER**



## ACKNOWLEDGMENTS

The Computing and Telecommunications Division (CTD) thanks the members of the various ANL organizations who completed the informational survey forms. In most instances, these people are the contact persons cited on the forms. Mike Boxberger, Miriam Bretscher, Clifford Caruthers, Marydale Caruthers, John Jasunas, Fred Moszur, Debbie Mounce, Jim Regula, Rich Slade, and Samantha Vote of CTD also contributed to and reviewed the *Survey*.

The *Survey* was created with Microsoft Word on the Apple Macintosh for printing on the Apple LaserWriter.

## HOW TO USE THE SURVEY

The Computing and Telecommunications Division (CTD) has compiled this *Survey of ANL Organization Plans for Word Processors, Personal Computers, Workstations, and Associated Software* (ANL/TM 459, Revision 3) to provide DOE and Argonne with a record of recent growth in the acquisition and use of personal computers, microcomputers, and word processors at ANL. Laboratory planners, service providers, and people involved in office automation may find the *Survey* useful. It is for internal use only, and any unauthorized use is prohibited.

Readers of the *Survey* should use it as a reference document that (1) documents the plans of each organization for office automation, (2) identifies appropriate planners and other contact people in those organizations, and (3) encourages the sharing of this information among those people making plans for organizations and decisions about office automation. The *Survey* supplements information in both the *ANL Statement of Site Strategy for Computing Workstations* (ANL/TM 458) and the *ANL Site Response for the DOE Information Technology Resources Long-Range Plan* (ANL/TM 485).

CTD's procedure for compiling this *Survey* has been to request that each organization provide the following information in previously formatted tables:

- Contact person(s), subject, phone number, and e-mail address.
- Numbers of personal computers and workstations that existed in FY1990, that exist in FY1991 and that will exist in FY1992.
- Numbers of word processors that existed in FY1990, that exist in FY1991, and that will exist in FY1992.
- Names and numbers of software packages that will be in use by September 1991.
- Numbers of network connections that exist in FY1991 and that will exist in FY1992.
- Additional plans for office automation.

If a cost center did not provide information for a table, we omitted that table from the *Survey*.

"N/A" symbolizes a number that a cost center did not provide in a completed table.

The following organizations did not participate in the FY1991 *Survey*:

- Argonne West--EBR-II (Cost Center 102)
- Argonne West--Radiation Monitoring (Cost Center 551)
- Argonne West--Safety Staff (Cost Center 536)
- Argonne West--Special Materials (Cost Center 532)
- Installations (Cost Center 502)

Argonne West--Food Services (Cost Center 559) does not appear in the 1991 *Survey* because it has no hardware, software, or network connections.



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**ADVANCED PHOTON SOURCE (COST CENTER 130)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Bill Kator	Inventory	2-6500	KATORW@ANLAPS

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	25	9	9
Apple (II, Macintosh)	15	64	64
Compaq	20	63	63
Sun	4	45	45
Dec Workstation	0	2	2
VAX Station	3	6	6
AST	0	2	2
Dell	0	6	6
DTK	0	4	4
Encrex	0	1	1
Epson	0	2	2
GesPac	0	1	1
Hewlett Packard	1	1	1
MicroStar	0	1	1
Northgate	0	1	1
Standard	0	2	2
Toshiba	0	2	2
Zenith	0	2	2
Zeos	0	1	1

**Software***Word Processing/Editing*

MacWrite	(6)
Word	(26)
WordStar	(3)
WordPerfect	(1)
Correct Grammer	(1)

*Graphics*

MacDraw	(7)
MacPaint	(4)
MacDraft	(2)
Cricket Graph	(2)
GEM	(2)
Harvard Graphics	(1)
Kaleidagraph	(9)
PaintBrush	(2)
Power Point	(1)
AutoSketch	(1)
Canvas	(1)

*Utilities*

Norton Commander	(19)
Norton Utilities	(19)
MacTools	(2)
PC Tools	(1)
QEMM	(20)
Sidekick	(4)
Sideways	(1)
Suitcase II	(1)
After Dark	(2)

*Network Operating Systems*

PC NFS	(1)
TOPS	(3)

*Database*

DBase III	(3)
DBase IV	(1)
FileMaker	(2)

*Desktop Publishing*

PageMaker	(1)
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*Integrated Packages*

Microsoft Works	(1)
MS Windows	(13)

*Project Management*

MacProject II	(2)
Harvard Project	
Manager	(1)
Professional Plan	(1)

*Spreadsheet*

Quattro	(1)
Lotus 1-2-3	(5)
Excel	(20)

*Languages/Compilers*

Pascal	(5)
Fortran	(2)
Turbo Basic	(1)
Turbo Lightning	(1)
4th Dimension	(1)
4D Compiler	(1)
C Compiler	(14)
C++ Compiler	(1)
HyperCard	(2)

*Operating Systems*

20/20 DOS	(1)
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*DOS Utility*

FastBack	(2)
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*Communication/Terminal Emulation*

NCSA Telnet	(4)
Kermit	(72)
Reflections	(72)
SmarTerm	(1)
VersaTerm	(14)

*CAE/CAD*

AutoCAD	(16)
ORCAD	(2)
Claris CAD	(5)
Easy CAD	(1)
Math Cad	(1)

**Software (continued)***Other*

Abecos D (1)	Back & Forth (5)	BussPlot (1)
CALA (1)	Charisma (2)	CIRCE (1)
Dyno (1)	Electrc 5 (1)	Exodus II (1)
Fault (1)	GenSize (1)	HostAccess (1)
Image Grabber (1)	LabView (3)	Lotus Symphony (1)
Mathematica (1)	Mathtype (2)	On Cue (2)
OpenWindow (1)	PE2D (1)	Promise (1)
Prototyper (1)	Pspice (2)	QUED (1)
Square D (1)	Symontec (2)	T/Maker WriteNow (1)
Tosca (2)	Trace Calc (1)	Webster (1)

**Network Connections**

	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Lab-wide Ethernet	200	200
TCP/IP	0	0
DECnet	0	0
Both	0	0
Local AppleTalk	0	0
Local 3Com	0	0

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. **Scientific Work Stations:** Will probably continue to acquire scientific workstations for both UNIX and VMS environments. The stations will be replacing character cell terminals. Migration is being made towards more distributed computing.
2. **Personal Computing:** Will probably not continue to purchase personal computers, but rather replace them with workstations and X-terminals. Migrating toward distributed computing.
3. **Local Area Networking:** Will continue to maintain all workstations and personal computers on a local area network as part of the distributed computing environment. Will add a CISCO router to help maintain the LAN along with the wide area network.
4. **Office Automation:** Primary area of effort in office automation will be to implement a WYSIWYG word processor.

## ARGONNE WEST--ANALYTICAL LABORATORY (COST CENTER 119)

## Primary Contacts

Contact Person	Subject	Phone	E-Mail Address
Gordon Bernard	All	6-7931	N/A

## Personal Computers and Workstations

Manufacturer	Existing FY1990	Existing FY1991	Estimated Total FY1992
IBM Compatibles	N/A	21	23
Apple (II, Macintosh)	N/A	2	3
Hewlett Packard 86	N/A	2	2
Compu-Add	2	0	0

## Software

## Word Processing/Editing

Word	(2)
Word Perfect	(11)

## Graphics

MacDraw II	(1)
MacPaint	(1)
Draw	(1)
AutoSketch	(5)

## Database

DBase III Plus	(4)
DBase IV	(3)

## Spreadsheet

Lotus 1-2-3	(2)
Quattro	(7)

## Integrated Packages

Excel	(2)
Integrator	(1)

## Communication/Terminal Emulation

Kermit	(4)
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## Utility

HyperCard	(1)
Ontrack	(2)
PC Fullback	(10)
Norton Utilities	(5)

## Other

Chromato Chart	(1)
MS DOS	(21)
Chem Perfect	(3)

## Languages

Quick Basic	(6)
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Network Connections		
	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Lab-wide Ethernet DECnet	1 1	1 1

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations:** *Plan on adding computer controlled robotics in the lab hot cells.*
- 2. Personal Computing:** *None planned.*
- 3. Local Area Networking:** *Planning on setting up a LIM system.*
- 4. Office Automation:** *None planned.*

**ARGONNE WEST--COMPUTER APPLICATIONS AND SERVICE (COST CENTER 550)**
**Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Ronald C. Larsen	All	6-7052	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
PC Limited	1	1	1
Club American	2	2	2
IBM PC/AT Clone	1	4	4
IBM PC/XT Clone	2	2	2
IBM PC	0	4	4
385 Clones	0	5	5
386 SX	0	5	5

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
NBI 64	1	1	1
NBI 5000S	1	0	N/A
NBI 4000S	2	1	1
NBI 2000	2	2	2

**Software***Word Processing/Editing*

Mass-11	(1)
WordPerfect	(16)
WordPerfect Office	(2)

*Database*

DBase III Plus	(5)
DBase IV	(7)
FoxPro 2.0	(1)

*Spreadsheet*

Lotus 1-2-3	(2)
Quattro Pro	(1)
Excel 3.0	(2)

*Languages/Compilers*

Latice C	(1)
Assemble	(2)
Microsoft C	(1)
Microsoft Basic 7.0	(1)
Microsoft Windows	(1)

*Operating Systems*

Windows 3.0	(6)
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*Utility*

Norton Utilities	(3)
Norton Backup	(4)

*CAE/CAD*

AutoCAD	(3)
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**Network Connections***Existing  
FY1991**Estimated Total  
FY1992***Lab-wide Ethernet**

TCP/IP	3	4
DECnet	1	3
Novell	20 (network)	28 (2 networks)

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. **Scientific Work Stations:** *None planned.*
2. **Personal Computing:** *IBM-PC Clones based on 80386 implementation.*
3. **Local Area Networking:** *Connection of all departmental personal computers in local area networks to share printers and other resources to facilitate mail and backup of files.*
4. **Office Automation:** *Uniform implementation of WordPerfect for word processing applications in a network environment with DBase III+ and IV for database applications.*

**ARGONNE WEST--HUMAN RESOURCES (COST CENTER 531)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Dawn Davidson	Personal Computers	6-7323	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	1	1	1
Club American	1	1	1

**Software**

<i>Word Processing/Editing</i> Mass-11	(1)	<i>Database</i> DBase III Plus	(1)
<i>Communication/Terminal Emulation</i>			
VTerm	(1)		
Kermit	(1)		
Apollo	(1)		

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. *Scientific Work Stations: None planned.*
2. *Personal Computing: None planned.*
3. *Local Area Networking: None planned.*
4. *Office Automation: None planned.*

**ARGONNE WEST--IFR DIVISION (COST CENTER 104)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Colin Groves	ANL-W Computer Program Representative	6-7246	N/A
Eric Dean	IFR Division PC issues IFR Division Apple/Mac issues	6-7140	N/A
Mike Hitz	Engineering Dept. Workstations Network	6-7138	N/A
Jeff Staffon Bill Booty/ Ed Laird	SUN Workstations EBR-II DAS	6-7037 6-7271	N/A N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM PC, XT, AT	0	29	29
MiS 80386-25	0	1	4
MiS 386SX	0	7	11
Apple MacII	0	15	15
Club 286	0	36	36
ACT 386SX	0	5	5
IBM PS/2 Model 50	0	19	19
IBM PS/2 Model 70	0	5	5
Altec 286	0	4	4
PC Limited 286	0	2	2
Gateway 2000 386	0	4	4
Altec 386	0	3	3
Bently 286	0	1	1
Toshiba 286 Laptop	0	1	1
SUN 3/60	0	3	3
HP 6400	0	1	1
Epson Equity 286 Laptop	0	1	1

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
NBI	1	1	1
IBM EWP 50	0	1	1

**Software***Word Processing/Editing*

WordPerfect	(48)
MicroSoft Word	(12)
WordStar	(2)
WordVision	(2)

*Integrated Productivity*

Framework III	(25)
MicroSoft Works	(2)
MASS11	(3)

*Spreadsheet*

MicroSoft Excel	(9)
Quattro Pro	(2)

*Languages/Copmpilers*

C	(6)
C++	(2)
Pascal	(2)
Prolog	(2)
Fortran	(2)

*System Utilities*

Norton Commander	(24)
PC Tools	(9)
RapidFile	(4)
Filemaker Pro	(5)
PC Plot	(19)

*Database*

DBase III+	(10)
DBase IV	(1)
Paradox	(4)
Paradox Engine	(1)

*CAD/Graphics*

Autosketch	(39)
Autoocad	(4)
DrawPerfect	(2)
HyperCard	(9)
MacDraw	(4)

*Special Operating Systems*

MicroSoft Windows	(15)
OS2	(2)
QNX	(8)
Concurrent DOS XM	(3)

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations:** *Integrate a MasComp Workstation with the Engineering Dept. Workstation Network (EDWN).*
- 2. Personal Computing:** *Continue to upgrade PC workstations to 80386-based machine running MicroSoft Windows as older machines are replaced.*
- 3. Local Area Networking:** *Shift IFR Division workload away from the ANL-W VAX and toward the EDWN PC Network.*
- 4. Office Automation:** *Connect all Engineering Dept. PCs to the EDWN PC LAN, transfer existing databases from the ANL-W VAX MASS11 to Paradox on the PC LAN, and expand database applications to include engineering project planning and tracking.*

**ARGONNE WEST--INFORMATION SERVICES (COST CENTER 537)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Judy Krieger	All	6-7237	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	2	4	5

