##  <br> 





| ( UPCOMING MEETING: | : THURSDAY, Mệ 8, 1990 7:30 po |
| :---: | :---: |
| $i$ | TRINITY [1:-ETAN CHURCH |
| * | 1415 S Holland |
| 1 | Springfield, MO |
| Springield, |  |
| \% | Next month's meeting will be |
| t | April 17 (3rd Thurs) |
| \% |  |
| $\dagger$ |  |
| * MARCH PROGRAM: DA | DAVID BRINLEY will demo a TI |
| $1$ | mouse with several progras, and |
| $w i$ | will demo for us SNAPCALC which |
| $p r$ | previewed for us last month. |
| $\underline{I}$ | C' AND PIPER will demo a terrifict |
| $\boldsymbol{u}$ | "," collection with something fort |
| eve | everybody. And with luck, we'll |
| he | hear monder ful tales from FEST- |
| WE! | WEST from Charles roberts. |
| * MEMEERSHIP DUES: |  |
|  | TIME TO REUP for 1990-\$15 per |
|  | family. New memberships only |
|  | wili ue prorateú at \$1.25 per |
|  | month. bues may be paid to |
| $i$ | Don Barr before the meeting or |
|  | mailed to the ML address. The |
|  | April NL will be sent only to |
| $i$ | paid-up nembers. |
| $\star$ |  |
| - HUGS AND ROSES TO: HENRY and TOM BEERSMAN for us-* |  |
| ${ }^{4}$ ( | ing their talents and handi- |
|  | work to create a magnificent |
| $\ddagger$ | cabinet on rollers so the clubl |
| i | systen can he easily set up. |
|  | TOM BINGAMEAN, BILL BERENTTS, |
| $\ddagger$ |  |
| $\%$ | FGMrin BrUNDFIDGE for wrating |
| $i$ | ano oraming. All the members |
| $i$ | who gathered up an armiond of |
| ; | 'h: l gs to help with tife sove. |
|  | 3F OSTERLOH for NL assistance |
| 1 - 3 | so you could all get this a |
| $t$ | before meeting date. |
|  |  |
|  |  |

##  

Meeting called to order by Pres. Finney at 7:30 Ph. with 26 menbers and guests present.
ix: RETARY : Minutes of Jan meeting app'd as read.
iaLASURER : Barr reported Jan 11 bal. of $\$ 196.53$; Income of $\$ 312.50$; Expense of $\$ 64.79$; Feb. Bth operating bal. of $\$ 444.24$. Berendts/Brinley, carried.

NEHSLETTER: Mary read letter fron Earl Raguse with comments on TIPS and PICASSO software. zlip had rec'd a $\$ 10$ check from NW FL UG, Pensacola for 178 Fi embership
and NL, MN UG change of NL name to "99 Tiaes Better".
LIBRARY: Piper explained current DOM. Micropendiue progra disks available.
OLD BUS: CR reported ZENOBOARD should be running soon.
Curtis announced next month's eeeting at the TRINITY LUTHERAN CHURCH corner of Bennett Holland. He passed out copies of ap and directions to site.

BASIC prograning class will start at 7:00 PM sharp. Read "Beginning BASIC"-pages 20-25; "User's Guioe Section 11, pages 16-29.
Rinehart/Hoyt $/ \mathrm{s}$. Group sell one-tine supply of used disks at 10 for $\$ 3.00$ as long as supply lasts.

Curtis again expressed thanks to Dick Hoist and last year's officer group. He introduced Bob Dsterlow who is responsible for the ©GM, and kudos to Tom Bingaman for his downloads and B8s reports in the NL.

Von Barker to provide a supply of NLs for Roberts to trade at II FestWest in Tucson.
NEW BUS : April meeting will convene on the Jrd Thursday. (One time only)

Max Porter suggested delay of Ass'y language SIG until the BASIC SIG is over.
Curtis commented on uses of VCR equipment for demos and wili provide scheatics-nook ups, etc.

Glen Greer will wake coffee next month.
TRITON has TI Extended Basic cartridge and Manual for $\$ 30$. When these are gone, there will be ND MORE.

