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HOPE THIS MONTH FINDS ALL OF YOU WELL AND BLESSED. LETS CONTINUE OUR STUDY OF EPHESIANS CHAPTER ONE -

¹¹ IN HIM, ACCORDING TO THE PURPOSE OF HIM WHO ACCOMPLISHES ALL THINGS ACCORDING TO THE COUNSEL OF HIS WILL, ¹² WE WHO FIRST HOPED IN CHRIST HAVE BEEN DESTINED AND APPOINTED TO LIVE FOR THE PRAISE OF HIS GLORY.

THESE TWO VERSES SPEAK OF GOD'S CALLING ON THE LIVES OF THE APOSTLES AND THE FACT THAT THROUGH THEIR HOPE IN JESUS THEY LIVE FOR THE SOLE PURPOSE OF PRAISING HIM AND SPREADING THE GOSPEL OF THE LORD JESUS CHRIST TO MANKIND.

¹³ IN HIM YOU ALSO, WHO HAVE HEARD THE WORD OF TRUTH, THE GOSPEL OF YOUR SALVATION, AND HAVE BELIEVED IN HIM, WERE SEALED WITH THE PROMISED HOLY SPIRIT, ¹⁴ WHICH IS THE GUARANTEE OF OUR INHERITANCE UNTIL WE ACQUIRE POSSESSION OF IT, TO THE PRAISE OF HIS GLORY.

VERSE 13 STATES THAT WE ALSO, WHO HAVE HEARD THE WORD OF TRUTH WHICH IS THE GOSPEL OF SALVATION.... A SEEMINGLY OBVIOUS FACT IS STATED HERE THAT I WOULD LIKE TO EMPHASIZE - THAT YOU MUST HEAR THE GOSPEL AS A FIRST STEP TOWARDS SALVATION. IN OTHER WORDS OPEN YOURSELF UP AND LISTEN TO WHAT GOD HAS TO SAY TO YOU - GIVE THIS SOME OF YOUR PRECIOUS TIME. ALL OF US HAVE TO BE HECTIC OF A SCHEDULE AND OFTENTIMES DON'T MAKE TIME FOR THE REAL PRIORITIES IN OUR LIFE. FINDING OUT THE REAL TRUTH SHOULD BE THE NUMBER ONE PRIORITY WE ALL HAVE. OUR TIME ON THIS EARTH IS SHORT COMPARED TO ETERNITY - WE NEED TO MAKE SURE THAT WE HAVE SECURED OUR SALVATION BEFORE WE GO ON TO ETERNITY. PLEASE OPEN YOUR EYES TO THIS AND SEARCH OUT GOD BECAUSE HE IS WAITING FOR YOU ALL THE TIME. MY GOAL IS TO GIVE YOU THE OPPORTUNITY TO HEAR WHAT GOD HAS TO SAY THROUGH THIS ARTICLE AND THE VOICE MAGAZINE - PLEASE DON'T PASS THIS BY. IT'S VERY IMPORTANT TO NOTE THAT VERSE 13 REFERS TO THE "WORD OF TRUTH". THIS TRUTH IS NOT A PARTICULAR PHILOSOPHY THAT SOMEONE DREAMED UP BUT THE TRUTH FROM THE GOD WHO CREATED THE UNIVERSE AND MANKIND. CHRISTIANITY IS DISTINGUISHED FROM A THEOLOGICAL PHILOSOPHY BY THE FACT THAT GOD IS A PERSONAL GOD WHO WAS MANIFESTED IN THE FLESH TO RECONCILE MANKIND BACK TO HIM. JESUS CAME TO REVEAL GOD TO US, A LOVING GOD WHO WANTED TO SAVE US AND HEAL US TO THE END OF SACRIFICING HIMSELF FOR US. JESUS DIED AND WAS RAISED TO SHOW US THAT LIFE IS ETERNAL IF WE BELIEVE IN HIM - WHAT OTHER RELIGION CAN MAKE THAT CLAIM? VERSE 13 STATES THAT IN ADDITION

