Renewal Reminder

All USUS Members should have received a renewal letter from USUS President, Weber Baker by now. (A possible exception is for you Members who have expiration dates in December, 1988).

The number in the upper-right corner of the address label on this NewsLetter is the expiration date of your Membership. If it is less than 89.01 your membership has expired! Or there is an error in our records. If you find an error, let USUS know.

A renewal form makes up the last page of this NewsLetter. Copy and use it if you can't find the one that came with Weber's letter. But most of all, don't say, "I just forgot to do it in time!" That's the reason for this reminder.

All Members who do not renew by January 1, 1989 will be placed on an "Inactive Member List". This means they will miss future NewsLetters and be ineligible for other USUS services until they reactivate their membership.

SAGE/STRIDE News

Lots of bad news and a little good news for SAGE/STRIDE owners. The bad news is that MicroSage filed for chapter 11 bankruptcy on September 30th, 1988. Hays has more info in the following column. Those of us who own Sage and Stride machines are wishing the company the best of luck in recovering from their troubles.

The good news is nowhere as good as the bad news was bad, but its something. We now have a SIG chair for the SAGE/STRIDE SIG. Welcome to **Raymond Weglein, Jr.** (CIS: 74140,14) who volunteered to head the SAGE/STRIDE SIG. We will be hearing from him in the future.

Some news about **Bill** and **Verlene Bonham** (original stockholders in StrideMicro, now MicroSage) and long time USUS members. Bill has established himself as "WRB Enterprises" and is consulting on the p-System and low-level hardware/software interfacing. One good client so far, with hopes for more. You can reach Bill at (702) 322-6868 if you want to chat. Verlene is now Computer Systems Manager for Commercial Continental, LTD. a merchant bank which is opening new offices in Reno. Her number at CCL is (702) 355-1666. We wish them luck in their new endeavors.

Administrator Says
by Hays Busch

It's nice to get letters like the one from **Dr. John Corbett** who says,

> "I sign up as a professional member for a second year because I believe in 'youse guys', and because I love the Power System. Keep up the good work. Get busy with more programs to increase interest in the system. It seems a shame that MS-DOS, a lesser system, is getting all the business."

To which we say, thanks for the 'pat on the back' John! It helps to know you are behind USUS and makes our jobs easier.

Elsewhere in this issue you'll have information on the SAGE/STRIDE situation. Because the reports are confusing, I called a "source" I have to see if I could get some clearer understanding of what is going on. My source points out that a Chapter 11 filing does not mean the company is "out of business." It means the company is seeking relief from creditors and hopes to submit a business and financial plan to the bankruptcy court (and the creditors) that will allow it to continue.

My source also pointed out that calls to MicroSage will be answered with a telephone company intercept which says, "...this number is no longer in service...". So, in fact MicroSage has shut its doors. I also was able to learn that First Interstate Bank in Reno is in possession of the MicroSage assets. My source suggests that the Bank may be a focal point for efforts to restructure the company. However the source also says that SAGE and STRIDE owners should NOT contact the bank, but should contact their, "value added retailer" for more information.

All of the above is "sad news" since the SAGE/STRIDE folks have been perhaps the most loyal supporters of USUS and it's activities. We hope the company can come out of this and continue that support. But no matter how this comes out, once again we are reminded of "why" USUS can be so important to its members. USUS is becoming a valuable support for APPLE and TI 99/4a machines and their owners. If our valued MicroSage joins this group...and we hope not...USUS needs to do what it can to, "fill the gap".

I started with a renewal letter, so let me end on the same note. The front page has a reminder notice for you who have not renewed. The back page is a renewal form. It would make my life a bit easier if you would renew on the form sent to you with Weber's letter, but regardless, if you have lost that one, use the one herein and renew! I am happy to say we have passed the 25% renewal mark. But we still need more to make our 1989 year a success. It's all up to you. Also, I'm impressed with the number of renewals coming in from our International Members. How about it USA and Canada?

Board of Directors Minutes (Sept. 13,1988)
by Samuel B. Bassett

MINUTES OF THE SPECIAL MEETING OF THE BOARD OF DIRECTORS OF USUS, INC., HELD VIA THE TELECONFERENCING FACILITY OF COMPUSERVE INFORMATION SERVICE ON SEPTEMBER 13TH, 1988.

