The VT Hacker
by The Mad Hermit

Welcome to the first installment of the hackers' corner. In this "electronic magazine", I will be speaking out on various issues relating to computers, telephones, and other technological devices that have uses their creators didn't intend them to have. First, I would like to point out a disclaimer. The information given here will NOT compromise the security of any institution. It is NOT being distributed with the intent that it will be used for illegal activities. I (and everyone else here) hereby take NO responsibility if some mentally deranged person gets bad ideas from this and does something dispicable. The information in this column will be just that: freely available items of interest that have been collected from different sources. Any nasty ideas coming from knowledge of this information are the fault of the person(s) who read(s) it.

Now that I've gotten rid of that load, I'll tell you about the format I'd like to try to follow. Typically, I will have feature articles to start things off. After the feature, I intend to have news articles of interest to all computer owners, followed by reader mail as space permits. This time, I have a crash course on the Tech (and other) library's VTLS system including some of the more esoteric functions available. These articles will more often be written by me, but submissions are always welcome and WILL BE READ by me. In future issues, I will talk about hacking on LocalNet, VMS/CMS, Unix/Ultrix, BitNet, Pick, GTE's TeleNet, and a Hewlett Packard system on which your high school might still keep grades and records.

I would like to extend a call to all phreakers and hackers to send in stuff about microcomputers, local BBS's, and bizarre phone #s also.

And Now..............VTLS - Virginia Tech's Library Search Service

FIRST - the basic commands:
          A/ = Author Search
          B/ = Boolean Word search (Inaccessable)
          C/ = Call Letter Search
          /C = Return to last item screen (slash cmd)
          CA = Catalog listing screen (Local cmd)
          H/ = Holdings listing
          H = Holdings screen (Local cmd)
          HELP = Local help for current screen
          /HELP = General help screen
          L/ = Videodisk operation (Inaccessable)
          M/ = Call Letter Search
          MARC = Data file of the book or magazine (Local cmd)
          NS = Next Screen (local cmd)
          P/ = Professor Reserve listing

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            PS = Previous Screen (local cmd)
            Q/ = Course ID reserve listing
            S = Special Book Status (local cmd)
            S/ = Subject Search
            SHOW = returns user to item list screen (Local cmd)
            T/ = Title Search
            /T = Show Date and Time (slash cmd)
            W/ = Word Search (Inaccessable)
            X/ = Videodisk operation (Inaccessable)
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The two slash commands, C and T, are interesting because they aren't
exactly in the normal input format. The /C command is especially powerful
because although PS no longer returns you to the last screen after you type
/HELP, /C always will. Note that four commands aren't implemented in this
version of VTLS. Not being one to miss a chance for social engineering,
I asked various librarians some questions and managed to piece together a
rough outline of what is going on. Word search (and its boolean couterpart)
and videodisk services were a part of VTLS when it was first conceived, and the
code that ran them was part of the original system. If, however, these
commands were accessed by someone without the proper hook-ups, the terminal
crashed. As a result, these features were removed. Another problem
encountered was the fact that the terminals could send control sequences
(holding down the control key while hitting another key) that messed with the
system. These have been rendered harmless. Some control sequences are:

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            CTRL-G = Beep
            CTRL-H = Backspace
            CTRL-I = Who knows (just beeps)?
            CTRL-J = Linefeed only
            CTRL-M = Return and Linefeed
            CTRL-P = Space
            CTRL-X = Prints "!!!" and then return
            CTRL-Y = Break key (this used to cause trouble)
            CTRL-1 = Displays special characters & turns off scrolling
            CTRL-2 = Turns off effects of CTRL-1
            CTRL-4 = Turns KeyBeep On/Off
            CTRL-6 = Slow Cursor Flash
            CTRL-7 = Fast Cursor Flash
            CTRL-8 = Fastest Cursor Flash
            CTRL-9 = Turns Cursor into an Underline
            CTRL-0 = Screen Blowup (alternates between "U" and "*")
            CTRL-Home = Clears Screen
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Novice vs. Advanced Searches on VTLS
        Normally the user operates in novice mode, but enterprising people
have discovered some advanced features including many more help screens than at
first imagined. Simply type "?" and then <return> to get the Novice User's

menu. Though only 7 choices are displayed, there is more than meets the eye.
Info about any of the advanced services can be obtained by typing in the
following command structure : "# ?". The pound sign (#) represents the number
of the service you wish to get advanced help on. What follows is a list of
currently known numbers and what they mean:

                    1 = Author
                    2 = Subject
                    3 = Title
                    4 = Call Number
                    5 = ISSN Search
                    6 = LSSN Search
                    7 = ISBN Search
                    8 = Word Search
                    9 = Boolean Word Search
                    10 = Professor Reserve
                    11 = Course ID Reserve
                    100 to 110 = Reserve Module Numbers (unused)

        The Reserve Module is another one of those things that has been
discontinued. There also seems to have been an Acquisitions module, that the
main offices on the Sixth Floor might have used, but I don't know the numbers
for it.