SAYS I HAVE AN OPEN MIND AT LEAST ONCE A YEAR !) TO GOD'S WORD IN THE BIBLE, I FOUND THAT GOD HELPED ME TO SEE THAT IS WAS THE TRUTH AND TO BELIEVE IT. THE KEY IS TO OPEN YOUR MIND TO HEAR IT AND ASK GOD TO REVEAL TRUTH TO YOU. THE BIBLE IS GOD'S MECHANISM TO SPEAK TO US - ALL WE HAVE TO DO IS LISTEN.

VERSE 14 GOES ON TO SAY THAT ONCE WE HAVE HEARD AND THEN BELIEVED, THE PROMISE THAT CHRISTIANITY PROVIDES (ETERNAL LIFE IN HEAVEN, BLESSINGS HERE ON EARTH, ETC.) IS SEALED BY THE HOLY SPIRIT AS A GUARANTEE. I LIKEN THIS TO BEING LEGALLY NOTIFIED THAT WE HAVE RECEIVED AN INHERITANCE OF \$1,000,000.00 AND EVEN GIVEN A CHECK - WE KNOW THAT WE HAVE IT (THE HOLY SPIRIT OF GOD TELLS US AND REASSURES US THAT WE HAVE SALVATION AND BLESSINGS ONCE WE BELIEVE IN JESUS) BUT UNTIL WE GET THE CASH WE HAVE NO TANGIBLE ASSURANCE THAT IT IS THERE. WE HAVE FAITH THAT WE "HAVE IT" VIA THE CHECK - JUST LIKE WE HAVE FAITH THAT WE HAVE SALVATION UNTIL WE GET TO HEAVEN. SOMETIMES WE HAVE MORE FAITH IN EARTHLY THINGS THEN IN GOD - I KNOW THAT I CAN COUNT ON GOD FOR HIS PROMISES, WHEN I CAN'T COUNT ON STABILITY IN THE ECONOMY !

GOD BLESS YOU ALL.

Lyle Marschand

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NIAD NEWS

. SOME OF YOU HAVE SUGGESTED WE START A "BEGINNERS WORKSHOP" GEARED FOR THE NOVICE - WE WILL INCLUDE THIS BEGINNING IN OUR OCTOBER ISSUE. SEE OUR CLINIC SECTION IN THE BASIC AND CPM WORKSHOPS THIS MONTH.

. THE AUGUST ISSUE WAS MAILED ON 8/24 AND ONLY THE LORD KNOWS WHAT HAPPENED FROM THERE ! MANY OF YOU HAVE CALLED OR WRITTEN SAYING YOU DID NOT RECEIVE IT. I HAVE TO THINK THAT THERE WAS SOME PROBLEM AT THE POST OFFICE AT MY END, I APOLOGIZE FOR THE DELAY AND WILL SEND REPLACEMENT COPIES TO THOSE WHO DID NOT RECEIVE IT.

. THE NUMBER OF ORDERS FOR THE TRACTOR FEED HAS BEEN SUCH THAT THE MANUFACTURER (DATA BACKUP) IS RUNNING A LITTLE BEHIND ON PRODUCTION. PLEASE BE PATIENT, ORDERS ARE BEING FILLED AS FAST AS POSSIBLE.

. I AM HAPPY TO ANNOUNCE THE FIRST NIAD SOFTWARE TITLE - SMARTGAMES PACK WRITTEN BY OUR OWN BOB LENNES. IT CONTAINS 3 HIGH QUALITY GAMES FOR A NIAD PRICE OF ONLY \$ 9.95 IN DISK AND \$ 11.95 ON DDP - SEE OUR REVIEW THIS ISSUE.