**Software**

<i>Word Processing/Editing</i>		<i>Database</i>	
WordPerfect	(1)	DBase III	(1)
		Passport	(1)
<i>Spreadsheet</i>		<i>Communication/Terminal Emulation</i>	
Lotus 1-2-3	(1)	Kermit	(1)
<i>Utility</i>			
QFiler	(1)		

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations: One new station will provide C-D ROM standards from ANSI, ASME, IEEE, and UL. The other will be used for searching data bases such as Science and Technology, NTIS, Science Citation, Chemical Abstracts, etc. on C-D ROM.*
- 2. Personal Computing: Implement graphic programs for use in newsletter.*
- 3. Local Area Networking: None planned.*
- 4. Office Automation: Develop experience with DBase, OCLC Passport, WordPerfect, and the new Dialog data bases.*

**ARGONNE WEST--MACHINE SHOP (COST CENTER 554)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Larry Spencer	All	6-7411	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Micro-Term	N/A	N/A	N/A
MIS 3865X-16 Computer	N/A	1	1

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
Xerox Model 6040	N/A	1	1

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

*1. Scientific Work Stations: None planned*

*2. Personal Computing: None planned*

*3. Local Area Networking: DBase*

*4. Office Automation: None planned*

**ARGONNE WEST--MATERIALS HANDLING (COST CENTER 538)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
J.S. Molcn	All	6-7484	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Altcc-286	0	3	3
H.P. Laser Jet III	0	1	1

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
Xcrox	1	1	0

**Software**

<i>Word Processing/Editing</i>		<i>Database</i>	
WordPerfect	(1)	DBase III Plus	(1)
Dos 5	(1)	DBase IV	(1)
<i>Other</i>			
List and Mail Plus	(1)		
Formfiller	(1)		
49 CFR Reg Scan	(1)		
29 CFR Reg Scan	(1)		

<i>Manufacturer</i>	<i>Other</i>		
	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
H.P. Laser Jet III	0	1	1

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations:** *None planned.*
- 2. Personal Computing:** *Implement IBM-compatible personal computers.*
- 3. Local Area Networking:** *None planned.*
- 4. Office Automation:** *Upgrade from Xerox to IBM-compatible system.*

**ARGONNE WEST--OFFICE OF QUALITY ASSURANCE (COST CENTER 561)**
**Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Ellen Christensen	All	6-7523	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	1	1	3
PC Limited	2	2	2
Hewlett Packard	1	1	1
ERCO	1	1	1

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
SilverReed EX 78	N/A	N/A	N/A

**Software**

<i>Database</i>		<i>Word Processing</i>			
DBase III Plus	(5)	Word Perfect	(5)	Windows	(1)
CALPRO	(1)	Mass11	(1)	Kermit	(1)
<i>Utilities</i>		Excel	(1)	PageMaker	(1)
Norton Utilities	(3)	FastBack	(1)	Reflections	(1)
		ORPS	(1)		

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations:** *None planned*
- 2. Personal Computing:** *Implementing access to ORPS for Occurrence Reporting.*
- 3. Local Area Networking:** *None planned.*
- 4. Office Automation:** *Institute tracking and trending of action items.*

**ARGONNE WEST--PLANT SERVICES (COST CENTER 557)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Bruce C. Gay	All	6-7715	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Club American	5	5	5
APS	0	1	1
MIS 386SX-16	0	8	12
Gateway 286	0	1	1
IBM PS-2	0	1	1

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
IBM Wheelwriter 6	2	2	2
Xerox 620	1	1	1
Xerox 6020	1	1	1
IBM Wheelwriter 30	0	1	1

**Software**

*Word Processing/Editing*  
 Mass-11 (4)  
 DeskMate (4)  
 WordPerfect 5.1 (12)

*Graphics*  
 AutoSketch (5)  
 DrawPerfect (2)

*Database*  
 DBase III Plus (3)  
 DBase IV (2)

*Desktop Publishing*  
 Always (3)  
 Sideways (1))

*Spreadsheet*  
 Lotus 1-2-3 (6)  
 Quattro-Pro (1)

*Security*  
 FluShot (1)  
 PC-Vault (2)

**Software (continued)**

<i>Communication/Terminal Emulation</i>		<i>Utility</i>	
Kermit	(8)	Norton Commander	(11)
<i>Other</i>		Wonder	(6)
Registrar	(1)	Mouse	(10)
Regscan	(6)	Norton Utilities	(1)
TopPriority	(4)		
Ladder	(1)		
MicroSoft Project	(2)		
IBM Info Window	(1)		
		Fast Regs	(2)
		SARA!	(2)
		Form Tool	(1)
		Whereabouts	(1)
		Windows	(2)

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations:** *None planned.*
- 2. Personal Computing:** *Continue to develop maintenance engineering support applications utilizing existing available commercial software.*
- 3. Local Area Networking:** *None planned.*
- 4. Office Automation:** *Continue to develop and implement office automation improvements using available commercial software.*

**ARGONNE WEST--PURCHASING (COST CENTER 534)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
G.B. Wray	All	6-7243	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
Gateway	1	4	4
ACT	4	4	4
ALTEC	2	2	2

**Software***Word Processing/Editing*

Mass-11 (1)

*Database*

DBase III Plus	(1)
Lotus 1-2-3	(1)
Quattro Pro	(1)

*Communication/Terminal Emulation*

Reflections (5)

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations: None planned.*
- 2. Personal Computing: Four (4) additional personal computers will be procured with Word Perfect and Reflections software (to emulate AMPS) to replace aging H.P. terminals*
- 3. Local Area Networking: Establish procurement LAN w/Novell Netware 286 Version 2.15.*
- 4. Office Automation: None planned.*

**ARGONNE WEST--SECURITY (COST CENTER 535)**

<b>Primary Contacts</b>			
<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Manny Sanchez	All	6-7347	N/A

<b>Personal Computers and Workstations</b>			
<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	2	2	3
PC Limited	3	3	3
Club American	2	2	2
Hewlett Packard	1	1	1
MIS Computer	0	5	6

<b>Software</b>			
<i>Word Processing/Editing</i>		<i>Graphics</i>	
Mass-11	(1)	Express Graphics	(5)
WordPerfect	(12)	One Step Graphic & Palette Plus	(1)
PC Write	(2)	Surfer	(1)
Grammatik	(3)	Image	(1)
Leading Edge	(2)		
<i>Database</i>		<i>Spreadsheet</i>	
DBase III Plus	(4)	Express Calc	(3)
File Express	(9)		
QFiler	(6)		
<i>Utility</i>		<i>Security</i>	
MS Windows	(2)	G 6000 Key and Core Control	(1)
Norton Utilities	(3)	PC Lock	(1)
Onside	(2)	Assess VA	(1)
Tool Box	(2)	PC Vault	(1)
Everex Board	(1)	FTR	(1)
		Superlok 300	(4)

**Software (continued)**

<i>CAE/CAD</i>		<i>Project Management</i>	
US Metric Conversion	(1)	Softbytes	(1)
MathCAD	(2)	Managex	(1)
Generic CAD	(1)		
<i>Other</i>			
DOS	(13)		
PC Fullback	(7)		
Reflections	(1)		

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations:** *None planned.*
- 2. Personal Computing:** *None planned.*
- 3. Local Area Networking:** *None planned.*
- 4. Office Automation:** *None planned.*

**ARGONNE WEST--SITE ENGINEERING (COST CENTER 556)****Primary Contacts**

Contact Person	Subject	Phone	E-Mail Address
John K. Ammon	All	6-7505	N/A
Gene K. Sherman	All	6-7353	N/A
Roger L. Black	All	6-7199	N/A

**Personal Computers and Workstations**

Manufacturer	Existing FY1990	Existing FY1991	Estimated Total FY1992
IBM (AT, XT)	4	4	4
Apple (II, Mac, CX)	4	6	6
Compaq	0	1	1
Club American	20	20	20
Intergraph Interact 32c	1	1	1
A.C.T	0	24	31
Gateway	13	13	13
M.I.S.	0	1	1
Z.I.P.	1	1	1
Dauphin Laptop	1	1	1
S & M	0	2	2

**Word Processors**

Manufacturer	Existing FY1990	Existing FY1991	Estimated Total FY 1992
SilverReed	1	1	1

**Software***Word Processing/Editing*

Word	(4)
MacWrite	(2)
WordPerfect 5.1	(10)

*Project Management*

TimeLine 4.0	(1)
Permaster Advance	(2)
Surfer	(10)

*Graphics*

MacPaint	(1)
ChartMaster	(1)
CricketDraw	(1)
EPS Illustrations	(1)
Paste Ease	(1)
SuperPaint	(1)
Adobe Illustrator	(1)
Impact Images	(1)
MacDraft	(2)
MacDraw	(1)
CricketPresent	(1)
CricketGraph	(1)

**Software (continued)***Database*

DBase III	(2)
DBase III+	(4)

*Desktop Publishing*

PageMaker	(1)
Express	(1)

*Spreadsheet*

Framework III	(10)
Quattro Pro	(10)
Works	(3)

*Communication/Terminal Emulation*

Procomm Plus	(1)
DOECOMM	(3)
Kermit	(3)
Carbon Copy	(1)

*Networking*

Novell AFT V2.15c	
Novell ELS V1.1	

*CAD/CAM*

Microstation 32	(1)
AutoCAD Release 11	(3)
AutoCAD Release 10	(37)

*Utility*

Norton 5.0	(10)
MAC Tools	(4)
Virex	(2)
Excel	(1)

*Other*

AWORKS	(1)
Coach	(3)
Grammitik 4	(10)

**Network Connections***Existing  
FY1991**Estimated Total  
FY1992*

Local Appletalk	4	4
Novell LAN #1	37	40
Novell LAN#2	13	15
Lab-wide Tellabs	4	6

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

**1. Scientific Work Stations:** *None planned at the present, but will continue to evaluate their value as an engineering platform and drafting tool.*

**2. Personal Computing:** *We will increase both in the quantity and use of personal computers. We will look at using one for the tracking of tasks and resources.*

**3. Local Area Networking:** *We will increase the number of users once we have upgraded to the current version of Novell and will look at bridging to other LANs.*

**4. Office Automation:** *CDOCS (Classified Document Control System) is and will be expanded and used for storage of all records.*

**ARGONNE WEST--SITE MANAGER'S OFFICE (COST CENTER 530)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Jerry Ward	All	6-7108	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
PC Limited	1	1	1
ACT 386	0	3	4
ALTECH	0	2	2
MacIntosh	0	4	5

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
NBI	1	0	0
Xerox	1	1	0

**Software***Word Processing/Editing*

Word	(1)
Mass-11	(1)
WordPerfect	(5)

*Utility*

SystemMate II	(1)
Norton Backup	(2)
Excel	(4)
Screenblanker	(3)

*Communication/Terminal Emulation*

Kermit	(4)
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*Database*

FoxPro	(1)
DBase IV	(1)
Relational Report	
Writer	(1)
Windows	(2)
MS Project for	
Windows	(1)

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. *Scientific Work Stations: None planned.*
2. *Personal Computing: One MacIntosh II; One IBM PC Clone*
3. *Local Area Networking: None planned.*
4. *Office Automation: None planned.*

**BIOLOGICAL AND MEDICAL RESEARCH (COST CENTER 110)****Primary Contacts**

Contact Person	Subject	Phone	E-Mail Address
Susan Barr	NBI	2-3821	N/A
Ken Groh	ADAC	2-3861	GROH@ANLBEM
Carol Fox	Inventory	2-3945	FOX@ANBIOR

**Personal Computers and Workstations**

Manufacturer	Existing FY1990	Existing FY1991	Estimated Total FY1992
IBM (PC, AT, XT, PS/2)	5	20	23
Apple (II, Macintosh)	6	7	7
ADAC	5	1	1
MICROLAB	1	0	0
DIGITAL	5	6	7
AST Research	4	7	7
Hewlett Packard	3	4	4
Waters Assoc	1	0	0
DTK 386SX	0	6	8
3Com 401S	0	1	1
Microstar 286	0	1	2
Microstar 386	0	1	1
Compaq	0	2	3
DIGITAL MicrovaxII	0	2	2
DIGITAL 3100 Morbel 76	0	1	2

**Word Processors**

Manufacturer	Existing FY1990	Existing FY1991	Estimated Total FY 1992
IBM	3	5	5
NBI	12	0	0

**Software**

Word Processing/Editing	Spreadsheet
Text Editor (35)	Lotus 1-2-3 (2)
WordPerfect (10)	
Languages/Compilers	Utility
BASIC (10)	Textra (1)
FORTRAN (10)	DNASTAR (1)

<b>Network Connections</b>		
	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Lab-wide Ethernet		
DECnet	30	31
TCP/IP	9	11

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations:** *None planned.*
- 2. Personal Computing:** *None planned.*
- 3. Local Area Networking:** *Connect specific PCs to VAX systems for data transfer back and forth.*
- 4. Office Automation:** *Connect secretarial PCs to each other using PCSA networking system.*

**BUILDING MAINTENANCE (COST CENTER 501)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Lillian Brockman Jim Huggins	Workstations Manager	2-5992 2-5241	N/A N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	9	12	20

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
NBI	2	2	0

**Software**

<i>Word Processing/Editing</i>		<i>Graphics</i>	
Word	(2)	Harvard Graphics	(1)
Word Perfect	(3)		
<i>Database</i>			
DBase III Plus	(3)		
DBase IV	(1)		