Curtis opened discussion on our group sponsoring a "SUAP-SHOP" COMPUTER FEST with all area UG's invited to to participate. Max Porter/Bill Berendts organization and how-to comittee.

Rinehart read a letter from "COAPUTER BUYER'S EUIDE" explaining that they intend to print regular feature articles on the orphan achines including il 99/4A. They are shipping enough free copies to distribute to each UG member.

SPECIAL THANKS were extended to the Beersman duo for the design, construction and donation of a fancy new METAL rack for the UG computer, PBox and Monitor. GREAT juE! Frogran : Curis teno outh. Brinitey described SNAP-CALC". Good show!
Adjourn : 9:10 PM. Rsspectfully, C. R. Rinehart, Sec'y.


#  <br> <br> 1 <br> <br> 1 <br> <br> From the President's Console <br> <br> From the President's Console <br> <br>  

 <br> <br> }

MTHAR NE, CALL CLEAR, IET, RHL SOUND CALL ULHAR CALL (TJETr), FCTN 1 (DELT: FE: FCTN 4' (CLEAR) BREAKPOINT AT, CNT:NUE, FCTN 3 -QESE, SPACF BAR, BREAK STOP END Aimpic CONSTANT, G:Fivi I NG:ANT, VARIARIES NJMERIC InCRION. RELATICAEL EXF: SSION, STF:NE EXPRESSINN,  NEMPT, PITS HESNCE.

For those of you involved in the BASIC class this list represents the words we will be defining and using at 7:p Thursday night. For the rest of you it's not too late to start. If you choose not to participate in the class you are still welcome to come early and visit.

Because of your suggestions our users group has begun a BASIC class and started the ball rolling on an all computer swap aeet. It doesn't have to stop there. If you have an idea for a project, demonstration, or whatever, just yell it out, say it at the meting, call up an officer, or put it on the II Depot 885 417-865-0810 (blatant plug). Put your thinking caps on, get excited, and join your friends this Thursday night for another fun-filled action-packed adventure, with the biggest little computer in the world.

Curtis (Gettin' Excited) Finney

## 



## 

Isn't it EXCITING!!!! A new meeting place!!! And new -i: Ition goings on!!! Plans for a MIDWEST-FEST!!! m: : : : New hardware!!! Terrific new software, sone of the best we've every had!!! New Bulletin Boar os!!! New magazine coverage by Computer Buyer's Guide!!! New friends made in other user groups!!!

Today in the paper there was an article about Apple's ordeals and how the IIc is obsolete, and if the try to compete by coning out with a smaller, cheaper, more powerful Mac Intosh, they won't sell the big expensive ones, lawsuits, ... etc. AREN'T WE LUCKY to have been able to achieve and continue to achieve such in:cilicant things with our little (ha-ha) Il's, BEC:노 there wasn't a newer model to come out and kill us. We've got a Fine machine and innovative progra mers and electronics buffs who just keef refining and improving our software and hardmare. I' 50 proud!!!

Extra hugs and roses to fichi:EL ASCENAS, CHARLES HILLEY, of TICD, and MARTY of NGE: H:SAST 99'ERS for articles.
Mary Phillips, Editor〉

## 

## ttt TI BBS in Springfield, MD. ttt itt by Tom Bingaan at tat <br> 

We are having big changes in the Tl world in Springfield. The 11 Depot is changing software to work better with the 1 meg ran card and we have a new BBS that supports the TI and IBH clone users. Bob Osterloh has opened up his board on a linited basis to all and he has a lot to offer eveyone. His main reason is to give us more roon for up-loads and down-loads as Curtis has only so much rooe and it was being used up very fast.

OLARK 99ER USERS GROUP 1990 DFFICERS:


## LIBRARY/DOM DISK ORDER FORM DATE

NAME

DISK NAME $\qquad$
$\qquad$
$\qquad$

NUHBER OF DISKS $\qquad$ 2 $\$ 2 \mathrm{EACH}$
$\$$

On the II PC FILE CONNECTION there are about $750 k$ of downloaded files from Genie and are almost all archived, This is a very large selection for all. These prograns have not all been tested locally, but have an awful good track record. He also has a very good clone selection on it. The hours are 10:30 pm tili 5 pm on weekdays and from 10:30 pa till 8 an on weekends. Please take note of these hours so we can be of help to Bob and keep this great service for our needs. Curtis has a few bugs that he will iron out in about a neek. Give hin all the help on the Depot with anything that doesn't work quite right. Please give hia detailed information if passible.