Present at the meeting were:

User ID	Name
76456,416	Jon Nevins, Board Member
76703,500	Eli Willner, Board Member
73007,173	William Smith, Assistant SysOp, NewsLetter Editor
76314,1364	Sam'l Bassett, Board Chaircritter
72135,1667	Harry Baya, Board Member
70260,306	A. Hays Busch, Administrator
72747,3126	Robert Clark, Treasurer

The meeting came to order at 10:25:50 PM EDT Tuesday, September 13, 1988, when the third Director (Eli Willner) signed on to CompuServe. At 10:40 EDT, Jon Nevins showed up, giving a historic total of 4 Directors at one on-line meeting.

Items on the Agenda were:

1) The matter of Bob Peterson

2) Library policy

BOB PETERSON

It had been brought to the Board's attention that Bob Peterson, while the principal SysOp of MUSUS from circa 1983 to early 1988, received semi-regular checks from CompuServe representing USUS' royalty on the connection charges paid by people reading and leaving messages on MUSUS. It appeared that Mr. Peterson had forwarded some of these monies to USUS, and had not forwarded other parts.

A discussion of the matter was held, and the issues and concerns raised in the discussion are here summarized by the Chaircritter:

MUSUS is almost unique among CompuServe Forums in that from the start, the contractual agreement has been between CompuServe and a corporation (USUS) and not between CIS and an individual (the SysOp). All other public forums are run by the Principal SysOp or a corporation formed later for the purpose of administering them, and CompuServe's contracts and payment procedures are geared toward paying royalties to the Principal SysOp of the Forum.

USUS had tried, without success, to change this understanding with CompuServe from at least 1985 onwards -- without success, until Mr. Peterson's resignation. Starting this year, CompuServe had started to send checks made out to USUS instead of Mr. Peterson to the USUS Post Office Box in La Jolla.

Due to the deplorable state of USUS' financial records prior to 1985 (they have managed to vanish) and the lack of cooperation from CompuServe, the exact amounts paid to Mr. Peterson and not reimbursed to USUS are unclear. Estimates range from less than $500 to over $1,000. Mr. Peterson has not been notably helpful in this regard, either.

It is and has been the opinion of the Board that Mr. Peterson earned every penny of the money by his long and fruitful service as SysOp, but that an accounting was in order. Mr. Peterson was approached on this subject, without result. At the time that Mr. Peterson resigned as SysOp in favor of Arley Dealey, the consensus of the Board was that is was not worth the time and effort to pursue the matter for three reasons:

1) The amounts were so small (approximately $100/month) and spread over so long a time (several years), and USUS was very remiss in demanding any accounting for entirely too long;

2) That Mr. Peterson had done such an outstanding job as SysOp all during that time; and

3) It would be bad manners and even worse, bad Public Relations -- scaring off possible members -- to conduct an acrimonious fight over ill-defined amounts of money.

The Chaircritter therefore introduced the following resolution:

"Inasmuch as Bob Peterson performed the duties of MUSUS SysOp with distinction for many years, at great personal cost in both time and energy; and

Inasmuch as many CompuServe SysOps make a portion or the entirety of their living from the royalties paid on connect time in the Forums that they administer; and

Inasmuch as there is no clear evidence of misappropriation of funds on Mr. Peterson's part, no clear evidence in USUS' records of either the amounts owed, or of timely demands for their repayment;

Therefore the Board of Directors does formally forgive and discharge Mr. Peterson from any indebtedness to USUS for monies received while he was SysOp of the MUSUS Forum on CompuServe.

The Board notes, however, that all royalties on MUSUS connect time properly belong to USUS per the contract with CompuServe; that no agreement has been entered into with any SysOp for reimbursement for work done as part of discharging the duties thereof; and that no precedent is set hereby for forgiving debts of any kind in any other case."

The resolution was passed by unanimous vote of the Directors present, and with the assent of the Officers present.