. CPM BASIC IS HERE FOR THE ADAM. NIAD HAS CONFIGURED THE POWERFUL NEVADA BASIC FOR THE ADAM. THIS BASIC IS THE EQUAL OF MICROSOFT BASIC BUT FOR ONLY \$ 39.95 !! SEE OUR REVIEW IN THIS ISSUE AND LETS START USING THIS POWERFUL BASIC UNDER ADAM CPM 2.2. WE WILL HAVE A PUBLIC DOMAIN CPM BASIC LIBRARY IN OUR LIBRARY SHORTLY AS WELL.

. NIAD NOW HAS OUR OWN DISKETTES, PRE-FORMATTED FOR THE ADAM !! THESE ARE HIGH QUALITY NASHUA DISKETTES. THEY ARE DOUBLE DENSITY AND DOUBLE SIDED WHICH ALLOWS YOU TO USE THE "FLIP" SIDE AFTER CUTTING OUT THE READ HOLES. YOU WON'T FIND ANY BETTER FOR THE PRICE AND NONE THAT ARE ADAM FORMATTED FOR YOU.

WE HAVE FOUND A WAY TO FORMAT THESE DISKS FOR BOTH CPM AND NON-CPM USE. HOWEVER, IF YOU WANT TO USE THEM FOR NON-CPM USE YOU MUST INIT THE DIRECTORY UNDER SMARTBASIC FIRST.

. WE HAVE A REVIEW SUMMARY IN THIS ISSUE OF ALL THE PRODUCTS REVIEWED SINCE OUR JANUARY, 85 ISSUE. I HOPE THIS IS A HELP TO YOU.

. OK, OK, I GIVE UP - THE PD LIBRARIES WILL NOW BE AVAILABLE ON EITHER DISK OR DDP. IF YOU DON'T SPECIFY WHICH WE WILL ASSUME DDP. THE PRICE OF \$ 6.00 INCLUDES THE DDP OR DISK.

. WE'RE HAPPY TO TELL YOU OF ANOTHER FINE ADAM SOFTWARE DEVELOPER ON THE NIAD BUYING SERVICE PRODUCT LIST - DATA DOCTOR. SEE OUR REVIEW IN THIS ISSUE OF THEIR FIRST TITLE QUICKFAX QUEST. IF THIS IS ANY EXAMPLE OF THEIR WORK WE'RE IN FOR SOME GOOD STUFF IN THE FUTURE. DATA DOCTOR IS CURRENTLY FINALIZING 5 OTHER TITLES FOR DISTRIBUTION OVER THE NEXT 3 MONTHS.

. NIAD NOW CARRIES THE LAS VEGAS ADAM USERS GROUP "ARCHIVES I" ON DDP/DISK. THIS IS AN EXCELLENT SERIES OF BASIC PROGRAMS FOR A REASONABLE PRICE - SEE OUR REVIEW IN THE JULY ISSUE.

. SEE OUR REVIEW OF A FINE SELECTION OF SMARTBASIC PROGRAMS FROM REEDY SOFTWARE. IT'S GREAT TO SEE SO MANY QUALITY SOFTWARE DEVELOPERS FOR THE ADAM SPRINGING UP.

. WE'RE OFFERING SOME "BACK TO SCHOOL" SPECIALS THIS MONTH -

EDUCATION PACK I \$ 49.95

- . FLASHCARD MAKER
- . FLASHFACTS
 - TRIVIA
 - HISTORY
 - VOCABULATOR

THIS FLASHCARD SERIES PROVIDES AN EXCELLENT DRILLING MECHANISM FOR SCHOOL. THE NICE THING IS THAT YOU CAN ADD YOUR OWN FLASHCARDS TO PREPARE FOR A TEST. SEE OUR REVEIW IN THE MARCH, 85 ISSUE.

EDUCATION PACK II \$ 41.95

- . EXPERTYPE
- . WACKY WORD GAME

THESE TWO PROGRAMS WILL GREATLY AID IN THE USE OF THE KEYBOARD, TEACH YOU HOW TO USE SMARTWRITER IN A FUN GAME FORMAT.