        Announcing a 1-800 scan! This phreaker pastime is being resurrected
around campus by several interested parties. Pick an exchange (i.e. 1-800-XXX)
and dial as many numbers as you can, recording the ones that are answered or
return weird noises. The numbers in each exchange go from 1-800-XXX-0000 to
1-800-XXX-9999. This activity is PERFECTLY LEGAL, but the fone company has
been known to get suspicious of calling patterns where numbers in sequence are
dialed. If this happens, tell them that you aren't harrassing anyone or
frauding the fone company. It's free, & informative. To get you started, here
are some I have collected (if they don't work anymore, please tell me):

1-800-221-0226 NBA Hotline
1-800-221-2000 TWA Reservations
1-800-221-2014 Extender
1-800-221-4945 Women USA News
1-800-221-9735 Carrier
1-800-222-0248 Dow Phone
1-800-222-0300 AT&T Toll-Free Wake-Up Service. An AT&T representative will
awaken you in the morning. Call late at night & ignore initial voice messages.
1-800-225-8456 AUTONET
1-800-228-1111 VISA Credit Check
1-800-228-8777 Zip Code Information
1-800-238-5342 National Cotton Council
1-800-242-4022 Los Angeles Smog Report

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1-800-248-0151  White House Press
1-800-252-0112  USC Newsline
1-800-253-9892  Up-Time Distribution
1-800-321-1082  Navy Finance Center
1-800-321-3048  Beepers
1-800-321-3049  Beepers
1-800-321-3052  Beepers
1-800-321-3074  Beepers
1-800-323-1146  Carrier-like sounds
1-800-323-1151  Long Distance Diverter
1-800-323-2005  Carrier
1-800-323-3107  Carrier
1-800-323-4279  Carrier
1-800-323-4297  Asks for 7-digit access code
1-800-323-4298  Special Operators
1-800-323-4313  PBX (Private Branch Exchange)
1-800-323-4354  Special Operators
1-800-323-4376  Carrier
1-800-323-4377  Carrier
1-800-323-4462  Carrier
1-800-323-8021  High tone
1-800-323-8039  PBX
1-800-325-0887  Arts Program Guide
1-800-325-9999  Strange tone, then silence
1-800-327-0000  "Announcement three, Dallas" (changes sometimes)
1-800-327-6764  AUTONET
1-800-331-1323  Direct Connection with French Operators
1-800-331-3701  Shell Credit Center
1-800-336-0149  TYMNET Offices
1-800-336-3366  "The Source" Customer Service
1-800-342-1105  Tone
1-800-342-1108  Tone
1-800-342-1143  800 Operator
1-800-342-1119  LOUD Tone
1-800-343-2903  Call America Long Distance Service
1-800-343-6400  PBX with recording
1-800-362-7171  MASTERCARD/VISA No.
1-800-367-4710  San Bernadino Smog Report
1-800-368-1017  Test Number
1-800-368-1018  Test Number
1-800-368-5468  "Satelite Network Control"
1-800-368-5500  Coin Update
1-800-368-5634  MCI Update
1-800-368-5640  Senate Update
1-800-368-5642  Nuclear Regulatory Commission Op.
1-800-368-5667  Business Line
1-800-368-5693  Republican Talk Line
1-800-368-5744  AFL-CIO News Service
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1-800-368-5814  National Association of Realtors
1-800-368-5833  American Heritage Foundation
1-800-368-5844  Communications Satelite Corporation
1-800-368-5939  White House Operator
1-800-424-0124  Office of Education News
1-800-424-2424  American Federation of Teachers
1-800-424-5040  N.A.M. Newsline
1-800-424-5201  Export&Import Bank
1-800-424-5900  PBX
1-800-424-6200  Odd Service
1-800-424-8086  National Education Association
1-800-424-8530  Housing & Urban Development
1-800-424-8807  Dept. of Transportation
1-800-424-9090  White House Press Office
1-800-424-9128  Dept. of Energy Newsline
1-800-424-9129  Ditto, but in Spanish
1-800-424-9180  COMMANDER II
1-800-424-9440  COMMANDER II
1-800-424-9494  TELEMAIL
1-800-424-9820  Citizen's Choice News
1-800-424-9864  Edison Energy Line
1-800-521-8426  RSX-11
1-800-524-0000  "Announcement one, Atlanta"
1-800-525-3056  Cattleman News
1-800-525-3085  Cattleman News
1-800-525-7623  American Express Current Exchange Rate
1-800-526-2000  "You've got equipment problems?"
1-800-527-2011  Credit Authorization
1-800-527-2551  Carrier
1-800-528-2121  American Express Voice Credit
1-800-544-6363  Alliance Teleconferencing
1-800-548-0000  "Announcement two, Chicago"
1-800-555-8111  See 1-800-222-0300.  This is an alternative.
1-800-621-4562  ?????
1-800-621-8094  American Medical Association
1-800-631-1147  Beepers
1-800-645-5350  UNKNOWN
1-800-622-0858  California Medical Association
1-800-882-1061  AT&T Stock Prices
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