THE LIBRARY

USUS has a Library of contributed Pascal and Modula-2 programs, which consists of some 35 or so volumes, each of between 140k and 360k bytes of source code and commentary. This collection is viewed by the Board as being one of USUS' major assets, but one which has been allowed to languish.

The announced intention of this meeting was to develop Policies about the Library, rather than concrete suggestions about how it should be handled. The Chaircritter had some little difficulty in keeping the group focused on generalities rather than specifics, but two resolutions did emerge:

"It is resolved that USUS will, as a matter of policy in the future, require that all submissions to the Library include a standard header in source code, and a text file to accompany object code, which gives the name and/or sufficient information for interested parties to contact the author, and clearly spells out Copyright restrictions on use of the software if any. It is also the Policy of USUS that authors may remain anonymous, if they wish, and if so, the standard header must state that the author remains anonymous."

It is resolved that USUS will adopt a policy of collecting and disseminating Public Domain software (i.e. that without ANY restrictions on its use or dissemination), and that measures will be taken to ensure that Public Domain software, existing contributed software, and software to be sold shall be handled separately, and with due care."

Both resolutions received the assent of the Directors and Officers present, and were therefore adopted.

The Special Meeting of the Board on CompuServe was adjourned at 12:00:00 PM EDT Tuesday, September 13, 1988, with agreement to resume on October 11, 1988 at 7 PM PDT / 8 PM MDT / 9 PM CDT / 10 PM EDT.

Minutes submitted by:
Samuel B. Bassett

Apple SIG Doings
by Frank Lawyer

Thank you for your contributions to the column in terms of both letters and code segments. Let me assure you that I will get back to you on all this stuff, but sometimes the schedule gets tight, and I need to concentrate on writing this column, or fixing the Apple welcome disk.

PRAISE...

Thanks to **Verlene Bonham** (SAGE/STRIDE) for the permanent copy of the SofTech Applications Catalog. I really appreciate it when people from other SIGs help out.

David Craig has contributed an article on the Lisa Pascal System. We will be putting that on an information disk, and possibly it will appear in a future NewsLetter, pending the Editor's review.

WELCOME DISKS...

A question came up about the Apple3 version of the Welcome Disk. If you have an Apple3, you can read the Apple2 welcome disk directly with the Pascal Editor. Just make sure you have the compatibility mode turned on. That way no special disk is required. If you want to transfer the files to a SOS disk, go right ahead.

The welcome disks have been updated to a new version of 10/01/88. One or two new files have been included, and several existing ones were expanded. We have started a bibliography of books and articles. This differs from the book file which has comments on each book listed. An extensive vendor directory was added (courtesy of **Eli Willner's** MUSUS file), which contains vendors and their products. Unfortunately, the last time this was updated was the beginning of 1985, so it is somewhat out of date. We expect to work on the list to make it more current, so if you get the welcome disk and have any comments, please let us know.

Files were added which contain a listing of the file names on USUS archive library disks, sorted by disk, and the same list sorted by file name. Either of these are small enough to load into the editor and locate a file name of interest. The list covers only the first 12 volumes, but the complete list should be available in the next version. This will give users the start of being able to locate files rapidly. We hope to have some additional features for the next version, which will probably be 12/01/88.

Those of you who are receiving the welcome disks, please let me know what else you would like to see there. The purpose of the welcome disks is to give members, especially new members, a place to look for things they may need to know. Your comments are appreciated.

LIBRARY DISKS...

We are working on a NEW library disk, which will be for Apple graphics under Pascal. This will have demo programs and graphics screens, and routines that you can add to your own programs. Don't have the disk available yet, but it should be ready next time.

Again, please send all orders for Library disks direct to USUS Inc., Library Disk Orders, PO Box 1148, La Jolla CA 92038. Please use the order form on the welcome disk and print it out if you have it, because it has the new volume names. Make your checks payable to USUS Inc.

BOM...The bargain of the month.

I have one extra copy of "Apple Pascal a Hands-on Approach". I'll let this go for the best offer of $10 or over. As last month, don't send money with letter, but send letter with your interest, and I'll get back to you with details. This is probably the best beginners book for Apple Pascal. Description (from the Apple welcome disk):

"Apple Pascal - A Hands-On Approach.
Arthur Luehrmann and Herbert Peckham.
Published by McGraw-Hill New York NY.
1981. 431 pages.