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations: None planned.*
- 2. Personal Computing: None planned.*
- 3. Local Area Networking: None planned.*
- 4. Office Automation: None planned.*

**CENTRAL SHOPS (COST CENTER 210)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Al Schneider	All	2-7082	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	12	8	10
Compaq	2	8	10
Gateway	0	2	2
Texas Instruments	0	2	2

**Software**

<i>Word Processing/Editing</i>		<i>Graphics</i>	
Word	(12)	CHART	(2)
<i>Database</i>		<i>Communication/Terminal Emulation</i>	
DBaseIV	(10)	Kermit	(7)
Mfg. Shop Control	(1)	ANS C2	(4)
		MSE-Estimating	(7)
<i>Spreadsheet</i>		<i>CAE/CAD/CAM</i>	
Multiplan	(3)	AutoCAD	(2)
QuattroPro	(10)	SmartCAM	(2)

**Network Connections**

	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Local 3Com		
Novell	0	10

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. *Scientific Work Stations:* *None planned.*
2. *Personal Computing:* *Existing programs.*
3. *Local Area Networking:* *Novell network for Central Shops office and shop areas. Shop control software and bar code data acquisition.*
4. *Office Automation:* *Order entry, job tracking, shop control, inventory control, purchasing/receiving, data acquisition.*

**CHEMICAL TECHNOLOGY (COST CENTERS 107 AND 269)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Stephen Gabelnick	Personal Computers Workstations Inventory	2-4365	B17146 AT ANLCMT

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	27	30	30
Apple (II, Macintosh)	25	35	40
Compaq	2	5	6
Zenith	1	1	1
AST Research	31	36	36
AMT	2	0	0
Toshiba	1	1	2
Hewlett Packard	3	4	4
DEC PC350	5	5	5
DEC VAXstations	5	10	12
Gateway 2000	0	12	25

**Software***Word Processing/Editing*

Word	(30)
KEDIT	(1)
Mass-11	(15)
WordPerfect	(10)

*Graphics*

MacDraw II	(4)
SuperChart	(5)
SuperImage	(5)
Mass-11 Draw	(8)
Cricket Graph	(13)
Corel Draw	(1)

*Database*

DBase III Plus	(5)
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*Desktop Publishing*

IBM Interleaf	(1)
Expressionist	(4)

*Project Management*

TimeLine	(1)
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*Integrated Packages*

Excel	(30)
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*Languages/Compilers*

Turbo Pascal	(8)
FORTRAN	(2)
Basic	(50)

*Communication/Terminal Emulation*

VTerm	(20)
SmarTerm 240	(3)
Reflection	(10)
Kermit	(20)

Software (continued)			
<i>Utility</i>		<i>CAE/CAD</i>	
Norton Utilities	(10)	AutoCAD	(3)
PC Tools	(10)		
Diskfit	(15)		
<i>Other</i>			
Desqview	(5)		

Network Connections		
	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Lab-wide Ethernet		
DECnet	60	80
Both	60	80
Lab-wide AppleTalk	30	40

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. *Scientific Work Stations: IBM RISC/6000 for computational chemistry.*
2. *Personal Computing: Continued purchase of PC clones and MacIntoshes for office automation:*
3. *Local Area Networking: Installation of twisted-pair (10 Base-T) Ethernet web in addition to existing thin wire and thick wire. Installation of CISCO router/bridge.*
4. *Office Automation: See above.*

**CHEMISTRY (COST CENTER 120)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Ron Van Buskirk	All	2-3684	VANBUSKIRK@ANLCHM

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	64	55	55
Apple (II, Macintosh)	111	144	150
Compaq	1	1	1
Sun	1	3	3
Zenith	1	1	1
PC Limited	2	2	2
Standard Prod.	8	8	8
AST Research	2	2	2
Dell System	5	8	8
Microstar	1	1	1
Digital	4	8	9
DataGeneral	1	1	1
Nicolet	1	1	1
Hewlett Packard	1	1	1
Hazelinc	1	1	1
Lundy	1	1	1
IBM PS/6000	0	1	3
Toshiba	1	1	1
Gateway	5	5	8
LOGOS ACT	1	1	1

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
IBM	5	4	4

<b>Software</b>		
<i>Languages/Compilers</i>		<i>Graphics</i>
IBM Basic	(2)	ANSI Graph (1)
IBM Fortran	(3)	Charting Gallery (1)
LS C	(2)	ChemDraw (1)
LS Pascal	(1)	CricketDraw (2)
MacBasic	(4)	CricketGraph (7)
MS Quick Basic	(4)	ExpressGraph (1)
MS C	(3)	Framework II (1)
MS Quick C	(2)	HP Drawgal (1)
QuickBasic	(2)	Kaleidagraph (4)
MacFortran	(5)	MacDraft (6)
Turbo Pascal	(1)	MacPlot (1)
		PC Plot (3)
		TechGraph PD (2)
<i>Word Processing/Editing</i>		<i>Communication/Terminal Emulation</i>
Chem Text	(1)	Emutek (1)
WordPerfect	(15)	MacTerminal (1)
WordStar	(4)	PC/Intercomm (1)
WordUp	(1)	PC Talk (1)
Endnote	(1)	SmartTerm (2)
PC Write	(2)	Versaterm (3)
MS Word	(4)	
<i>Database</i>		<i>Desktop Publishing</i>
DBase IV	(3)	Ready Set Go (5)
WingZ	(2)	
Double Helix	(1)	
Foxbase	(1)	
<i>Spreadsheet</i>		<i>Project Management</i>
Lotus 1-2-3	(5)	Harvard Project Manager (1)
PC Calc	(1)	SuperProject (1)
Excel	(3)	Mac Project (1)
<i>Integrated Packages</i>		<i>CAE/CAD</i>
SAS	(2)	McCad SCM-1 (1)
		McCad SMT-1 (1)
		Generic CAD (3)
<i>Utility</i>		
Norton Advanced Utilities	(1)	
Norton Commander	(1)	
Sidekick	(2)	
PC Tools	(2)	
Mac Tools	(3)	

**Software (continued)***Other*

Alchemy	(1)	MS Macro ASM	(1)
Disk Optimizer	(1)	MS Windows	(3)
EG&G Ace	(2)	MS Works	(1)
Expressionist	(11)	Natl. Inst. Dev. Pkg.	(6)
FastBack	(1)	NB488	(1)
First Aid	(1)	Passage	(1)
Halo	(3)	PC Model	(1)
Higgins	(1)	ProFile	(1)
HP UV/VIS	(1)	Q&A	(1)
IGOR	(3)	Readability	(1)
MacEQN	(1)	Reflex Plus	(2)
MacRabbit	(2)	Semantic	(1)
Mathematica	(2)	Software Carousel	(1)
MDC II	(1)	Super Laser Spool	(1)
MGM Station	(1)	Trumpet	(1)
Mince	(1)	VTEK	(1)
Mol. Present	(2)	Windows 286	(1)
Mouse Perfect	(1)	Windows 386	(3)
LabView	(4)	Windows 3.0	(2)

**Network Connections**

	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Lab-wide Ethernet		
TCP/IP	59	63
DECnet	34	34
Both	11	11
Lab-wide AppleTalk	50	55
Local AppleTalk	50	50
Local 3Com	0	0
MacLink	0	0

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations: We are increasing our computing capacity by adding RISC workstations to our network.*
- 2. Personal Computing: None planned.*
- 3. Local Area Networking: None planned.*
- 4. Office Automation: None planned.*

**CHIEF OPERATIONS OFFICER (COST CENTER 202)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Dennis Karras	All	2-3030	CDC AT ANLADM1

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM	10	14	14
MacIntosh	6	6	6

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
NBI	4	0	0

**Software**

*Word Processing/Editing*

NBI	(3)
Microsoft Word 5.0	(6)
WordPerfect	(3)
Network NBI Oasys System	

*Utilities*

Microsoft Word Power Point for Windows 3.0	(1)
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*Other*

pmate2	(4)
Lexis	(4)
Westlaw	(1)
Foreign Travel Management	(2)

*Database*

DBase III+	(3)
DBase IV	(2)

<b>Network Connections</b>		
	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
NBI Oasys	35	35
Novell	0	2

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations: None planned.*
- 2. Personal Computing: None planned.*
- 3. Local Area Networking: Plan to hook up to ESH/QA Oversight Novell network, two or three terminals.*
- 4. Office Automation: None planned.*

**COMPUTING AND TELECOMMUNICATIONS DIVISION (COST CENTERS  
146, 245, 247, AND 296)**

**Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Jim Regula	Workstations (IBM) 3Com Networking	2-7622	B37816 AT ANLVM
Dave Liska	Workstations (Macintosh)	2-3251	B36857 AT ANLCV1
Sally Ott	Inventory	2-8537	B11807 AT ANLVM
Linda Winkler	Workstations (Sun)	2-7236	WINKLER@SUNGATE.CTD.ANL.GOV

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	56	98	110
Apple (II, Macintosh)	33	45	52
Compaq	1	1	1
Sun	9	24	34
Xerox	0	1	1
Texas Instruments	0	1	2
Toshiba Laptop	0	4	6
Next	0	1	4
Iris	0	3	4

**Software**

<i>Word Processing/Editing</i>		<i>Graphics</i>	
MacWrite	(9)	MacDraw II	(6)
Word	(29)	MacPaint	(6)
KEDIT	(19)	Gem Draw	(5)
Text Editor	(20)	SuperImage	(8)
<i>Database</i>		<i>Desktop Publishing</i>	
DBase III Plus	(15)	PageMaker	(3)
<i>Spreadsheet</i>		<i>Project Management</i>	
Multiplan	(12)	MacProject II	(10)
<i>Integrated Packages</i>		<i>Communication/Terminal Emulation</i>	
Excel	(19)	VTerm	(4)
Helix	(4)	Kermit	(9)
		AZPC 2	(3)
		IBM PC3270	(4)

<b>Network Connections</b>		
	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Lab-wide Ethernet		
TCP/IP	125	150
DECnet	610	675
Lab-wide AppleTalk	450	600
Local AppleTalk	25	30
Local 3Com	20	23

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

*1. Scientific Work Stations: Developing X-Windows based utilities for distributive workstations; providing access to high quality output devices.*

*2. Personal Computing: Implementing personal computer access to high quality color output devices (e.g. slide, transparencies).*

*3. Local Area Networking: Upgrade two 3Com servers to 3Com Series 500 (386) servers. Install 3+ Open operating system and eventually migrate to MS-Lanmanager. We will also be installing a network E-Mail system with a gateway to SMTP/X.400 mail protocols.*

*4. Office Automation: Develop experience with document conversions utilities such as Software Bridge.*

**DIVISION OF EDUCATIONAL PROGRAMS (COST CENTER 139)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Catherine DuFour	Workstations Networks	2-4817	B39548 AT ANLVM

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	11	11	15
Compaq	1	1	1
Club American	2	2	2
Tatung	9	9	9
Epson	15 - 20	15-20	20-25

**Software**

<i>Word Processing/Editing</i>		<i>Desktop Publishing</i>	
Word	(15)	Ventura	(1)
<i>Spreadsheet</i>		<i>Languages/Compilers</i>	
Supercalc	(5)	Turbo BASIC	(1)
Quattro Pro	(2)	Turbo Pascal	(1)
<i>Communication/Terminal Emulation</i>		<i>Database</i>	
Kermit	(20)	DBase III+	(15)
<i>Graphics</i>			
Super Image	(1)		
Harvard Graphics	(2)		

**Network Connections**

	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Local 3Com	32	35

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. *Scientific Work Stations: None planned.*
2. *Personal Computing: None planned.*
3. *Local Area Networking: Plan to hook up to the Lab-wide network through the use of a CISCO router. We also plan to install a new E-mail system (such as CC:mail) with a gateway to recognize SMTP.*
4. *Office Automation: None planned.*

**ELECTRONICS (COST CENTER 143)****Primary Contacts**

Contact Person	Subject	Phone	E-Mail Address
Dale Travis	All	2-6964	N/A
Loretta Phillips	All	2-6934	N/A

**Personal Computers and Workstations**

Manufacturer	Existing FY1990	Existing FY1991	Estimated Total FY1992
Next	0	2	2
MCI	0	1	1
EL Clone	0	21	25
Apple	0	3	5
Gateway	0	17	20
IBM	0	1	1
Panasonic	0	1	1
SUN	0	4	6
DEC	0	7	7

**Software***Word Processing/Editing*

Correct Grammar	(3)
PC Write	(2)
Rightword	(1)
MS Word	(6)
WordPerfect	(9)
Wordstar	(12)

*Spreadsheet*

Lotus 1-2-3	(1)
MS Excel	(1)
Quattro Pro	(9)

*Database*

DBase III	(2)
DBase IV	(1)
Paradox	(3)

*CAD*

Orcad	(16)
Claris	(1)
AutoCAD	(1)
Easy Flow	(1)

*Communication/Terminal Emulation*

Brooklyn Bridge	(4)
Carbon Copy	(1)
Procom Plus	(4)
Reflections	(2)

*Diagnostic*

PC Technician	(1)
PC/View	(1)
QA Plus	(1)
System Sleuth	(3)

Software		
<i>Graphics</i>		<i>Operating System</i>
DrawPerfect	(4)	3 + open (1)
GemArtline	(1)	Desq/View (10)
Harvard Graphics	(1)	Direct Access (1)
McDraw II	(1)	DR DOS (2)
Proshow	(2)	Gem/3 (1)
<i>Utility</i>		IBM DOS (7)
53 various packages		LAN Manager (1)
		MS DOS (14)
		Netware (1)
		Norton Desktop (2)
		MS Windows (6)
		Uniforth Profs (1)

