```
- ------                          -------------------------------------
FORM 4                                         OMB APPROVAL
- ------                          -------------------------------------
[ ] Check this box if no longer    OMB Number                3235-0287
    subject to Section 16. Form 4   Expires:          December 31, 2001
    or Form 5 obligations may       Estimated average burden
    continue. See Instruction 1(b).  hours per response............. 0.5
                                  -------------------------------------
```

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP
Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section
17(a) of the Public Utility Holding Company Act of 1935 or Section 30(f) of the
Investment Company Act of 1940

==
1. Name and Address of Reporting Person*

    Katz   Alvin   L.
- --
     (Last)   (First)   (Middle)

    c/o Amtech Systems, Inc.
       131 S. Clark Drive
- --
     (Street)

    Tempe   AZ   85281
- --
     (City   (State)   (Zip)
==
2. Issuer Name and Ticker or Trading Symbol

    Amtech Systems, Inc. (ASYS)
==
3. IRS Or Social Security Number of Reporting Person (Voluntary)

==
4. Statement for Month/Year

    05/00
==
5. If Amendment, Date of Original (Month/Year)

==
6. Relationship of Reporting Person(s) to Issuer (Check all applicable)
    [X] Director   [ ] 10% Owner
    [ ] Officer (give title below)   [ ] Other (specify below)

==
7. Individual or Joint/Group Filing (Check Applicable Line)
    [X] Form filed by One Reporting Person
    [ ] Form filed by More than One Reporting Person
==

Form 4 (continued)

TABLE I--NON-DERIVATIVE SECURITIES ACQUIRED, DISPOSED OF, OR BENEFICIALLY OWNED

1.Title of Security (Instr. 3)	2.Transaction Date (Month/Day/Year)	3.Transaction Code (Instr. 8)		4.Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			5.Amount of Securities Beneficially Owned at End of Month (Instr. 3 and 4)	6.Ownership Form: Direct (D) or Indirect I) (Instr. 4)	7.Nature of Indirect Beneficial Ownership (Instr. 4)
		Code	V	Amount	(A) or (D)	Price			
Common Stock $.01 par value	5/18/00	P		10,000	A	$3.60	70,000	D	

--

```
================================================================================
================================================================
          Table II--DERIVATIVE SECURITIES ACQUIRED, DISPOSED OF, OR BENEFICIALLY OWNED
                (e.g., puts, calls, warrants, options, convertible securities)
================================================================
1. Title of Derivative    2. Conver-    3. Trans-   4. Transac-   5. Number of Derivative
   Security (Instr. 3)        sion or       action      tion          Securities Acquired
                             Exercise      Date        Code          (A) or Disposed
                             Price of      (Month/     (Instr. 8)    of (D)(Instr. 3,4, and 5)
                             Derivative    Day/        -----------   ------------------------
                             Security      Year)       Code    V        (A)         (D)
- --------------------------------------------------------------------------------------
                                                                                       
- --------------------------------------------------------------------------------------
                                                                                       
- --------------------------------------------------------------------------------------

6.Date Exer-        7.Title and Amount of   8.Price   9.Number    10.Owner-   11. Nature
  cisable and         Underlying Securities   of        of Deriv-     ship        of
  Expiration          (Instr. 3 and 4)        Deriv-    ative         Form of     Indirect
  Date (Month/                                ative     Securities    Deriv-      Benefi-
  Day/Year)                                   Security  Bene-         ative       cial
  ----------------   --------------------     (Instr.5) ficially      Security:   Owner-
  Date    Expira-    Title    Amount or                 Owned at      Direct (D)  ship
  Exer-   tion                Number of                 End of Month  or Indirect (Instr.4)
  cisable Date                Shares                     (Instr. 4)    (I)(Instr.4)
- --------------------------------------------------------------------------------------
                                                                                       
- --------------------------------------------------------------------------------------
                                                                                       
- --------------------------------------------------------------------------------------
================================================================
```
</TABLE>
Explanation of Responses:

```
                    /s/ Alvin L. Katz          June 6, 2000
          ------------------------------     -----------------
               Alvin L. Katz                      Date
          **Signature of Reporting Person
```
**   Intentional misstatements or omissions of facts constitute Federal Criminal
      Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
      If space is insufficient, see Instruction 6 for procedure.
Potential persons who are to respond to the collection of information contained
in this form are not required to respond unless the form displays a currently
valid OMB Number.