This an excellent first book for a beginner in UCSD Pascal and/or programming. The authors assume no previous knowledge of either. The book consists of a series of tutorial hands-on sessions in Apple Pascal. Each session is meant to be worked through at your Apple2, and should take about 2 hours. The whole book should take 30-40 hours and would give the reader a pretty good foundation in Pascal, and the elements of the p-System needed for program preparation. Only those elements of the Editor and Filer which must be used for programming are described. The book was written around using v1.1, but later versions should work OK. There are some good appendices here, and an index. Answers to half the study questions are given. In an effort to include those with the minimal hardware, the book is written around a one drive system, but the user with 2 drives should use them both, things will go much better. It is not impossible to run Apple Pascal with only one drive, but for program development two drives are far superior. This book is not a reference manual, and will not substitute for one when you need it."

Again, the proceeds go to USUS.

SWAP SHEET...

Along about December sometime, I intend to put out a bulletin to Apple and Mac people, in addition to a regular Newsletter column. I would like to plan to include a Swap Sheet. This would be a single sheet which would contain things you have gathering dust which you would be willing to trade for other dust covered software, books etc which someone else may have. Included would be items you are looking for, items to sell, whatever. If you are buying or selling, please include the price you want. Send me your want/sell list and include name address and telephone number. I'll put everything on a double-sided page and send it out with the bulletin. Please be specific about what Apple hardware and software it runs on, since there a lot of variations. This need not be confined to p-System stuff.

HELP...

Does anyone out there have code for setting up any of the Applied Engineering or other memory boards to work as a RamDisk for Apple Pascal or Pecan Power System Pascal?..OK, you Mac maniacs, I sent you a bulletin, but I only got one reply. If you don't chime up with your ideas, I'll have to use my random idea generator.

If you have the idea for a Product Review that you would like to do or have done, please let me know. Almost anything is OK, but should be related to the p-System somehow.

LETTERS...

For those of you who write to me, I am making the assumption that I may use any or all of what you write for my column here. There may be some things which are of a general nature that I pass on to William Smith, the NewsLetter Editor. So if there is anything that you don't want to pass beyond my eyes, be sure to say so.

Had a question from Beverley Henderson on the Apple v1.3 upgrade. An upgrade used to be available directly from Apple for a price of $150. This required that you send Apple your APPLE0 disk in exchange. I am told that this upgrade is no longer available. In any case, it is cheaper to join APDA for $20 and pay $75 for the new v1.3 complete, and not have to trade in your old disk. Those of you who may not consider they want to spend $20 for the benefits of APDA membership (see welcome disk), please call or write me, as we could discuss alternate ways to obtain v1.3.

Peter Goodman would like to know the differences between the Power System and PowerTools, and how can those things help us.

The Power System is really only a different name for the p-System started at UCSD, and later taken over by SofTech, which was bought out by Pecan. The welcome disk has a complete write-up on all the Power System software, which is extensive, and includes compilers and utilities besides the operating system.

PowerTools is a group of related tools which is integrated into a package run under a menu. It includes a full-screen editor (WordTools), a file manager (FileTools), and a communications utility (TermTools). There is a write-up on PowerTools (and an order form) on the welcome disk. USUS sells PowerTools, so profits help the membership. Note that at this time the Apple2 version of PowerTools is not available.

This is being worked on. The Mac version is complete, and the Apple3 version does not contain the menu shell.

LASTLY...

If you haven't renewed your membership for the coming year, please do. I can see far enough ahead to say that we will accomplish a lot of new things next year. We will have NEW program disks and continue conversion of the archive disks. And much more. So far Apple renewals are running ahead of the overall average, so keep up the good work!

Frank Lawyer, 126 Demott Lane, Somerset, NJ 08873; (201) 828-3616

USUS Public Domain
by Harry Baya (Board of Directors)

A number of us would like USUS to collect and distribute public domain software developed in Pascal and related languages. The USUS board has approved our pursuing this goal "pending ways to handle it responsibly". The article seeks to make USUS members aware of this activity and to invite support, comments and suggestions.