Network Connections		
	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Lab-wide Ethernet		
TCP/IP	7	9
DECNet Vax	10	12
Telnet	2	2
Mac Appletalk	5	5
IBM PC Clone Pathworks	10	16
Terminal Server with LAT	5	5
Cisco router	1	1

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. *Scientific Work Stations:* *None planned.*
2. *Personal Computing:* *None planned.*
3. *Local Area Networking:* *None planned.*
4. *Office Automation:* *None planned.*

**ENERGY, ENVIRONMENTAL, AND BIOLOGICAL RESEARCH PROGRAM  
ADMINISTRATION (COST CENTER 274)**

**Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Austine Petersen	MacIntosh	2-3721	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
MacIntosh II	1	1	1
MacIntosh IIcs	3	3	3
MacIntosh IIci	2	2	2
MacIntosh 1 Mb	1	1	1
MacIntosh Portable	0	1	1
Gateway 200 386/33c	0	1	1
MacIntosh SE 30	1	1	1
Howtek Scanner	1	1	1
Image Writer II	2	2	2
Laser Writer II	2	2	2
Hewlett Packard Desk Jet	0	1	1
Hewlett Packard Scan Jet	1	1	1
Hewlett Packard Desk Writer	1	1	1

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
NBI	0	0	0

**Software**

<i>Word Processing/Editing</i>		<i>Graphics</i>	
Word	(5)	Microsoft Chart (1)	MacDraw II (2)
Spreadsheet		Springboard Publisher (1)	MacProject II (1)
Excel	(4)	PixelPaint (1)	Canvas 2.0 (1)
		Printshop (1)	Bisomess 1 (1)

**Software (continued)***Graphics*

Microsoft Power Point	(1)
Cricket Graph	(1)

<i>Manufacturer</i>	<b>Other</b>		<b>Estimated Total FY1992</b>
	<b>Existing FY1990</b>	<b>Existing FY1991</b>	
Howteck Scanner	1	1	1
Image Writer II	2	2	2
Laser Writer II	2	2	2
Hewlett Packard Desk Jet	0	1	1
Hewlett Packard Scan Jet	1	1	1
Hewlett Packard Desk Writer	1	1	1

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations: None planned.*
- 2. Personal Computing: Software upgrade and improved peripheral equipment.*
- 3. Local Area Networking: None planned.*
- 4. Office Automation: None planned.*

**ENERGY, ENVIRONMENTAL, AND BIOLOGICAL RESEARCH PROGRAM  
DIRECTION (COST CENTER 174)**

**Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Marian Harkins	All	2-4469	harkins@anlcmt.anl.gov
Denise Voss	All	2-6230	B27323 At ANLEES

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	3	4	4
Apple (II, Macintosh)	2	2	2
Compaq	1	1	1
AST (286, 386 SX clones)	1	3	3

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
NBI	1	0	0

**Software**

<i>Word Processing/Editing</i>		<i>Graphics</i>	
WordPerfect	(1)	Deltagraph 1.5c	N/A
Microsoft Word 4.0	(2)	MacDraft	N/A
Correct Grammar	N/A	SuperPaint 1.1MS	N/A
TeachText	(2)		
<i>Database</i>		<i>Communication/Terminal Emulation</i>	
Filemaker Pro	(2)	Reflection 4+	(1)
Filemaker II	(2)	NCSA Telnet	2.3 (2)
Paradox	(1)	Red Ryder 10.0	N/A
		Red Ryder 10.3	N/A
		Tops DA	(2)
<i>Project Management</i>		<i>Utilities</i>	
Microsoft Excel	(2)	Norton Utilities	(2)
InstaPlan	(1)		

## Software (continued)\*

## Other

Apple File Exchange	Auto UnStuffIt Installer 1.5	BINHEX 4.0 (2)
DCA Conversion 1.5	Dialog Editor (2)	Disinfectant 1.8 (2)
Disk First Aid (2)	DiskFit 2.0 (2)	D S Backup 4.2
Edit	Expressionist	Font & Sound Valet
Font Harmony	Font/DA Mover (2)	Font/DA Mover 3.8
Hard Disk Formatter 3.27.3	Hard Disk Formatter 3.27.4	HD Backup 1.6
Install Keypad (2)	Installer (2)	Interferon 3.1
Layout Plus (2)	MacLink Plus/PC	MacTREE Plus
MacWelcome 1.4	Microsoft Excel Setup	Oasis 2.0
Offline 2.0	PackIt	PrintDEX 1.4e
PrintMonitor (2)	Profiler	QM Forms
RamDisk	Sound Mover 1.3	Sound>snd 1.2e
Speed Disk (2)	Start Tops	StuffIt 1.5.1
Total Recall 1.2.3 (2)	tn3270	UnStuffIt 1.5.1
Virus Rx		

\* Unless otherwise noted, copies of individual packages was unavailable.

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. *Scientific Work Stations: None planned.*
2. *Personal Computing: May upgrade/replace 286 machine. May acquire portable Macintosh or clone.*
3. *Local Area Networking: None planned.*
4. *Office Automation: Labelwriter.*

**ENGINEERING PHYSICS (COST CENTERS 115, 117, AND 211)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Roland Armani	All	2-4855	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	42	53	55
Apple (II, Macintosh)	15	34	36
Compaq	7	17	18
Sun	4	11	13
Club American	2	1	1
AST Research	2	2	2
MicroStar	9	5	5
Radio Shack	4	2	2
Others	5	21	23
Gateway	0	39	41

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
Exxon/Vydec	2	0	0
NBI	2	1	1

**Software***Word Processing/Editing*

MacWrite	(14)
Word	(2)
WordPerfect	(15)
WordStar	(2)
PC Write	(1)

*Graphics*

MacDraw II	(10)
MacPaint	(10)
Freelance	(3)
SuperImage	(4)
Harvard Graphics	(2)
Graphwriter	(1)

*Database*

DBase III Plus	(3)
DBase IV	(11)

*Spreadsheet*

Multiplan	(1)
Lotus 1-2-3	(3)

*Integrated Packages*

Excel	(1)
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*Communication/Terminal Emulation*

Kermit	(10)
XTalk	(3)

**Software (continued)**

<i>Languages/Compilers</i>		<i>Utility</i>	
Fortran	(3)	Norton Utilities	(3)
C	(3)	Mace	(1)
Turbo Pascal	(2)	Norton Commander	(2)
Basic	(30)	X-Tree	(1)
Assembly	(2)		
<i>CAE/CAD</i>			
AutoCAD	(1)		

**Network Connections**

	<i>Existing</i> <i>FY1991</i>	<i>Estimated Total</i> <i>FY1992</i>
Lab-wide Ethernet		
TCP/IP	44	53
Local 3Com	6	6

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations:** Add CAD stations as needed and continue upgrade of older equipment.
- 2. Personal Computing:** Maintain a high level of computing competency in engineering personal computing through improvements in software and computer capabilities.
- 3. Local Area Networking:** Upgrade the Division servers to accommodate more users and implement the use of networking between scientific managers and Division administration.
- 4. Office Automation:** None planned.

**ENGINEERING RESEARCH (COST CENTERS 171 AND 271)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Ronald Scharping	All	2-4490	B11898 @ANLVM

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	6	11	11

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
NBI ICU	1	1	0
NBI Workstations	6	6	0

**Software**

<i>Word Processing/Editing</i>		<i>Graphics</i>	
WordStar	(1)	Freelance	(1)
WordPerfect	(6)		
<i>Database</i>		<i>Desktop Publishing</i>	
DBase III Plus	(1)	Ventura	(1)
DBase IV	(1)		
<i>Spreadsheet</i>			
Lotus 1-2-3	(1)		
Quattro Pro	(1)		

**Network Connections**

	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Local 3Com	0	2

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. *Scientific Work Stations: None planned.*
2. *Personal Computing: None planned.*
3. *Local Area Networking: Establish LAN within and between administrative offices. Connect LAN to existing building Ethernet cable and node.*
4. *Office Automation: The network in item 3 will support the goal of connectivity between office personnel.*

**ENVIRONMENT, SAFETY, AND HEALTH/QUALITY ASSURANCE  
OVERSIGHT (COST CENTER 333)**

**Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Dan Miller	All	2-5775	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	1	5	5
Gateway 486-33	0	5	5
Gateway 485-25	0	3	3
Gateway 386-33	0	3	3
Gateway 386-25	0	7	7
Apple IIci	0	1	1

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
NBI	2	0	0

Software		
<i>Word Processing/Editing</i>		
WordPerfect	(18)	
<i>Communication/Terminal Emulation</i>		
Lan/PC	15 users	
Lan/MAC	15 users	
Procomm Plus	(3)	
<i>Spreadsheet</i>		
Lotus 1-2-3	(4)	
Excel	(5)	
<i>Database</i>		
dBasc IV	9 users	
Foxpro 2.0 Lan	250 users	
SQLbase	5 users	
Network SQL	250 users	
Emerald Bay	2 users	
<i>Graphics</i>		
Powerpoint	(4)	
Harvard	(2)	
Corel Draw	(1)	
<i>Utility</i>		
SQLWindows	5 users	
dAnalyst	(1)	
Codebase ++	(1)	
Phar Lap 386	(1)	
Borland C++	(1)	
Netware C 386	(1)	
Perform Pro	(2)	
Vulcan	(1)	
Fox Distribution	(1)	

Network Connections		
	<i>Existing</i> <i>FY1991</i>	<i>Estimated Total</i> <i>FY1992</i>
Novell	250	250
DaVinci	100	100
Netware Access	15	15

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations: None planned.*
- 2. Personal Computing: None planned.*
- 3. Local Area Networking: None planned.*
- 4. Office Automation: None planned.*

**ENVIRONMENT, SAFETY, AND HEALTH DIVISION-DIVISION OFFICE  
(COST CENTER 235)**

<b>Primary Contacts</b>			
<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Dolores Ray	All	2-5640	N/A

<b>Personal Computers and Workstations</b>			
<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	2	5	5
Apple/MacIntosh	0	3	3

<b>Software</b>			
<i>Word Processing/Editing</i>		<i>Spreadsheet</i>	
Word	(3)	Multiplan	(2)
MultiMate	(1)	Excel	(1)
WordPerfect	(4)	Lotus 1-2-3	(2)
Professional Write	(3)		
<i>Database</i>			
DBase III Plus	(1)		
MacProject I	(1)		
Cameo	(1)		
RIBASE for DOS	(1)		

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations:** *None planned.*
- 2. Personal Computing:** *None planned.*
- 3. Local Area Networking:** *All PCs will be added to the ESH 3COM Local area network.*
- 4. Office Automation:** *None planned.*

**ENVIRONMENT, SAFETY, AND HEALTH DIVISION- DOSIMETRY AND ANALYTICAL SERVICES (EXTERNAL DOSIMETRY) (COST CENTER 235)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Dolores Ray	All	2-5640	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	2	6	6

**Software**

<i>Word Processing/Editing</i>	<i>Database</i>
Professional Write (7)	DBase III Plus (7)

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations: None planned.*
- 2. Personal Computing: None planned.*
- 3. Local Area Networking: All workstations are to be added to the ESH 3COM local area network.*
- 4. Office Automation: None planned.*

**ENVIRONMENT, SAFETY, AND HEALTH DIVISION- DOSIMETRY AND ANALYTICAL SERVICES (INTERNAL DOSIMETRY) (COST CENTER 235)**

**Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Dolores Ray	All	2-5640	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	4	10	10

**Software**

<i>Word Processing/Editing</i>	<i>Database</i>
KEDIT (1)	DBase III Plus (3)
WordPerfect (9)	DBase IV (4)
<i>Spreadsheet</i>	<i>Languages/Compilers</i>
Lotus 1-2-3 (1)	QuickBasic (1)
<i>Communication/Terminal Emulation</i>	<i>Other</i>
Kermit (3)	Systat (1)
	Adcam/MCA (1)
	Cindy (1)
	PCA (1)
	REMedy (1)

**Network Connections**

	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Lab-wide Ethernet		
DECnet	2	2
Local 3Com	2	2

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations:** *None planned.*
- 2. Personal Computing:** *None planned.*
- 3. Local Area Networking:** *All workstations are to be added to the ESH 3COM local area network.*
- 4. Office Automation:** *None planned.*

**ENVIRONMENT, SAFETY, AND HEALTH DIVISION-ENVIRONMENTAL PROTECTION (COST CENTER 235)**

**Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Dolores Ray	All	2-5640	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	10	13	13

**Software**

<i>Word Processing/Editing</i>		<i>Database</i>	
KEDIT	(1)	DBase III Plus	(16)
WordPerfect	(13)	DBase IV	(10)

<i>Graphics</i>		<i>Communication/Terminal Emulation</i>	
Grapher	(1)	Kermit	(4)
Surfer	(1)		

<i>Spreadsheet</i>	
Lotus 1-2-3	(13)

**Network Connections**

	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Local 3Com	13	13

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. *Scientific Work Stations: None planned.*
2. *Personal Computing: None planned.*
3. *Local Area Networking: None planned.*
4. *Office Automation: None planned.*

**ENVIRONMENT, SAFETY, AND HEALTH DIVISION-HEALTH PHYSICS  
(COST CENTER 235)**

**Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Dolores Ray	All	2-5640	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	0	7	7
Portables/Lap Tops	0	6	6