I did see that we now have a linited string replacement in messages on the Depot. The only drawback is, if the new replacement is larger, it could push words off the end of the line. We still have the limit on word wrap of 25 characters , inen you must (enter) to input sore.
Please call both of these fine BBSs and tell them thanks by using then. The real winner is the user and it's all free! Tlll next oonth, have a great month of computing.

$$
\left.\begin{array}{cc}
(00 \\
1+1 \\
V
\end{array}\right) T O K
$$

use all we can get. The depot has a new nenu and some nem features so if you like to learn, then give it a call. The file listings are nem and different, 50 I will not have the in this month as the (readee) list is not up-dated yet.

## 

## BILL'S HANDY HINTS <br> 

Paper, printer, loading problens? Try this to ake things easier. Buy an AKARAY printer stand, (SAK'S HHOLESALE CLUB used to have the for about $\$ 9.00$ ) and a desktop letter tray. After assembling the printer stand and placing your printer on it, fill your letter tray almost full with printer paper and place under the printer between the legs of the stand and feed the paper to the printer.

When you need more paper, pull out the tray, refill and reinsert it. The system will pesenble and act as if it is using cartridges of paper. Keep the rest of your paper in its original box for clean storage.

## 

Store your hard copies of progran documents in DATA BINDERS and tape a disk jacket to the inside of the binder to hold a back-up disk of the progran. If you have several prograns pertaining to sinilar subjects, you can store the in the same binder, separating the docunents with plain sheets of paper with identifying tabs affixed. Label each binder with the contents and store within easy reach for times of needed reference.

## 

Use slotted shelf standards and shelf brackets to make handy file hangers in your computer work area. If you have a similar syste to provide shelves above your built in computer mork apea, they can be incorporated in the same systen.

## 

Worried about the environeent and tired of the damage done by oil spills, broken pipes, disposal of old, used lubricants?
You can help diainish some of thase problems and azke this country oore independant from foreign oil producers by switching to the use of SYNTHETIC LUBRICANTS in your vehicles. Several synthetic engine oils are on the market. Probably the best, and certainly the one with the largest selection of synthetic lubricants to fit the needs of aloost the entire autonotive industry is AMSOIL, INC. See a dealer for further information.

## 

## 

* RECIPE HRITER/GOURMET CORNER

DATMEAL SANDWICH COOKIES
350 deg
OATMEAL, COOKIES, FILLED COOKIES

FILLING

1. C. finely chopped dates
2. C. raisins
. 5 C. each: dark corn syrup \& boiling water
1 C. - -r.eped walnuts
DO:?
2 C. tiour
2 C. uncooked quick oats
1 tsp each: baking powder \& salt
.5 tsp each: creal of tartar \& baking soda
1 C. butter or argerine, softened
1 C. packed brown sugar
2 eggs
.5 C. sour crean
20
In small saucepan, cook dates, raisins, corn syrup \& water 'til mixture reaches consistency of jan. Renove from heat, stir in walnuts \& allow to cool.
Mix together flour, oats, baking powder salt, crea of tartar a soda. Set aside
In large bowl, creas butter, sugar and
eggs. Blend in suui craam. Stip in
flour ixture'til well blended. Spread 1/2 the dough in well greased \& floured
$13 \times 9 \times 2$ inch baking pan. Evenly spread on filling. Spread remaining dough
evenly on top. Bake 25 inutes or 'til well browned. Cool in pan on rack. Cut into 36 bars.