The remainder of this article presents some of my thoughts and ideas on this undertaking. What we actually choose to do will reflect the ideas of a number of us.

I believe that programmers, application developers and the like who work in Pascal and closely related languages (such as Modula-2) would benefit greatly from the experience of creating and using an evolving library of public domain software. The focus of the library that I would like includes:

☞ developer's tools (debuggers, editors, checkers, compilers, etc., print utilities)

☞ building blocks for use in applications (procedures, units, functions, assembler code, items specific to particular hardware or software, as well as general items)

☞ communication applications that will assist users to access the library, to contribute to it, and to share its contents with others. (terminal emulations, BBS construction sets, Pascal based file compressors, X-modem in Pascal etc.)

☞ Library tools that would assist users of the library in finding and evaluating items that are relevant to their interests. I think these are especially important in this undertaking and the structure should encourage constant evolution and improvement. (indices, keys, sorts, searches, subsets etc.)

☞ Excellent well documented applications for use by computer users whether or not they are programmers. (games, tools, communications, BBS's, construction sets, etc.)

As an initial step I would like USUS to :

☞ set up a public domain data library and begin to collect items for that library.

☞ support a regular column in this newsletter.

☞ create a related section in MUSUS

These actions are intended to help us develop our goals and the tools (such as the statement to be signed by a submitter) we will use in launching this project. They should also help us to collect and distribute our initial public domain offering.

If you would like to become involved in this project please do one of the following:

• Contact
Harry Baya
28 Whitman St.
Hastings-on-Hudson NY, 10706;
(914) 478-4241;
or
Frank Lawyer *(see end of Apple SIG Doings for address and phone)*

• Leave a message on MUSUS for Harry (CIS: 72135,1667) or Frank (CIS: 72401,1417)

Other Thoughts on this undertaking:

Based on past experience I think that we will have to deal with a lot of concerns about legal liability (personal and USUS), procedures and other "overhead" type of stuff. My goal is to have us cut through as much of this as we possibly can and to create a system that has an absolute minimum of red-tape for those who contribute to the library and those who use it.

A second goal is to have the users of the library do as much of the work as possible. I believe users are ideally suited to develop and improve the library tools needed to find and evaluate software and related documentation. The structure I seek will cause the library system itself to evaluate and improve it's contents and the methods of finding things. The hope is that users will submit comments, suggestions, and something like "keywords" for the stuff they take from the library. They would, I hope, do the same for the tools they use in dealing with the library.

Q & / | A? ...

*We received a letter from **John V. Corbett, M.D.** (225 South Gartiot, Mount Clemmens, MI 48043 (313) 468-0833) along with his Professional Membership renewal. He has an Altos 5-5D (a Z-80 machine) with CPM and MPM. He would like to get the Power System up and running on it. He would like to know if anyone has put an adaptable system on this machine?*

*I received a EasyPlex from **Jon Bondy** (CIS: 71545,2023) regarding the program which appeared in the last NewsLetter.*

> "I enjoyed your USUS article very much (in fact, I have been pestering Eli about how to do this for some time), but I do have some stylistic quibbles with you. Below please find an altered and annotated version, with my notes about why I made the changes I did. Hope you find it amusing and/or educational or at least thought-provoking... "

The following is an excerpt of the code (from the Get_Unit procedure, he also made a similar change to the Get_File procedure) he sent back to me. I like the way he moved the work inside the loop when the "if" test is true. It saved an extra test after the loop. He also used the exit statement instead of a goto (one of his quibbles). I prefer the goto (it takes less code space, it doesn't violate the rule "one entry point, one exit point to procedures" and if you need cleanup code before leaving the procedure, you only need it in one place) and so left it in here. On the other hand, you can write unreadable code using gotos,

so if you do use them, have a set of rules on when they should be used and why.

```
        P := UnitList;
        while P <> nil do begin
          with P^ .EnvSib^ do begin
            if SegName = A then
              begin
                str (P^ .EnvSib^ .VolInfo^
                     SegUnit, UnitS);
                UnitS := concat ('#',
                               UnitS, ':');
                Blk := P^ .EnvSib^ .SegAddr;
                goto 2;  { exit while }
                { exit (Get_Unit); }
              end  { if };
          end { with };
          P := P^ .NextRec;
        end { while };
2:
```

Thanks Jon, I really appreciate knowing that someone put it to good use.