**Software**

<i>Word Processing/Editing</i>		<i>Database</i>	
PFS Write	(6)	DBase III Plus	(4)
WordPerfect	(2)		
<i>Communication/Terminal Emulation</i>			
Kermit	(1)		

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations: None planned.*
- 2. Personal Computing: None planned.*
- 3. Local Area Networking: None planned.*
- 4. Office Automation: None planned.*

**ENVIRONMENT, SAFETY, AND HEALTH DIVISION-INDUSTRIAL  
HYGIENE (COST CENTER 235)**

<b>Primary Contacts</b>			
<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Dolores Ray	All	2-5640	N/A

<b>Personal Computers and Workstations</b>			
<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	4	4	4
Hewlett Packard	1	1	1

<b>Software</b>			
<i>Word Processing/Editing</i>		<i>Databases</i>	
WordPerfect (5)		DBase III Plus (5)	
Zenword (1)		Cameo (1)	
		Gloves (1)	
		CCInfo (1)	
		Clothing (1)	
<i>Spreadsheet</i>		<i>Languages/Compilers</i>	
Lotus 1-2-3 (1)		Basic (5)	
<i>Communication/Terminal Emulation</i>		<i>Utility</i>	
Kermit (2)		PC Tools (5)	
XTALK (2)		Printshop (1)	
SIMPC (2)		Enercharts (1)	
		FastBack (3)	
		Metsoft (1)	
		E (1)	
		Software Bridge (1)	
<i>CAE/CAD</i>		<i>Other</i>	
CADD II (1)		Portacount (1)	
FormTool (2)			

<b>Network Connections</b>		
	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Local 3Com	5	5

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations:** *None planned.*
- 2. Personal Computing:** *None planned.*
- 3. Local Area Networking:** *None planned.*
- 4. Office Automation:** *None planned.*

**ENVIRONMENT, SAFETY, AND HEALTH DIVISION-SAFETY  
ENGINEERING SECTION (COST CENTER 234)**

<b>Primary Contacts</b>			
<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Dolores Ray	All	2-5640	N/A

<b>Personal Computers and Workstations</b>			
<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	3	2	2
Gateway	0	1	1

<b>Software</b>			
<i>Word Processing/Editing</i>		<i>Database</i>	
WordPerfect	(3)	DBase III Plus	(1)
<i>Graphics</i>		<i>Utility</i>	
Harvard Graphics	(1)	PC Tools	(1)
<i>Spreadsheet</i>		<i>Communication/Terminal Emulation</i>	
Excel	(1)	PC Talk	(1)

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations:** *None planned.*
- 2. Personal Computing:** *None planned.*
- 3. Local Area Networking:** *All workstations are to be added to ESH 3COM local area network.*
- 4. Office Automation:** *None planned.*

**ENVIRONMENT, SAFETY, AND HEALTH DIVISION-TRAINING AND  
QUALITY ASSURANCE (COST CENTER 235)**

<b>Primary Contacts</b>			
<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Dolores Ray	All	2-5640	N/A

<b>Personal Computers and Workstations</b>			
<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	0	4	4

<b>Software</b>			
<i>Word Processing/Editing</i>		<i>Graphics</i>	
WordPerfect (3) Professional Write (1)		Harvard Graphics (1) Energraphics (2)	

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. *Scientific Work Stations:* None planned.
2. *Personal Computing:* None planned.
3. *Local Area Networking:* All workstations are to be added to ESH 3COM local area network.
4. *Office Automation:* None planned.

**ENVIRONMENTAL ASSESSMENT AND INFORMATION SCIENCES  
DIVISION (COST CENTER 165)**

**Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Dee Seymour	IBM	2-8023	seymour @athens.eid.anl.gov
Lou Kvitek	Sun Workstations	2-3132	kvitek@athens.ees.anl.gov
Dick Eagan	Sun Networks	2-3435	eagan@athens.ees.anl.gov
James Renz	PC and Mac Networks	2-4650	renz @ athens.eid.anl.gov

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	215	215	220
Apple (II, Macintosh)	93	100	110
Compaq	31	50	60
Sun	47	57	70
Zenith	28	28	28
AST Research	7	7	7
Texas Instruments	1	0	0
Toshiba	12	15	20
Epson	2	2	2
PC Designs	5	5	5
Compu Add	3	3	3
NeXT	3	5	7
NEC	6	10	15
Visual Tech	18	18	18
Gateway 2000	0	50	75

Software			
<i>Word Processing/Editing</i>		<i>Graphics</i>	
MacWrite	(4)	MacDraw II	(9)
Word	(75)	MacPaint	(1)
KEDIT	(3)	Gem Draw	(7)
Word Perfect	(250)	Harvard Graphics	(25)
Word Star	(2)	Kaleidagraph	(6)
Norton	(16)	Graphic	(3)
		SuperImage	(5)
		Cricket Graph	(20)
<i>Database</i>		<i>Desktop Publishing</i>	
DBase	(22)	PageMaker	(6)
Q & A	(9)	Legend	(1)
Paradox	(20)		
<i>Project Management</i>		<i>Integrated Packages</i>	
MacProject II	(2)	Excel	(65)
Timeline	(11)	Lotus 1-2-3	(50)
<i>Languages/Compilers</i>		<i>Communication/Terminal Emulation</i>	
MS Fortran	(17)	VTerm	(7)
Lahey Fortran	(3)	Procomm	(50)
Turbo Pascal	(5)	VersaTerm	(9)
Turbo C	(10)	Red Ryder	(29)
MS C	(10)	Relay Gold	(9)
		Kermit	(50)
		SmarTerm	(9)
<i>Utility</i>		<i>CAE/CAD</i>	
Norton	(75)	AutoCAD	(3)
MS Windows	(100)	MacDraft	(14)
		VersaCAD	(1)

Network Connections		
	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Lab-wide Ethernet		
TCP/IP	300	375
DECnet	3	3
Both	3	3
Lab-wide AppleTalk	120	144
Local 3Com	150	0
Novell	0	200

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations: Developing X-Windows based utilities and visualization applications.*
- 2. Personal Computing: Providing Division-wide electronic mail. Integrating all PCs into local area networks, including remote offices.*
- 3. Local Area Networking: Converting all local area networks to Novell.*
- 4. Office Automation: None planned.*

**ENVIRONMENTAL RESEARCH DIVISION (COST CENTER 149)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Terry Pawlisz	All	2-4487	terry_pawlisz@mctgate.mct.anl.gov

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	11	10	12
Apple (II, Macintosh)	6	65	72
Zenith	6	3	3
ComputAdd	0	2	2
Gateway	0	1	1
Sun	0	1	1

**Word Processors (Portable/Lap Tops)**

<i>Manufacturer</i>	<i>Existing FY 990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Zenith		1	1
Dauphin (386)		1	1
Toshiba		2	2
MacIntosh		1	1
Cambridge		1	1

Software					
<i>Word Processing/Editing</i>			<i>Graphics</i>		
MacWrite	(1)		MacDraw II	(10)	
Microsoft Word	(60)		MacDraft	(2)	
WordPerfect	(5)		Delta Graph	(1)	
Write Now	(1)		SuperPaint	(2)	
			Kaleidagraph	(5)	
<i>Database</i>			<i>Spreadsheet</i>		
DBase III+	(2)		Lotus 1-2-3	(2)	
Filemaker (II, Pro)	(7)		Microsoft Excel	(30)	
DBase IV	(2)				
Genifer	(1)		<i>Geographic Information Systems</i>		
dBXL	(3)		GRASS	(1)	
			ARC-INFO	(1)	
<i>Utility</i>			<i>Languages/Compilers</i>		
Systat	(1)		Fortran	(3)	
Norton Utilities	(3)		MacFORTRAN	(1)	
Symant c Utilities	(1)		Quicksilver	(1)	
			A/UX	(1)	
			Basic	(1)	
<i>Communication/Terminal Emulation</i>			<i>CAD</i>		
Ver. aTerm (reg, pro)	(19)		AutoCAD 386	(1)	
Red Ryder	(4)				
NCSA Telnet (site-wide license)					
<i>Presentation Packages</i>			<i>Other</i>		
Power Point	(11)		MORE II	(3)	
			Calendar Maker	(5)	
			Smart Forms	(2)	
			Adobe Type Manager	(1)	
			The Big Thesaurus	(1)	
			Tennelec	(1)	
			Plink 86	(1)	
			Mac Link Plus Translators	(1)	
			Smart Labels	(1)	
			TOPS	(7)	
			DiskFit	(3)	
			Math Type	(4)	
			End Note +	(1)	
			Level 5	(1)	
			Word Exchange	(1)	
			Laplink	(1)	
			Micro Planner	(1)	
			SUM II	(8)	
			Fast Forms	(1)	
			Expressionist	(1)	
			Image Grabber	(1)	
			Ortec	(2)	
			4th Dimension	(1)	
			Camera	(1)	
			PC Partner	(1)	

<b>Network Connections</b>		
	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Lab-wide Ethernet		
TCP/IP	3	3
DECnet	7	9

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local networking, and (4) office automation:*

- 1. Scientific Work Stations: Developing Geographic Information Systems using a SUN workstation.*
- 2. Personal Computing: Develop experience in creating compatibility with several machine types (i.e. IBM, MacIntosh, SUN).*
- 3. Local Area Networking: Install AlisaShare software on the VAX to improve communication and peripheral sharing with divisional Appletalk network. Upgrade QuickMail E-Mail software to version 2.5 for compatibility with MacIntosh System 7.*
- 4. Office Automation: Develop experience with document conversion utilities such as MacLink Plus Translators.*

**FACILITIES PLANNING/ENGINEERING (COST CENTER 512)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Vytenis Milunas	All	2-7336	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	20	19	19
Compaq	5	3	3
Epson	0	6	20
AT&T	0	1	0
Mitac	0	1	0
SSD-EL	0	5	10
Hewlett Packard Vectras	0	0	2

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
NBI	13	5	0

\* NBI workstations and 8 NBI connections to IBM Personal Computers

**Software**

<i>Word Processing/Editing</i>		<i>Graphics</i>	
Multimate	(1)	Harvard Graphics	(1)
Word	(24)	Perform	(1)
VEDIT	(1)	Forwork	(1)
WordStar	(1)	Draw Perfect	(1)
WordPerfect	(8)		
<i>Database</i>		<i>Spreadsheet</i>	
DBase III Plus	(3)	Multiplan	(2)
DBaseIV	(7)	Lotus 1-2-3	(48)
RBase	(3)		

**Software (continued)**

<i>Project Management</i>		<i>Languages/Compilers</i>	
Primavera	(1)	Fortran	(1)
Propath	(1)	<i>Utility</i>	
Primetime	(1)	XTREE	(1)
Micosoft Project	(1)	QDOS	(4)
Parade	(1)	Norton Utilities	(13)
Cambridge Analyst	(1)	Norton Commander	(10)
Advanced Pro-Path 6	(2)	FFM	(7)
<i>CAE/CAD</i>		<i>Other</i>	
AutoCAD AEC Arch	(6)	Emcee	(2)
DesignCAD	(1)	386 Max Professional	(10)
AutoCAD AEC Mech	(6)	OSHA Fast Regs.	(1)
AutoSketch	(1)	Micro-Doe 2	(1)
MathCAD	(1)	Procomm	(4)
AutoCAD 386	(7)		
AutoCAD	(1)		
ASG Core	(6)		
ASG Architectural	(6)		
ASG Mechanical	(6)		
ASG Plumbing	(6)		
ASG Structural	(1)		
ASG 2D Piping	(1)		
ASG 3D Piping	(1)		
Auto Manager	(7)		
Autoplot II	(6)		

**Network Connections**

	<i>Existing</i> <i>FY1991</i>	<i>Estimated Total</i> <i>FY1992</i>
Lab-wide Ethernet		
TCP/IP		
Local 3Com	None 20	1 60

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations:** *None planned.*
- 2. Personal Computing:** *Additional computers for new and existing staff. Replacement of old CGA monitors to VGA standard.*
- 3. Local Area Networking:** *Growth of PC network and implementation of facilities drawing management system.*
- 4. Office Automation:** *Switch from NBI word processing to PC based network.*

**FIRE DEPARTMENT (COST CENTER 236)**

<b>Primary Contacts</b>			
<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Cynthia Hijuelos	Workstations	2-6136	N/A

<b>Personal Computers and Workstations</b>			
<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	2	3	3
Apple (II, Macintosh)	1	1	1

<b>Software</b>			
<i>Word Processing/Editing</i>		<i>Graphics</i>	
MultiMate	(1)	Microsoft Chart	(1)
WordPerfect	(1)		
<i>Database</i>		<i>CAE/CAD</i>	
DBase III	(1)	ACAD	(1)
DBase IV	(1)		
CAMEO	(1)		
FireProof (FMS)			
Tracking System	(1)		

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations:** *None planned.*
- 2. Personal Computing:** *Initiate use of CAMEO System designed by the National Oceanic and Atmospheric Adm. and the U.S. Environmental Protection Agency to assist in enhancing our preexisting prefire planning program.*
- 3. Local Area Networking:** *Networking with Emergency Management Officer's Office on CAMEO System.*
- 4. Office Automation:** *None planned.*

**HEALTH DEPARTMENT (COST CENTER 148)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Ken Vasallo	All	2-2804	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	10	18	18

**Software***Word Processing/Editing*

Multimate	(3)
WordStar	(4)

*Spreadsheets*

SuperCalc	(1)
Lotus 1-2-3	(1)

*Database*

DBase IV	(2)
Informix	(1)
Clipper	(1)

*Utility*

SideKick	(2)
SideKick Plus	(1)
Norton 4	(3)

*Communication/Terminal Emulation*

Kermit	(2)
IBM PC3270	(7)

*Other*

Star Exchange	(1)
Free Link Micro	(8)
Stedman's Med.	(1)
IBM DOS	(8)
DeFlow	(1)

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations:** *None planned.*
- 2. Personal Computing:** *Add new PS/2 Workstations to Network.*
- 3. Local Area Networking:** *Internetes bridge between HR and MD.*
- 4. Office Automation:** *Barcode, check in process, direct entry of physical results.*

**HIGH ENERGY PHYSICS (COST CENTER 137)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Jim Schlereith	All	2-6281	JLSHEP@ANLHEP

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	14	N/A	N/A
Apple (II, Macintosh)	20	N/A	N/A
Compaq	3	N/A	N/A
VAXstation 2000	0	0	0
VAXstation 3000	3	3	3
Hyundai	2	N/A	N/A
DECstation	3	0	1

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
Exxon/Vydec	1	N/A	N/A
NBI	2	N/A	N/A
VAX	12	0	0

Software*			
<i>Graphics</i>		<i>Spreadsheet</i>	
MacDraw II	(8)	Multiplan	(1)
MacPaint	(6)	Lotus 1-2-3	(1)
<i>Project Management</i>		<i>Integrated Packages</i>	
MacProject II	(1)	Excel	(2)
<i>Languages/Compilers</i>		<i>Communication/Terminal Emulation</i>	
GW Basic	(1)	VTerm	(4)
Professional Fortran	(2)	Kermit	(6)
VAX Fortran	(3)		
VAX C	(3)		
<i>Utility</i>		<i>CAE/CAD</i>	
DOS	(3)	AutoCAD	(1)
		Altera	(1)
		ORCAD	(3)
		Tango	(1)

\* The numbers of software packages are estimates.