NUTRITION: Per bar: 200 calories, 3 gra protein, 28 grn carbohydrate, 9 gri fat 34 mg cholesterol with butter, lo ngm
-ragetergl mith margerine.
$\therefore \therefore \mathrm{AC}$ COOKIES
350 deg

ROSY ROCK, TOMATO, COOKIES,
13
1.75 C. flour
1.33 C. sugar

1 tsp baking powder
.5 tsp baking soda
2 tsp cinnamon
1 tsp allspice
1 C. butter or margerine (softened)
1 egg
1 can (10.75 oz) condensed tomato soup (undiluted)
2.5 C. uncooked quick oats

1 C . each seedloss raising a chupped walnuts
18
In large bowl, nix flour, sugar, baking powder, soda, cinnamon a allspice. Add
butter, egg soup. Beat e mediul speed
for 2 inutes, constantly scraping side and botton of bowl. Stir in oats, raisins and walnuts.
Drop by rounded teaspoonfuls 1-1/2"
apart on greased cookie sheets. Bake 12
-15 minutes or until lightly browned.
Renove to rack to cool.
YIELD: 84 cookies
NUTRITION: 68 calories, 1 grae protein, 9 grans carbohydrate, 3 grans fat, 10 ng cholesterol with butter, 3 mg choles terol with argerine---per cookie.

Editor's note: A special hug goes to BILL BERENDTG for uploading this file to ue twice.

##  iti UISDOH LINES by Charles Hilley tit tat^^^^T.I. Club of Oxnard, CA. ^^^^ati <br> 

MULIIPLAN TUTORIAL<br>VI. Chapter Three - Entering Formulas. (continued)

H. Building A Formula,

1. This is the way to carry out calculations from "Point $A$ to Point $\mathrm{B}^{\mathrm{B}}$. First, to keep things simple, use the practice file, SPENCER, as we did in the previous sessions. Next, think on how to arrive at the final result, and in this case, work backwards.
2. Refer to pages 47 and 48 in the Multiplan wanual to follow along. I will use the example given, and elabarate on it.
3. Example:
"Tatal Costs" equals
"Material", "Labor", and
"Overhead".
4. Look at the illustration on page 4B. Total Costs is located on Row 10 - Column 2, Material is located on Row 6 - Column 2, Labar is found at

$$
\text { Row } 7 \text { - Column 2, and }
$$

Overhead is found at Row 8 -
Colunn 2.
a. The disse: "-n, ARE NOT

MINUS $::-11$
5. Writing The Forsula:
a. Total Costs is written
like this: R10C2
b. Material $=R(-4) C$

1. The " -4 " represents how many cells the Material cell is from the answer, which is Total Costs.
c. Labor $=\mathrm{R}(-3) \mathrm{C}$
d. Overhead $=$ R(-2)C
2. Procedure:
a. Write the formula like this:
3. RIOC2 $=R(-4) C+R(-3) C$ $+R(-2) C$.
4. This is a total of seven parts, which includes the operation signs. The best way to write a fornula, in Multiplan, is to start from the outernost cell and work in. This is the wost efficient way for Multiplan to calculate.
I. REVIEHING OR CHANGING A FORMULA
5. To change a formula, place the cell pointer on the cell that needs nodification, and
use the (E) dit comand to bring the foraula onto the comand line. Use the following keys to make the appropriate changes:

CHARACTER FORUARD (CTRL 4)
CHARACTER BACK (FCTN 4)
a. Use either of these keys in roniunction with the BAC: ETAE (FCTN 9) key.
b. CHATi- TER FORHARD moves the edit cursor one character to the right; CHARACTER BACK moves the edit cursor one character to the left.
J. THE STATUS LINE: CELL CONTENTS

1. Use the (E)dit command to view the formula in question, if its too long, so you can see the whole formula on the screen.
2. The purpose of the status line is to display the contents found in the active cell where the cell pointer is).
K. DRAMING LINES
3. Use the $(A) l$ pha key to insert dashes.
4. If (V)alue is executed, the dash symbol mould be interpreted as a MINUS sign in a formula. Use CANCEL (CTRL C) to start over.

Please practice these new commands, and either use the practice file or create your own. Next tine, I'll discuss the naning of cells and copying. So until then, Good Luck!!