From the Editor
by William D. Smith

After much pressure from several NewsLetter contributors, I have set a schedule (**on page 10**) for next years (1989) NewsLetters. At this time I am planning on putting out nine NewsLetters, one each month except for the summer months when there will be one every two months (from May to October). The due dates for the various types of submissions are set up so the News-Letter will be received by members in the middle of the issue period (i.e. January 15th for the January issue and June 1st for the May/June issue). There are three due dates for each issue, depending on how much work there is to set up the the different types of stuff. The things that take the most time will have to be in by the first date. These are programs and forms such as the renewal form at the end of this NewsLetter. The next date is for multi-page articles and regular columns such as the SIG columns. The final date is for short stuff such as ads and announcements (anything more then about ten lines must be on electronic media, disk or MUSUS).

A Program

*The following program is a modified version of a program submitted by **Ken Hamai** (TI-99 SIG Chairman. It was modified to work generically on the p-System. This file and the original are will be available on the next library disk. The TI version make use of the screen interface provided by TI. The generic version here just uses the standard Pascal writeln for output. Note that the order of procedures here are different then in the files.*

```pascal
{ ******** TI 99/4A PASCAL ******** }
{ Hey there!  Heard of FREEWARE...  This is
  MUCK-WARE!  Brought to you by the USUS
  and the BREA USERS GROUP TI 99/4A
  Pascal SIG. }

program Printer_Setup;
{ This program allows you to configure your
  printer.  Routines are set up to send control
  codes to the printer and also ask if you would
  like to see a sample printout of your selected
  print style.  This is EPSON compatible.  You
  will need to insert your own printer codes for
  other printers. }
{ Try it!  It works for me...The Muck }
{ Version 3.0  01-DEC-86 }

const  Esc      = 27;
       OutFile  = 'PRINTER:';

var  PrintOut  : text;   { Output file }
     Choice    : char;   { Selection var }

{ PROCEDURES that are used by the MAIN
  program }

   function Cap (Ch : char) : char;
   begin
      if (Ch >= 'a') and (Ch <= 'z') then
         Cap := chr (ord (Ch) - 32)
      else  Cap := Ch;
   end { Cap };

procedure ClearScreen;
{ Better if this procedure used ScreenOps }
begin
   { page (output); }
   { gotoxy (0, 0); }
   write (chr (26));   { Wyse 50 }
end { ClearScreen };

procedure Beep;
{ Rings the bell on the screen }
begin
   write (chr (7));
end { Beep };
```

```pascal
procedure Delay (N : integer);
{ Sets up a delay timer with variable input }
begin
   repeat
      N := N - 1;
   until N < 1
end { Delay };

procedure Flash;
{ Flash Warning on screen }
begin
   gotoxy (0, 0);
   write ('Please turn on the printer ');
   Delay (32000);
end { Flash };

{ The following PROCEDURES do all the work
  of sending the control codes to your printer.
  The printer control codes for LETTER
  QUALITY will put the EPSON printer into
  Italics mode. }

procedure Bell;
{ Sends control code to sound the bell on the
  printer }
begin
   write (PrintOut, chr (7));
end { Bell };

procedure Test;  { Sample printout }
begin
   writeln (PrintOut,
            'This is a test printout from the ');
   writeln (PrintOut,
   'MUCKPASCAL Printer_Setup program.');
   writeln (PrintOut);
   writeln (PrintOut,
   'ABCDEFGHIJKLMNOPQRSTUVWXYZ');
   writeln (PrintOut,
            'abcdefghijklmnopqrstuvwxyz');
   writeln (PrintOut,
            '0123456789!@#$%^&*()');
   writeln (PrintOut,
            '_+-={}[]`~;:""",./<>?\');
   writeln (PrintOut, '--- end of test ---');
end { Test };
```

```pascal
procedure ResetDefault;
begin
    { Cancels Wide print }
    write (PrintOut, chr (Esc), chr (87), chr (0));