#### Network Connections

	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Lab-wide Ethernet	22	22
TCP/IP	9	9
DECnet	10	10
Both	3	3

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. *Scientific Work Stations:* *None planned.*
2. *Personal Computing:* *None planned.*
3. *Local Area Networking:* *None planned*
4. *Office Automation:* *None planned.*

**HUMAN RESOURCES (COST CENTER 410)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
George Lales	All	2-2987	B35710 AT ANLVM

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	32	45	47
MacIntosh	0	1	1

**Software**

<i>Word Processing/Editing</i>	<i>Database</i>
Word (15)	DBase III Plus (6)
KEDIT (1)	
Word for Windows (30)	
<i>Integrated Packages</i>	<i>Communication/Terminal Emulation</i>
Windows 3.0 (30)	Kermit (1)
	IBM PC3270 (15)
	Telex (1)
<i>Spreadsheet</i>	<i>Other</i>
Lotus 1-2-3 (3)	Org. Plus (3)
Excel (20)	Cobra (1)
<i>Graphics</i>	
Harvard Graphics (1)	

**Network Connections**

	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Local 3Com	45	47
Epson Server	45	47

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations:** *None planned.*
- 2. Personal Computing:** *Personal productivity tools. Graphics presentation package.*
- 3. Local Area Networking:** *Additional server; new operating system (Netwarc or LAN Man).*
- 4. Office Automation:** *Electronic forms processing. Electronic mail.*

**INSPECTIONS (COST CENTER 336)**

<b>Primary Contacts</b>			
<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Thomas Busse	Personal Computers	2-5713	N/A

<b>Personal Computers and Workstations</b>			
<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	3	3	3

<b>Software</b>			
<i>Word Processing/Editing</i>	<i>Database</i>	<i>Word</i>	<i>DBase IV</i>
<i>Word</i>	<i>DBase IV</i>	(3)	(3)
<i>Spreadsheet</i>			
<i>Multiplan</i>		(3)	

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. *Scientific Work Stations:* *None planned.*
2. *Personal Computing:* *General office/lab support with word processing, database, and spreadsheet programs continuing.*
3. *Local Area Networking:* *None planned.*
4. *Office Automation:* *None planned.*

**INTENSE PULSED NEUTRON SOURCE PROGRAM (COST CENTER 136)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Ira Bresof	All	2-8705	BRESOF AT ANLPNS

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	7	11	13
Apple (II, Macintosh)	7	19	22
Compaq	6	7	8

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM	0	0	0

**Software**

<i>Word Processing/Editing</i>		<i>Graphics</i>	
MacWrite	(3)	MacDraw II	(5)
Word	(10)	MacPaint	(2)
Text Editor	(1)	Mass11 Draw	(1)
Mass11	(4)	KaleidaGraph	(7)
WordPerfect	(2)	DeltaGraph	(1)
<i>Database</i>		<i>Spreadsheet</i>	
DBase III Plus	(1)	Multiplan	(3)
Mass11-Manage	(1)	Quattro	(7)
DBaseII Mac	(1)		
<i>Integrated Packages</i>		<i>Communication/Terminal Emulation</i>	
Excel	(6)	Kermit	(8)
		PCSA	(9)
<i>Utility</i>		<i>CAE/CAD</i>	
Misc. Macintosh	(59)	Claris CAD	(1)

<b>Network Connections</b>		
	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Lab-wide Ethernet DECnet	1	1
Lab-wide AppleTalk	2	2

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations: We expect to acquire two more scientific workstations for data acquisition/analysis in FY1992. We will continue to develop x-windows applications and evaluate UNIX RISC workstations.*
- 2. Personal Computing: We expect to acquire five more personal computers in FY1992. We will experiment with x-windows applications on PCs.*
- 3. Local Area Networking: We expect to add about three nodes to our LAN in FY1992.*
- 4. Office Automation: We expect to select a new word processing software package in FY1992.*

**LODGING FACILITIES (COST CENTER 222)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Pat Carson	All	2-2580	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Mitac (PC)	2	2	3

**Software**

<i>Word Processing/Editing</i> Word	(1)	<i>Database</i> DBase IV	(1)
<i>Spreadsheet</i> Multiplan	(1)		
Lotus 1-2-3	(1)		

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations: None planned.*
- 2. Personal Computing: Purchase hardware for an additional workstation.*
- 3. Local Area Networking: None planned.*
- 4. Office Automation: Procurement of a 3 workstation Property Management System from the market, with the capability of interfacing with the existing Astra Innroads Call accounting system.*

**MATERIALS SCIENCE DIVISION (COST CENTER 105)**

<b>Primary Contacts</b>			
<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Vernon Pahnke	All	2-4937	nick.pahnke@msdgate223.msd.anl.gov

<b>Personal Computers and Workstations</b>			
<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	19	19	19
Apple (II, Macintosh)	116	125	125
Compaq	5	8	8
Zenith	4	0	0
NEC	2	0	0
SUN	0	3	3
Silicon Graphics	0	2	2
VAX	0	6	6
Next	0	5	5

<b>Word Processors</b>			
<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
IBM	3	N/A	N/A
NBI	3	N/A	N/A
Apple	10	N/A	N/A

<b>Software</b>			
<i>Word Processing/Editing</i>		<i>Graphics</i>	
MacWrite	(15)	MacDraw II	(27)
Word	(80)	MacPaint	(20)
MacWrite II	(10)	Stateview	(5)
		MacDraw	(6)
		MacDraft	(5)
		CricketGraph	(5)
<i>Database</i>		<i>Integrated Packages</i>	
DBase III Plus	(1)	Excel	(27)
Filemaker II	(15)		

**Software (continued)**

<i>Security</i>		<i>Languages/Compilers</i>	
Nightwatch	(2)	LS Fortran	(7)
		MacFortran	(4)
		MPW Pascal	(2)
		LS Pascal	(5)
		LS C	(3)
<i>Communication/Terminal Emulation</i>		<i>Utility</i>	
VersaTerm Pro	(15)	Disk Express	(2)
VersaTerm	(3)	SUM	(1)
<i>Other</i>			
MiniCad	(1)	Mathematica	(5)
QuickMail	(90)	Dreams	(3)
Reflections	(1)	Dicer	(1)
Timbuktu	(47)	Math Type	(10)

**Network Connections**

	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Lab-wide Ethernet		N/A
TCP/IP		N/A
DECnet		N/A
Lab-wide AppleTalk	N/A	N/A
Local AppleTalk		

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. *Scientific Work Stations:* *None planned.*
2. *Personal Computing:* *None planned.*
3. *Local Area Networking:* *Rewiring portion of MSD 223 Appletalk.*
4. *Office Automation:* *None planned.*

**MATERIALS AND COMPONENTS TECHNOLOGY (COST CENTER 114)**

<b>Primary Contacts</b>			
<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Bill Shack	Macintosh	2-5137	wj_shack@mctgate.mct.anl.gov

<b>Personal Computers and Workstations</b>			
<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	45	35	37
Apple (II, Macintosh)	66	55	60
Compaq	2	2	2
Sun	3	7	9
Zenith	4	4	4
PC Limited	10	10	10
AST Research	1	1	1
Other	7	7	7

<b>Word Processors</b>			
<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
Exxon/Vydec	1	1	1
NBI	2	2	2

Software*		
<i>Word Processing/Editing</i>		
MacWrite	(25)	
Word	(50)	
		<i>Graphics</i>
		MacDraw II (10)
		MacDraw (25)
		MacPaint (25)
		CricketDraw (3)
		CricketGraph (15)
		KaleidaGraph (15)
<i>Database</i>		
DBase III Plus	(3)	<i>Spreadsheet</i>
Filemaker Pro	(10))	Lotus (3)
<i>Integrated Packages</i>		
Excel	(15)	<i>Security</i>
		SUM (3)
		Folder Lock (3)
		Disinfenctant (50)
<i>Languages/Compilers</i>		
Fortran	(4)	<i>Communication/Terminal Emulation</i>
Pascal	(4)	VTerm (15)
Basic	(30)	Kermit (15)
C	(5)	QuickMail (50)
		Telnet (30)
		Mail Sender (15)
<i>Utility</i>		
Diskfit	(20)	<i>CAE/CAD</i>
Super LaserSpool	(25)	MiniCad (2)
		Dreams (1)

\* The numbers of software packages are estimates.

Network Connections		
	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Lab-wide Ethernet		
TCP/IP	15 Nodes + 3 Gator Boxes	18 Nodes + 3 Gator Boxes
Lab-wide AppleTalk	60 Nodes	60 Nodes
(Fax Modem for E-mail Network)		

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. *Scientific Work Stations: Will add two more Sun Sparc 2 workstations.*
2. *Personal Computing: No major changes planned.*
3. *Local Area Networking: No major changes planned.*
4. *Office Automation: Will try to encourage staff to use E-MAIL/FAX rather than dedicated fax machines.*

**MATERIALS AND SERVICES DEPARTMENT (COST CENTER 315)**

<b>Primary Contacts</b>			
<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Bobby Mark	Inventory	2-2933	N/A

<b>Personal Computers and Workstations</b>			
<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	24	24	24
Gateway	0	4	5

<b>Software</b>			
<i>Word Processing/Editing</i>		<i>Graphics</i>	
Word	(8)	Chart	(2)
KEDIT	(1)		
Multimate	(6)		
<i>Database</i>		<i>Spreadsheet</i>	
DBase III Plus	(7)	Multiplan	(9)
DBase IV	(1)		
FoxBase 2.1	(1)		
<i>Integrated Packages</i>		<i>Communication/Terminal Emulation</i>	
Excel	(2)	Kermit	(2)
		Relay Gold	(12)
		Reflection	(7)
		Crosstalk	(1)
<i>Utility</i>		<i>Other</i>	
Norton Utilities	(1)	Hazmat Doc	(1)
		Sideways	(1)
<i>Desktop Publishing</i>		Regscan 49	(1)
Xerox Ventura 3.0	(1)	Report Writer	(1)
		Word Link	(1)
		Genifer	(1)
		Xerox Formbase	(1)
		Windows 3.0	(2)

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations:** *None planned.*
- 2. Personal Computing:** *Personal productivity tools utilized such as word processing, database, desktop publishing, and form and database generations.*
- 3. Local Area Networking:** *None planned.*
- 4. Office Automation:** *Bar coding.*

**MATHEMATICS AND COMPUTER SCIENCE (COST CENTER 145)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Gene Rackow	All	2-7126	Rackow@mcs.anl.gov

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC AT, XT, PS/2)	6	6	6
Apple (II, Macintosh)	1	1	1
Sun	58	58	70
Zenith	2	2	2
NeXT	20	20	20

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
NBI	0	0	0

**Software**

<i>Word Processing/Editing</i>		<i>Languages/Compilers</i>	
MacWrite	(1)	LS C	(1)
Publisher	(6)	GH Fortran	(1)
TeX	(6)	MSC	(2)
<i>Database</i>		<i>Graphics</i>	
DBase III Plus	(1)	MacDraw II	(1)
Eroff	(1)	MacPaint	(1)
<i>Spreadsheet</i>		<i>Communication/Terminal Emulation</i>	
Multiplan	(1)	VTerm	(6)

Network Connections		
	Existing FY1991	Estimated Total FY1992
Lab-wide Ethernet TCP/IP	all machines	all machines

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations:** *None planned.*
- 2. Personal Computing:** *None planned.*
- 3. Local Area Networking:** *None planned.*
- 4. Office Automation:** *None planned.*

**MEDIA SERVICES DEPARTMENT (COST CENTER 260)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Lcc Wagar	All	2-5603	B20429 AT ANLVM