## 






| READ ME FILE FOR DOH/3/90 |  |
| :---: | :---: |
| ANTHEM | XB Star Spangled Banner tune. |
| $\begin{aligned} & \text { ERNER } \\ & \text { E:S? } \end{aligned}$ | XB Banner Printer prog. |
|  | XB Birdbrain gane. <br> Using keyboard ' $Q$ ' |
|  | makes bird, go up |
|  | 'S' and 'D' to side. |
|  | Catch the fish with- |
|  | out falling in water |
| $\begin{aligned} & \text { CLOHNS } \\ & \text { LOAD } \end{aligned}$ | Extended Basic gase. |
|  | XB Load progran for Rediskit Copier prg. |
| LTiminit Lif:t | Corcomp loader. |
|  | T.I. loader. |
| PLAYAAIREC:- | T.l.Artist Picture. |
|  | Dacs. for Rediskit. |
|  | Corcoap Rediskit prg |
| PITSKTI | T. I. Rediskit prg. |
|  | T.I. Artist instance |
|  | XB Spread sheet progran |
| WHLIW!! ${ }^{\text {d }}$ | XB Church in the Wild- |
|  | wood tune. |

## ** ! RANDISKS 12 * MARTY'S MIND DUMP (MorthCoast 99er's, 01/16/88) 

SECTION 2 EIDIT your ROS and MENU screens.

You should still be looking at SCREEN SEVEN, and the computer is waiting for you to decide what to do. This a good tise for a quick explanation of what you are looking at. This is the CALL section of your ROS. "What's that?". "OK it's this". If you enter the nane of a progra in this section and place a copy of that progras on your RAMDISK, when you type CALL followed by the progran name, the progran will autonatically load and run. This is a wonderful utility to have. To have success with the utility, there are a few itens you must understand and remenber. First, the progran nane, which you can type into any of the 9 available positions under the NAME heading, can be from 1 to 5 letters in length. The name must exactly nateh the name of the progra you are calling from the RAMDÎ̉k. There are also several variations to this setup. Look at the SCREEN SEVEN display on the previous page. The MENU progran is at the lop leftrast posil. un if the tane calues: The number to its left is 4 . This means to call MENU you need to use all four letters of the progran's nane, which would be "CALL MENU". However the pragran LDAD has a 2 in the Len colume. Therefore, you would type "CALL LO" to run the LDADA progran. Do not type the quotation marks. The ided is this. You can use all 5 letters for the progran's name on the disk. This will nake the name more distinguishable when you catalog the disk. You can, however, place a 1 or 2 in the Len colum next to the nane. Doing so tells the system that you will only use that nueber of letters when calling the progran. This will cut down on the typing you must do to run your heavily used prograns. CAUTION, don't confuse yourself or the computer. For exaple, if hemb and MGR both used 1 letter in the call CLAL: N) the computer wouldn't know which prograt to run. Here's something else to remenber that's very important. You nust have the proper cartridge in the console for the progra you are loading to run properly. The MENU progran will load and run fron console BASIC. However, if you call an Extended Basic progran, and the xa cartridge is not plugged into your console, you will get an error. The situation is different with many assembly language prograns. Most of the prograns I an partial to will run using console BASIC, such as DH-1000 and several other utilities. "Alright enough talk. let's edit. "If you press "E" while in SCREEN SEVEN, the cursor will jump to the upper left columen over the nueber 4. You can change this number to anything from 1 to 5 or press EutER to leave it unchanged and juer right to the WAME colume thila in the Name coluan you can type dly progran nane you wish to use. The entry will appear in upper case whether you use the shift key or not. Pressing ENTER will aove you to the Len coluan on the next line down. If you need to change a previous entry, the UP and DOWN arrows are active. For a moment, use the FCTN arrow and ENTER keys to roa around this screen and see how they work. You won't do any damage, and if you do, you can retype and correct it. After all that's what this is for. While getting accustomed to the Editor, type in any progran you think you ay be using and the nuaber of characters you will use for the calls. Start adding our progran by typing over U4TIL. The three nases in he left coluan should readin 4 MENU, 2 MGR1 and 3 CFG. These will allow yu to load the Menu, DH-1000, and this configuration progran. Write any names you use on a piece of paper. This will aid you if a progran's nase uust be changed after you copy it to the disk and you have forgotten what you typed in the ROS. The last thing you need to do is change the POWER ON? 'Y" to an "N', if necessary. Just keep pressing ENTER and you will keep going through every option on the screen. When you get to POWER $3 \mathrm{M}^{\prime}$, press "N" to nake the change. To get out of the EDITOR and save our
changes, press FCTM 9. Nom press " $Q$ " to quit the CFG progran and you'll be back in Extended Basic.