    { Cancels Skip Perforation }
    write (PrintOut, chr (Esc), chr (79));
    { Cancels Bold print }
    write (PrintOut, chr (Esc), chr (70));
    { Cancels Double Strike mode }
    write (PrintOut, chr (Esc), chr (72));
    { Cancels Small Print }
    write (PrintOut, chr (Esc), chr (84));
    { Cancels Letter Quality mode }
    write (PrintOut, chr (Esc), chr (53));
    { Cancels Elite print }
    write (PrintOut, chr (Esc), chr (80));
    { Change line spacing to 1/6 inch }
    write (PrintOut, chr (Esc), chr (50));
    { Cancels Compressed print }
    write (PrintOut, chr (18));
    Bell;
end { ResetDefault };

procedure Letter_Quality;
{ Puts printer into letter quality mode (Italics for
  Epson printers) }
begin
    write (PrintOut, chr (Esc), chr (52));
    Bell;
end { Letter_Quality };

procedure Pref_Skip;
{ Skip over the perforation. Provides 1 inch skip
  after 60 lines of text at 6 lines per inch }
begin
    write (PrintOut, chr (Esc), chr (78), chr (6));
    Bell;
end { Pref_Skip };

procedure Elite;
{ Puts printer into Elite mode 12.5 cpi }
begin
    write (PrintOut, chr (Esc), chr (77));
    Bell;
end { Elite };

procedure Eight_LPI;
{ Sets up 8 lines per inch, line spacing at 1/8 inch }
begin
    write (PrintOut, chr (Esc), chr (48));
    Bell;
end { Eight_LPI };

procedure Compressed;
{ Puts printer into Compressed mode 16.7 cpi }
begin
    write (PrintOut, chr (15));
    Eight_LPI;
    Bell;
end { Compressed };

procedure Small_Print;
{ Small print uses the subscript character set with
  a line spacing of 7/72 inch. }
begin
    { Subscript }
    write (PrintOut, chr (Esc), chr (83), chr (1));
    { line spacing at 7/72 inch }
    write (PrintOut, chr (Esc), chr (49));
    Bell;
end { Small_Print };

procedure Tiny_Print;
{ Tiny print uses the subscript character set with
  a line spacing of 5/72 inch. }
begin
    { Subscript }
    write (PrintOut, chr (Esc), chr (83), chr (1));
    Compressed;
    { line spacing at 5/72" }
    write (PrintOut,
            chr (Esc), chr (51), chr (15));
    Bell;
end { Tiny_Print };

procedure Wide;
{ Sets up Double Wide mode }
begin
    write (PrintOut, chr (Esc), chr (87), chr (1));
    Bell;
end { Wide };

procedure Bold;
{ Puts printer into Bold print mode }
begin
    write (PrintOut, chr (Esc), chr (69));
    Bell;
end { Bold };

procedure Double_Strike;
{ Double strike text for extra darkness }
begin
    write (PrintOut, chr (Esc), chr (71));
    Bell;
end { Double_Strike };
```

```
begin { Printer_Setup }
  ClearScreen;
  writeln;                                              { 0 }
  writeln;                                              { 1 }
  writeln (' ***** Selections for Epson *********'); { 2 }
  writeln (' *                                 *');  { 3 }
  writeln (' * A - Letter Quality/Epson Italics *'); { 4 }
  writeln (' * B - Elite Print                 *');  { 5 }
  writeln (' * C - Compressed Print            *');  { 6 }
  writeln (' * D - Wide Print                  *');  { 7 }
  writeln (' * E - Small Print                 *');  { 8 }
  writeln (' * F - Tiny Print                  *');  { 9 }
  writeln (' * G - Emphasized (Bold) Print     *');  { 0 }
  writeln (' * H - Double Strike               *');  { 1 }
  writeln (' * I - Skip Perforation            *');  { 2 }
  writeln (' * J - Eight Lines Per Inch        *');  { 3 }
  writeln (' *                                 *');  { 4 }
  writeln (' * R - Reset Printer               *');  { 5 }
  writeln (' * T - Test print output           *');  { 6 }
  writeln (' *                                 *');  { 7 }
  writeln (' * Q - Quit Program                *');  { 8 }
  writeln (' *                                 *');  { 9 }
  writeln (' ******** MUCKPASCAL ********');          { 0 }
  Flash; { Flashes warning to turn on the printer on }
  rewrite (PrintOut, OutFile); { Opens file for printer }

  repeat { Sets up loop for input of selections }
    gotoxy (0, 0);
    write ('PRINTER SETUP: Choice --> ');
```