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	14	20	2
Apple (Macintosh)	12	13	3

**Software***Word Processing/Editing*

WordPerfect	(1 Mac, 6 PC)
Word	(11 Mac, 7 PC)

*Spreadsheet*

Quattro Pro	(6 PC)
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*Presentation Visuals*

Persuasion	(4 Mac)
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*Database*

DBase III Plus	(11 PC)
FileMaker Pro	(1 Mac)

*Communication/Terminal Emulation*

Kermit	(N/A Mac, PC)
NCSA Telnet	(N/A Mac)

*Graphics*

MacDraw II	(3 Mac)
Canvas	(1 Mac)
Freehand	(1 Mac)
Claris CAD	(1 Mac)
DeltaGraph	(1 Mac)
KaleidaGraph	(1 Mac)
Illustrator	(3 Mac)

*Desktop Publishing*

PageMaker	(9 Mac)
QuarkXpress	(1 Mac)

*Utility*

MacLink	(1 Mac)
Norton Utilities	(1 PC)
DOS Mounter	(1 Mac)
Disinfectant	(N/A Mac)
XTreePro Gold	(7 PC)
VirusScan	(N/A PC)

<b>Network Connections</b>		
	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Lab-wide Ethernet		
TCP/IP Telnet	5	10
XNS (3Com)	15	20
LocalTalk (AppleShare, QuickMail, AlisaTalk)	12	15
Local AppleTalk	12	15

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations:** *None planned.*
- 2. Personal Computing:** *Acquire hardware and software to implement photo library reorganization project, including image scanning to optical disk.*
- 3. Local Area Networking:** *Acquisition of a router to isolate our 3Com Server from the Site-wide Ethernet and restrict it to our local Ethernet.*
- 4. Office Automation:** *Print to AppleTalk printers from PCs on local Ethernet.*

**MOTION PICTURE UNIT (COST CENTER 276)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Gail Farmer	IBM	2-7451	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	2	2	2
Amiga 2000	1	1	1
Macintosh	0	2	2

**Software***Word Processing*

WordPerfect 5.1 (2)  
 WordPerfect Mac (1)  
 Word (1)

*Database*

DBase III Plus (1)  
 Filemaker (1)

*Spreadsheet*

Lotus 1-2-3 (1)

*Other*

DigiView (1)  
 Provideo Plus (1)  
 VideoScape (1)  
 Sculpt/Animate3D (1)  
 Aegis Animator (1)  
 Labels Unlimited (1)

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations: None planned.*
- 2. Personal Computing: None planned.*
- 3. Local Area Networking: None planned.*
- 4. Office Automation: None planned.*

**NATIONAL ENERGY SOFTWARE CENTER (COST CENTER 246)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Cathy Eyberger	General	2-7575	B21675 AT ANLNESC
Frank Deggcs	Networking	2-7680	B28194 AT ANLNESC
Jan Carter	Inventory	2-7250	B27681 AT ANLNESC

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	3	3	3
Compaq	1	1	1

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
Wang	4	4	4

**Software***Word Processing/Editing*

KEDIT	(2)
WordPerfect	(1)

*Databases*

DBase IV	(2)
Paradox	(1)

*Spreadsheet*

Lotus 1-2-3	(1)
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*Languages/Compilers*

MS Fortran	(1)
Lahey Fortran	(1)
MS QuickBasic	(1)
Arity Prolog	(1)
Ryan MacFarland Fortran	(1)
MS C	(1)

*Graphics*

Harvard Graphics	(1)
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*Utility*

Sidekick Plus	(1)
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*Communication/Terminal Emulation*

Kermit	(2)
IBM PC3270	(1)
Connect	(1)
PC/VT	(1)

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. *Scientific Work Stations: None planned.*
2. *Personal Computing: None planned.*
3. *Local Area Networking: None planned.*
4. *Office Automation: None planned.*

**OFFICE OF THE CHIEF FINANCIAL OFFICER (COST CENTERS 400, 401, 402, AND 403)**
**Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Paul Vignola	All	2-7589	B38039 AT ANLVM

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	42	91	100
Zenith Portable	3	3	3

**Software**

<i>Word Processing/Editing</i>	<i>Graphics</i>
Multimate (37)	SuperImage (2)
MS-Word for Windows (25)	MS-Power Point (1)
<i>Database</i>	<i>Desktop Publishing</i>
DBase III Plus (5)	Byline (1)
DBase IV (4)	
Q+E (1)	
<i>Spreadsheet</i>	<i>Project Management</i>
SuperCalc (37)	SuperProject Expert (2)
Lotus 1-2-3 (3)	
Excel (25)	
Quattro 2.0 (2)	
<i>Integrated Packages</i>	<i>Languages/Compilers</i>
Symphony (1)	4GL, Jr. (5)
MS Works (1)	Metaview (15)
	MS Visual Basic (1)
<i>Communication/Terminal Emulation</i>	<i>Utility</i>
Kermit (2)	Norton Utilities (1)
IBM PC3270 (3)	Sidekick (2)
Maxcess by 3Com (1)	
<i>Other</i>	<i>Operating Systems/Environments</i>
RODEPC (6)	MS DOS (80)
Disc 1099PC (1)	MS Windows 3.0 (30)

Network Connections		
	<i>Existing FY1991</i>	<i>Total FY1992</i>
Local 3Com	70	80

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations:** *None planned.*
- 2. Personal Computing:** *We will migrate from SuperCalc5 and Multimate spreadsheet and word processing packages to Microsoft's Excel and Word for Windows.*
- 3. Local Area Networking:** *3Com has abandoned its local area network platform. Two candidates exist as a replacement network operating system: MS LANManager and Novell Netware. We will have to migrate to one of these in the next two years.*
- 4. Office Automation:** *None planned.*

**OFFICE OF THE DIRECTOR (COST CENTER 201)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Dennis Tussing	Internal Audit Office	2-3035	B35139 AT ANLVM
Pat Traub	Strategic Planning Office	2-4253	PKT AT ANLADM1
	Office of the Director		

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	10	7	7
Gateway 2000	0	6	6

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
NBI	8	0	0

**Software***Word Processing/Editing*

Multimate version 4	(5)
DBase IV	(3)
Word Perfect	(7)
Powerpoint for Windows	(3)
Grammatic IV	(3)

*Spreadsheet*

Multiplan	(1)
Lotus 1-2-3	(3)
Quattro	(1)

*Desktop Publishing*

Always	(1)
Excel	(4)

*Database*

DBase III Plus	(3)
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*Communication/Terminal Emulation*

Kermit	(2)
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*Languages/Compilers*

Basic	(4)
Windows 386	(1)

**Software (continued)***Other*

Flowchart II+	(1)
Sidekick	(1)
Norton Adv.	(1)

**Network Connections**

	<i>Existing</i> <i>FY1991</i>	<i>Estimated Total</i> <i>FY1992</i>
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Lab-wide Ethernet TCP/IP	0	0
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*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. *Scientific Work Stations: None planned.*
2. *Personal Computing: None planned.*
3. *Local Area Networking: 3Com or Novell*
4. *Office Automation: None planned.*

**OFFICE OF PUBLIC AFFAIRS (COST CENTER 275)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Marilyn Wittkofski	All	2-5579	WRM AT ANLADM1

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	1	1	1
Apple (II, Macintosh)	2	15	15
Vydec 1800	1	1	1

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
NBI	7	8	8

**Software**

<i>Word Processing/Editing</i>		<i>Graphics</i>	
Microsoft Word	(15)	MacDraw II	(10)
FileMaker	(6)	MacPaint	(10)
HyperCard	(10)		
MultiFinder	(10)		
<i>Desktop Publishing</i>		<i>Integrated Packages</i>	
PageMaker	(6)	Excel	(1)
<i>Communication/Terminal Emulation</i>			
Kermit	(6)		

**Network Connections**

	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Local AppleTalk	1	1

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations: None planned.*
- 2. Personal Computing: None planned.*
- 3. Local Area Networking: None planned.*
- 4. Office Automation: None planned.*

**PHYSICAL RESEARCH (COST CENTER 273)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Ernest VanBerkum	All	2-3750	B07412 AT ANLVM

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Apple (II, Macintosh)	3	3	4

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
NBI	1	0	0

**Software**

<i>Word Processing/Editing</i>		<i>Graphics</i>	
MacWrite	(1)	MacDraw II	(1)
Word	(2)	MacPaint	(1)
		SuperPaint	(1)
		MacDraft	(1)

<i>Desktop Publishing</i>	
More	(1)

**Network Connections**

	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Local AppleTalk	3	4

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. *Scientific Work Stations: None planned.*
2. *Personal Computing: Continue use of PCs for word processing, spreadsheets, graphics, and electronic mail.*
3. *Local Area Networking: None planned.*
4. *Office Automation: None planned.*

**PLANT FACILITIES AND SERVICES (COST CENTER 506)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Duane Bradley	All	2-7307	B15692A AT ANLVM

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	7	7	7
AT&T	2	2	2
Gateway 2000	0	2	2
American Mitac	1	1	1
Epson	1	1	1

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
NBI	4	5	5

**Software**

<i>Database</i>		<i>Spreadsheet</i>	
DBase IV	(3)	Multiplan	(1)
SuperCalc IV	(1)		
<i>Communication/Terminal Emulation</i>		<i>Word Processing</i>	
Procomm	(1)	WordPerfect	(1)
Kermit	(1)	NBI	(5)

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations: None planned.*
- 2. Personal Computing: May replace NBI equipment.*
- 3. Local Area Networking: None planned.*
- 4. Office Automation: None planned.*

**PROCUREMENT DEPARTMENT (COST CENTER 322)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Norman Goetz	All	2-7028	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM	31	39	39
Apple	0	1	1
Gateway	0	1	1

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
IBM	3	0	0
Lanier	0	0	0

**Software**

<i>Word Processing/Editing</i>		<i>Graphics</i>	
Word	(41)	SuperChart	(1)
		SuperImage	(1)
<i>Database</i>		<i>Spreadsheet</i>	
DBase III Plus	(3)	Multiplan	(1)
		Spreadsheet	(2)
<i>Communication/Terminal Emulation</i>		<i>Utility</i>	
Reflections	(11)	Windows	(2)
		Excel	(3)

<b>Network Connections</b>		
	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Local 3Com	1	1

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations:** *None planned.*
- 2. Personal Computing:** *Personal Productivity tools will be used, such as word processing, database, and 2nd spreadsheet to facilitate administrative and managerial functions.*
- 3. Local Area Networking:** *Plan to replace current network hardware due to continued failure and to meet the needs of current procurement databases being rewritten/updated. Currently, research is being done on future network operating system upgrade from 3Com 3+ Share.*
- 4. Office Automation:** *Current local area network houses office productivity application software (databases, word processors) allowing the sharing of peripherals such as hard drive and printers.*

**REACTOR ANALYSIS (COST CENTER 116)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Kim Lalumendrc	Inventory	2-7720	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	14	11	0
Apple (II, Macintosh)	1	1	0
Compaq	1	1	0
Microstar	3	3	0
Digital	1	1	0
Gateway	9	0	0

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
NBI	0	0	0

**Software**

*Word Processing/Editing*  
 WordPerfect (10)  
 MacWrite (2)

*Spreadsheet*  
 Lotus 1-2-3 (3)

*Project Management*  
 AEC Information Manager (1)

*Languages/Compilers*  
 Basic (4)  
 Fortran (3)  
 Pascal (2)

*Utility*  
 Symantec (2)

<b>Network Connections</b>		
	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Local AppleTalk TOPS	12 12	12 12

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations:** *None planned.*
- 2. Personal Computing:** *None planned.*
- 3. Local Area Networking:** *None planned.*
- 4. Office Automation:** *None planned.*

**REACTOR ENGINEERING (COST CENTER 112)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Jerry Gaston	Inventory	2-4563	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	23	21	23
Apple (II, Macintosh)	2	15	17
Compaq	4	9	9
Sun	3	3	3
AST Research	6	2	2
Kaypro	1	0	0
Leading Edge	9	6	6
Standard Brands	1	32	41
Hewlett Packard	2	1	1

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
NBI	10	0	0
Interpro	1	0	0

**Software**

*Word Processing/Editing*

Word	(5)
WordPerfect	(28)
WordStar	(2)

*Graphics*

Cricket Graph	(2)
Cricket Draw	(2)

*Database*

DBase III Plus	(8)
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*Spreadsheet*

Lotus 1-2-3	(10)
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*Project Management*

MicroPlanner	(1)
Timeline	(2)

*Languages/Compilers*

Pascal	(8)
Fortran	(4)
Basic	(6)

<b>Software (continued)</b>		
<i>Utility</i>		<i>CAE/CAD</i>
Norton Utilities	(8)	MathCad
CAD	(1)	

<b>Network Connections</b>		
	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Lab-wide Ethernet		
TCP/IP	42	50
DECnet	1	1

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. *Scientific Work Stations: None planned.*
2. *Personal Computing: None planned.*
3. *Local Area Networking: None planned.*
4. *Office Automation: None planned.*

**SECRETARIAL AND CLERICAL SERVICES (COST CENTER 416)**

See Human Resources (Cost Center 410). Secretarial and Clerical Services and Human Resources share the same word processors, personal computers, workstations, and associated software; however, for budget purposes the cost centers are listed individually.