Now press FCTN QUIT to restart the II. Select 2 again for Extended Basic and let the load progran in drive one bring up SCREEN ONE again. This time, select nuaber 2 to load Dh-1000. 'I an still referring to V7.3". Use the file copy option to copy MENU, GFG MGR1, and MGR2 to your RAMDIEX which should be drive 5 at this tiee. (A), while on any MENU SCREEN will acll MGR and load DH-1000. Now that you have completed these tasks you finally have things on your kos that are useable. Take the RAMOP disk out of drive 1 and store it for now. Quit DH-1000 and select BASIC or EXTENDED BASIC, either will work. Now type CALL MGR and hopefully DH-1000 will load. If it does load, you will notice that it took less time than ever before. If it doesn't load, try CALL CFE or CALL MENU. If nothing works, you nay have to retrace your steps and look for the prablea. If you were successful, quit whateyer you managed to load and load the MENU prograa (CALL MENU). When it loads you will see SCREEN FOUR. This is the first MENU screen. If you press the spacebar once, you will see the second AENU screen; and pressing it once oore will display Mexit three, wich I represent with SCREEN SIX. You will notice that it has the options we previously editad with the Configuration progran. Pressing the spacebar again will take you back to MENU screen one. Option 1 will catalog a disk for you, Option 2 will display a file, and option 3 will run a progran. Because this is about EDITING, I' going to jump past these to the selections narked (Your Option). This is where you place the prograns you want to run From the MENU screen by pressing that number selection. My representation of wat you are looking at is SCRFEH FOUR. If you press FCTN 5 you will juip to SCREEN $:$ :is and the cursor will be over the "y" in Your Option 1. You can now type in the nage off any progra you want to run by pressing 4 from this screen. You can use any characters, and uppercase and lowercase are also available. After typing in a naee you will recognize, you can press ENTER or FCIN arrom down to the next line. The cursor will juap to the sterisk (1) in DSKt.PROGRAM?. The naee must exactly atch the progran's nane, and follom normal nane etiquette lall uppercase, etc.). After entering as many names as you'd like, press FCTH 9 and the following nessage will appear. "Press Back to Abort, any other to Save." FCTN 3hik will not save your modifications, but you will still see the changes on the screen. In order to return to the pre-edited screen, you will have to quit the progran and do another CALL MENU and the old screen will reappear. Pressing any other key will cause your changes to be saved until you modify the again later. -iuges suanethim tu renenter. You can oniy modify one MENII screen di a tine. If you modify SCREEN ONE, you must use FCTN 9 to get ont and save your changes. You can then press the spacebar to get to the second screen and press FCTN 5 to start editing that screen. "Note" IOU cannot edit SCREEN THREE in this manner. To edit EREEN THREE you aust either do a CALL CFG, or while in SCFEEN THREE, press the number wich selects the CFG progran. You would then be back in the part of the progran 1 previously discussed as editing your ROS. With what you have learned here and sone help fro the DOCS7.3 you should be able to start using the MENU systen. l'Il try to get to sone tips and tricks next month. 6000 LUCK. HARTY.


The Asgard Mouse, by Michael Maksimik, is a high-quality, solidly-constructed 3 -button mouse compatible with both the Tl-99/4A and the Myarc Geneve 9640. Easy to install, this mouse is a must for the next generation of Tl and Geneve software. This capable critter includes software for using it with TI-Artist and TIArtist Plus, and for interiacing it to your Extended BASIC and Assembly programs. Comparable to mouse systems costing twice as much! Requires disk system, 32K and RS232. Fully guaranteed
and warranted Get yours RS232. Fully guaranteed
and warranted Get yours today!