{ continued at top of next column }

```
    { Waits to read input from keyboard }
    read (Choice);
    Choice := Cap (Choice);

  { Following routines branch to
    selected procedures based on input
  }
    if Choice in
      ['A'..'J', 'Q', 'R', 'T'] then
      case Choice of
        'A' : Letter_Quality;
        'B' : Elite;
        'C' : Compressed;
        'D' : Wide;
        'E' : Small_Print;
        'F' : Tiny_Print;
        'G' : Bold;
        'H' : Double_Strike;
        'I' : Pref_Skip;
        'J' : Eight_LPI;
        'R' : ResetDefault;
        'T' : Test;
      end { cases }
    else  Beep;
  until Choice = 'Q';  { Ends loop
when "Q" is entered }

  close (PrintOut);
  ClearScreen;
end { Printer_Setup }.
```

1989 NewsLetter Publication Dates			
NewsLetter	Due date Code/Forms	Due date Articles	Due date short stuff
January 89	12/01/88	12/09/88	12/16/88
February 89	01/01/89	01/13/89	01/20/89
March 89	02/01/89	02/10/89	02/17/89
April 89	03/01/89	03/10/89	03/17/89
May/June 89	04/15/89	04/28/89	05/05/89
July/Aug 89	06/15/89	06/30/89	07/07/89
Sept/Oct 89	08/15/89	08/25/89	09/01/89
November 89	10/01/89	10/13/89	10/20/89
December 89	11/01/89	11/10/89	11/17/89

For those who need a renewal form, you can copy and use the renewal form on the next page.

USUS MEMBERSHIP RENEWAL

Please enter my USUS Membership for one year in the category checked below. (Check one only.)

USA, CANADA, MEXICO   INTERNATIONAL ‡

☐	Student †	$ 25.00	☐	Student †	$ 40.00
☐	General	$ 35.00	☐	General	$ 50.00
☐	Professional	$ 100.00	☐	Professional	$ 115.00

† Please include proof of current enrollment   ‡ Includes $15 surcharge for special handling.

<u>REQUIRED INFORMATION</u>   ( ) = Maximum number of characters

First Name _____ (15)

Last Name _____ (20)

Address line 1 _____ (25)

Address line 2 (optional) _____ (25)

City _____ (25) State/Province _____ (4)

Postal.Code _____(10) Country _____ (15)

What one computer do you use MOST with the p-System _____ (15)

Signature _____

<u>OPTIONAL INFORMATION</u>

Home Phone _____ (19)

Work/modem Phone _____ (19)

Email Service _____ (10) Email Address _____ (10)

Company _____ (30)

A <u>check</u> or <u>money order</u> (drawn on a U.S. bank or office in U.S. dollars) in the amount of the membership category selected above must be made payable to "USUS, Incorporated" and mailed with this signed application to:

<u>USUS, Incorporated, P.O. Box 1148, La Jolla, CA 92038, USA.</u>

<November 88>

USUS NewsLetter

William D. Smith, Editor
Sam'l Bassett, Editor Emeritus

NOTE: The USUS Administrator, who handles almost all of our business, and especially new memberships and renewals, is Hays Busch. He can be reached at the USUS address in La Jolla, or at 2193 Montane Drive East, Golden, CO 80401-9125; (303) 526-0057.

Next NewsLetter coming December
January 89 NewsLetter articles due by December 9th, 1988

**USUS
P.O BOX 1148
LA JOLLA, CA 92038**

ADDRESS CORRECTION REQUESTED