**SECURITY (COST CENTER 232)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Rich Ramos	Inventory	2-5739	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM	5	12	13
AT&T	2	2	2
Mitac	6	6	6
Gateway	0	2	2
Kinspao	0	1	1

**Software***Word Processing/Editing*

Multimatic Advantage II	(11)
WordPerfect	(14)

*Database*

DBase IV	(6)
DBase III Plus	(1)
FoxPro	(1)

*Spreadsheet*

Multiplan	(1)
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*Graphics*

Harvard Graphics	(3)
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*Communication*

Relay Gold	(1)
ProCom	(1)

*Other*

Printbar	(1)
3+ Share	(1)

**Network Connections**

<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
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<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
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Local 3Com	1
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*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. *Scientific Work Stations: None planned.*
2. *Personal Computing: None planned.*
3. *Local Area Networking: Continued use of existing to network Safeguards and Security.*
4. *Office Automation: None planned.*

**SPECIAL MATERIALS (COST CENTER 150)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Shirley Stogsdill	Workstations	2-6774	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	2	1	1
PC Limited	1	1	1
Dell	3	4	4
AT&T	1	1	1
AMQ	1	0	0
Transdata	1	0	0

**Software**

*Word Processing/Editing*

Multimate	(1)
WordPerfect	(3)
Multimate LAN	(1)

*Database*

DBase III Plus	(1)
DBase IV	(1)

*Utility*

Harvard Graphics	(1)
Excel	(4)

*Other*

MS DOS	(6)
Star Exchange	(1)
PC DOS	(1)

**Network Connections**

	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Local 3Com	1	1

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. *Scientific Work Stations: None planned.*
2. *Personal Computing: None planned.*
3. *Local Area Networking: None planned.*
4. *Office Automation: None planned.*

**SPECIAL PROJECTS OFFICE (COST CENTER 197)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Debra Petersen	All	2-7561	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	24	24	24
Compaq	28	38	41
Zenith	2	1	1
Delta Data	2	2	2
Compaq LTE 286	0	1	1
Apple (Macintosh)	0	3	3

**Software**

<i>Word Processing/Editing</i>	<i>Graphics</i>
WordPerfect (9)	GemDraw (16)
WordPerfect LAN (4)	Other Gem (16)
WordPerfect Russian (2)	DrawPerfect (2)
Bilingual Solutions (3)	
Microsoft Word (1)	
Grammatik IV (4)	
<i>Database</i>	<i>Desktop Publishing</i>
DBase III Plus (2)	Ventura (2)
DBase IV (12)	Pagemaker (1)
DataPerfect (2)	
Clipper (3)	
PC Album (1)	
<i>Spreadsheet</i>	<i>Project Management</i>
Lotus 1-2-3 (5)	SuperProject (4)
Symphony (2)	
<i>Integrated Packages</i>	<i>Communication/Terminal Emulation</i>
Excel (6)	Kermit (4)
Framework (1)	Bitcom (7)
	Carbon Copy (2)

**Software (continued)**

<i>Utility</i>			<i>CAE/CAD</i>		
	Macc	(4)		AutoCAD	(2)
				EasyCAD	(4)
<i>Other</i>					
	Think C	(1)			
	WP Library	(4)			
	Harvard Project	(1)			

**Network Connections**

	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Lab-wide Ethernet		
TCP/IP		
Local 3Com	3	4

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. *Scientific Work Stations: None planned.*
2. *Personal Computing: None planned.*
3. *Local Area Networking: None planned.*
4. *Office Automation: Plan to automate travel, training schedules, procurements, and other accounting functions using PCs.*

**SUPPORT SERVICES DIVISION (COST CENTER 216)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Virginia Biondi	All	2-6182	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	7	8	8
Compaq	1	1	1
MacIntosh IICX	0	1	1
Gateway 2000 486/33	0	1	1

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
NBI	1	1	1

**Software**

*Word Processing/Editing*

Word	(8)
WordPerfect	(10)
Mac Word	(1)

*Graphics*

Gem Draw	(1)
SuperChart	(1)
SuperImage	(1)
Microsoft Chart	(2)

*Database*

DBase III Plus	(6)
DBase IV	(1)
Foxbase 2.0	(1)

*Spreadsheet*

Multiplan	(3)
Quattro	(3)
Lotus 1-2-3	(1)
Mac Excel	(1)

*Project Management*

TimeLine	(1)
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*Languages/Compilers*

Clipper	(1)
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**Software (continued)**

<i>Communication/Terminal Emulation</i>		<i>Utility</i>
Kermit	(8)	Norton Utilities (1)
Relay Gold	(1)	PC Tools (1)
Reflections	(2)	
<i>Other</i>		
ReportWriter	(1)	
Genifer	(1)	
Company Ladder	(1)	
dAnalyst Gold	(1)	

**Network Connections**

	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Local 3Com	1	0
Novell Netware V.3.11	1	1

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. **Scientific Work Stations:** None planned.
2. **Personal Computing:** Continued PC connection to mainframe via remote dial-in (modems); personal productivity tools utilized such as wordprocessing, databases and utilities, 2nd spreadsheets aiding in administrative and managerial functions.
3. **Local Area Networking:** Upgraded existing 3Com 3+Share operating system to Novell Netware V 3.11. Replacement of older hardware as needed (3 server 3 file server).
4. **Office Automation:** Continued office productivity application software utilized (databases, spreadsheets, and word processors) and current existence of a local area network sharing hard drive and printers.

## TECHNICAL COMMUNICATION SERVICES DEPARTMENT (COST CENTER 265)

Primary Contacts			
Contact Person	Subject	Phone	E-Mail Address
John Boebinger	Local Talk Network PC Network PCs/Macs	2-6997	N/A
Jackie Griffith Linda Haley	Word Processing Graphics	2-3795 2-8820	JJD AT ANLEES1 N/A

Personal Computers and Workstations			
Manufacturer	Existing FY1990	Existing FY1991	Estimated Total FY1992
IBM (PS/2)	0	5	5
Apple (II, MacIntosh)	0	12	3
Apple Portable Mac	0	2	2
Gateway 2000	0	19	10
Portable PCs	0	3	3
NBI PC	0	3	0

Word Processors and Network Servers			
Manufacturer	Existing FY1990	Existing FY1991	Estimated Total FY 1992
NBI WP/WS	1	1	0
NBI WP/Server	1	1	0
NBI Unix Server	1	1	0
PC Network Server	0	0	2

<b>Software</b>			
<i>Word Processing/Editing</i>		<i>Database</i>	
Word Perfect (DOS)	(25)	File Maker Pro	(2)
Word Perfect (Mac)	(5)	Excel	(5)
MS Word (Mac)	(11)	DbaseIII	(1)
MS Word (DOS)	(1)	Data Perfect	(1)
Expressionist	(4)	Plan Perfect	(1)
Macwrite	(1)	Fast Track Sch.	(1)
<i>Communications</i>		<i>Utilities</i>	
Xtalk	(1)	Norton (PC)	(1)
MacLink Plus	(1)	Norton (Mac)	(1)
Software Bridge	(3)	After Dark	(11)
White Knight	(1)	MacroMind Dir	(1)
		MicroMind Acc.	(1)
		Sound Clips 1&2	(1)
		Top Honors	(1)
		386MAX	(16)
		QEMM	(6)
		SuitCase II	(1)
		LifeGuard	(1)
		Sticky Business	(1)
		Timbuktu	(1)
		Thunder 7	(1)
<i>Graphics</i>		<i>Utilities</i>	
Cricket Graph	(3)	Power Point	(5)
Adobe Collector's	(2)	Adobe Type	
Aldus Pagemaker		Manager	(1)
Color	(1)	Canvas	(4)
Certificate Maker	(1)	Cricket Presents	(1)
Freedom of Press	(2)	Image Studio	(1)
MacFlow	(2)	Laser Award Maker	(1)
MapMaker	(1)	Omni Page	(1)
SuperPaint	(1)	Video WorksII	(1)
Visual Business Gra.	(1)	Versa Term Pro	(1)
Adobe Illustrator	(1)	Adobe Streamline	(1)
Aldus Pagemaker	(4)	Aldus Persuasion	(4)
Certificate Library	(1)	Clip Art Library	(1)
Graphics PaintII	(1)	Kaleidagraph	(2)
MacDraft	(2)	Map Art-Pict	(1)
Math Type	(4)	Pixel Paint Pro	(1)
Video Work Acc.	(1)	Visual Bus.#5	(1)
		Legend	(1)
		Aldus	
		Freehand	(4)
		Super 3D	(1)
		DeltaGraph	(4)
		MacDraw II	(2)
		Map Art-Paint	(2)
		RetroSpect	(1)
		Draw Perfect	(1)
		Adpbe Plus Pack	(5)
		Adobe Type Libr	(1)
		The Curator	(1)
		Dreams	(1)
		MacAtlas Pro	(1)
		Map art-EPS	(2)
		Video Paint	(1)

**Network Connections**

	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Lab-wide Ethernet (TCP/IP)	26	36
Lab-wide Appletalk	13	18

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations:** *None planned.*
- 2. Personal Computing:** *Continued growth and development of existing applications.*
- 3. Local Area Networking:** *Change from current NBI network to either OS/2 Lan Man, Word Perfect Office, or Novell. Included with the implementation of a new PC Based network will be the addition of network servers. Exact amount cannot be determined until a final decision is made as to what network software will be used.*
- 4. Office Automation:** *With the implementation of new network, both PCs and Mac will coexist, share resources, and have common mail capabilities.*

**TECHNICAL INFORMATION SERVICES DEPARTMENT (COST CENTER 161)**
**Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Shannon Savage	All	2-4221	B27707TI AT ANLCV1

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	34	46	46
Zenith	2	2	2
Terminals for AIM*	16 - 20	31	31
MAC IIc	0	1	1

\*Argonne Information Management System

**Software**

<i>Word Processing/Editing</i>		<i>Database</i>	
Word	(39)	DBase III Plus	(3)
KEDIT	(3)		
<i>Spreadsheet</i>		<i>Languages/Compilers</i>	
Lotus 1-2-3	(3)	MS Cobol	(1)
<i>Communication/Terminal Emulation</i>		<i>Utility</i>	
Procomm +	(23)	Windows	(23)
		Fastback +	(24)

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

*1. Scientific Work Stations: Developing access through AIM to CD-ROM storage of scientific and technical information.*

*2. Personal Computing: Training and further use in Windows 3.0.*

*3. Local Area Networking: Install a 3-COM system and investigate hooking it into the Laboratory's ethernet telecommunications system.*

*4. Office Automation: Investigate upgrading to Word for Windows.*

**TRAVEL OFFICE (COST CENTER 319)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Lawrence McCure	All	2-4440	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	2	2	2

**Software**

<i>Word Processing/Editing</i>	<i>Database</i>
Word (1)	DBase III Plus (2)

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. *Scientific Work Stations: None planned.*
2. *Personal Computing: None planned.*
3. *Local Area Networking: None planned.*
4. *Office Automation: None planned.*

**UTILITY SYSTEMS (COST CENTER 510)**

<b>Primary Contacts</b>			
<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Jim Huggins	Manager	2-5241	N/A

<b>Personal Computers and Workstations</b>			
<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	1	1	1

<b>Software</b>			
<i>Database</i>			
DBase IV	(1)		

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. *Scientific Work Stations: None planned.*
2. *Personal Computing: None planned.*
3. *Local Area Networking: Plan to install a local area network to track maintenance deficiencies. Will replace application on IIP3000.*
4. *Office Automation: None planned.*

**VEHICLE MAINTENANCE (COST CENTER 316, 317, 503)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Betty Andrus	All	2-7100	N/A

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
IBM (PC, AT, XT, PS/2)	4	5	5

**Software**

<i>Word Processing/Editing</i>	<i>Database</i>
Word (1) WordPerfect (1)	LAN PACK (N/A)

**Network Connections**

	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
Local 3Com	1	1

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

- 1. Scientific Work Stations: None planned.*
- 2. Personal Computing: Implementation of Word Perfect word processing.*
- 3. Local Area Networking: Implementing of terminal at Grounds Department on 3Com Server. The application on this terminal for Grounds work is now operational..*
- 4. Office Automation: Develop experience on Microsoft Word and Word Perfect word processing.*

**WASTE MANAGEMENT OPERATIONS (COST CENTER 505)****Primary Contacts**

<i>Contact Person</i>	<i>Subject</i>	<i>Phone</i>	<i>E-Mail Address</i>
Duane Bradley	All	2-7307	B15692A AT ANLVM

**Personal Computers and Workstations**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY1992</i>
AT&T	1	2	2
Epson	0	9	9
IBM	0	1	1

**Word Processors**

<i>Manufacturer</i>	<i>Existing FY1990</i>	<i>Existing FY1991</i>	<i>Estimated Total FY 1992</i>
NBI	1	0	0

**Software**

<i>Spreadsheet</i>		<i>Word Processing</i>	
Multiplan	(1)	NBI	(1)
Lotus	(3)	Word Perfect	(3)
		Microsoft Word	(1)
<i>Graphics</i>		<i>Databases</i>	
Harvard Graphics		DBase IV	(7)
<i>Communications/Terminal Emulation</i>			
Procomm	(1)		

*Planned activities and/or applications to be implemented during the next fiscal year in the areas of (1) scientific work stations, (2) personal computing, (3) local area networking, and (4) office automation:*

1. *Scientific Work Stations: None planned.*
2. *Personal Computing: May replace NBI equipment.*
3. *Local Area Networking: None planned.*
4. *Office Automation: None planned.*

**END**

**DATE  
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**01/16/92**