# Suggested Retail 




DISK 2

FILENAME TYPE DESCRIPIION

| Theme | 部 | Flay the and displays grathics of harseg dind flying tirds． |
| :---: | :---: | :---: |
| BEWITCHED | ${ }^{8} 8$ | Music of bemitched， bathered，a bemildered |
| INCLARRY | XB | Ten of Uncle Larry＇s |
|  |  | favorite fiddle tunes． |
| BACHMINI | B | Minut in $\overline{6}$ minor，musette in D，\＆little prelude |
| ALLEYCAT | $\theta$ | ln F ¢ Plays the tune Alley cat |
|  |  | with graphic of cat． |
| TIORGAN | 8 | Play the keyboard and |
| KILLME | X | see note you＇re playing． Kill me saftly with good |
|  |  | graphics． |
| MUSICKEY | B | generate melodies with |
|  |  | this program． |
| ENTERTAIN | B | Plays the Scott Joplin |
|  |  | tune entertainer． |
| TEXFLAG | 8 | Texas state flag mith |
|  |  | sung and graphics． |
| WYOMFLAG | B | Hyoming state flag ksong |
| SHEETHEART | B | Let ne call you |
|  |  | sweetheart，tune． |

DISK 3

FILENAME TYPE DESCRIPTION

| Pl．aypiand | X 8 | Plays melodies and shows keys of piano for two Beatles tunes． |
| :---: | :---: | :---: |
| SNOOPY | XB | Plays Noel，with graphics |
| STARTREK | B | Startrek theme，no graphics |
| musicmak | $B$ | Produce your own music |
| WUSICMAG | K | projected on a scale． Electronic sheet music |
|  |  | Compose your ann sangs． |
| MUSASSEA | 8 | Mini Memory Assemble your |
| MASH |  | own music．Save，or play． <br> Plays theme fro Mash． |
| MOONLIGHT | $\times 8$ | One of Ludwig＇s most |
|  | K8 | famous mork． |

D068006
RAINBOH

XB Music and graphics by San noore．
XB Theme fron the suppet movie of same name．

DISK 4

FILENAME TYPE DESCRIPTION

| WES ${ }^{\text {S }}$ STS | XB | Really swings，by S．Moore |
| :---: | :---: | :---: |
| BDAT＇SINT： | XB | ＇oneti an bat song by |
| MAINGCREN | $\underline{18}$ |  |
| A！？！MLEAF | XB | Music and graphics． |
| ：$\because$－＂${ }^{\text {E }}$ | X | Music and graphics． |
| DuULicomp | 日 | Plays a song． |
| INTHEMILL | XB | Music and graphics by Earnest billet． |
| NATIONALA | B | Star bangled banner，music and flag graphic．r |
| GNBOU | \％ | Somewhere over the rainbow |
| ：：PYTOUN | X | Great ausic and graphics |
| TUMBMEED | X | The western tune． |
| DANCSTICK | B | Plays Yankee Doodle while Stickadn dances． |
| bellmusic | $X 8$ | fusic by Ji Peterson． |
| COMPOSER | $B$ | Tigerbub composer by Jin Peterson．Short and smeet． |
| soundoemo | 8 | Demos varinus sounds． |
| JINGEEL．L | 8 | Christmas 50ng program by Craig Miller． |
| LONOTEHR | 日 | Low note demo of the |
|  |  | chromatic scale． |
| Lonotrre | 8 | Demo of how to make |
| LINOTHAR | 8 | frequency notes． <br> Demo of low not harmany． |
| Alttomusic | B | Automatic music hy die |
| MUSICSCAL | ${ }^{6}$ | Peterson． <br> Demo the qusic scale，by <br> Chris Slenkar |

DISK 5

FILENAME TYPE DESCRIPTION

GODFATH 8 Theme from the motion picture．
VIENNA 8 Tales from the vianna moods in classical．
PENNY 8 Penny Lane，Beatles
tune，no graphics．
MORNING XB Music marning has broken Excellant oraphics．
SMELLROS XB Music of stop and smell the rosos along the way．
SUNGLASS $X B$ The greatest sunglasses， or the swinging shepherd blues，graphics．
SHEETHAERT 8 Let me call you sweetheart with excellant graphics．
SWEETTREE 8 The sweetheart tree with initails caryed in tree．
IHROUYOU B Song I＇looking through you．No graphics．
tirit B Guitar tuning progran．
1 －．abiluN x8 The old guitar and banjo favarite．Foggy Mountain Breakdown．
PIANO $\quad X B$ Beethoven melodies played
Musicbox xb on player piano，graphics
x Music box dancer tune No graphics．

DISK 6

FILENAME TYPE DESCRIPTIDN