EDUCATION PACK III \$ 51.95

- . R. SCARRY'S ELECTRONIC WORDBOOK
- . DR. SEUSS FIX UP THE MIX UP PUZZLE
- . SMURF PAINT AND PLAY

THESE 3 PROGRAMS FOR CHILDREN AGES 3 TO 9 PROVIDE EXCELLENT LEARNING SKILLS AND GRAPHIC REPRESENTATIONS OF FAVORITE CHARACTERS.

EDUCATION PACK IV \$ 31.95

- . MONKEY ACADEMY MATH SKILLS
- . TELLY TURTLE LOGO GRAPHICS

THESE 2 EDUCATIONAL GAMES ARE FOR THE 6 TO 15 YEAR OLDS.

. THERE HAVE BEEN MANY QUESTIONS AND COMMENTS ASKING US TO PROVIDE MORE INFORMATION FOR THE NEW ADAM OWNER. WE ARE ADDING SOME CLINIC SECTIONS TO THE BASIC AND CPM WORKSHOPS. HOWEVER, NIAD CAN ONLY BE A SUPPLEMENT TO YOUR OWN READING AND STUDYING OF THE ADAM MANUALS. HENCE, WE HAVE ADDED EDUCATIONAL BOOKS TO OUR PRODUCT LIST THAT I ENCOURAGE YOU TO USE. ALSO, WE HAVE FOUND AN EXCELLENT INTRODUCTORY TRAINING COURSE FOR THE ADAM. THE LEARNING EXPRESS COURSE ON THE ADAM IS REVEIUED IN NEXT ISSUE AND I STRONGLY RECOMMEND IT FOR ALL NOVICE ADAMITES. IT IS AN AUDIO COURSE SO YOU CAN PUT ON YOUR WALKMAN AND LEARN ABOUT THE ADAM AS YOU DO OTHER THINGS !

ADAM TRAINING PACKAGE \$ 45.95

- . LEARNING EXPRESS AUDIO TRAINING
- . RIB I/ II

NIAD BASICS

- . NEW MEMBERS SUBSCRIPTIONS ARE STARTED WITH THE LAST ISSUE PUBLISHED.
- . BACK ISSUES OF THE NIAD NEWSLETTER ARE AVAILABLE FOR \$3.00 EACH AND I WOULD RECOMMEND YOU PURCHASE THEM FOR THE REVIEWS AND WORKSHOP INFORMATION.
- . TELEPHONE CALL INS ARE TAKEN SATURDAY AM'S FROM 8:00 TO 11:00, CHICAGO TIME.
- . REGARDING PRODUCT ORDERING -
SEND A MONEY ORDER OR CHARGECARD NUMBER IF YOU WANT TO EXPEDITE YOUR ORDER ON ALL FIRST TIME ORDERS (NOTE: ESTABLISHED MEMBERS MAY PAY BY CHECK WITHOUT THE 10 DAY DELAY).
- . IF YOU ORDER ITEMS THAT ARE SHOWN AS NOT YET AVAILABLE AT THE SAME TIME YOU ORDER OTHER ITEMS, YOU WILL BE CHARGED TWO SHIPPING CHARGES UNLESS YOU SPECIFY THAT I SHOULD HOLD YOUR ORDER UNTIL ALL ITEMS ARE AVAILABLE.
- . IF YOU WANT ME TO SHIP TO A POST OFFICE BOX, INCLUDE THE SHIPPING CHARGE FOR US MAIL SINCE UPS DOES NOT SHIP TO PO BOXES.
- . ALL SHIPMENTS TO CANADA AND HAWAII ARE CHARGED THE US MAIL 1ST CLASS RATE.
- . PLEASE CALL ME BEFORE RETURNING ANY MERCHANDISE.
- . IF I AM BACKORDERED ON AN ITEM THAT IS NOT SHOWN AS "NOT YET AVAILABLE", I WILL FILL THE REST OF YOUR ORDER AND SEND THE BACKORDERED ITEM WHEN RECEIVED (WITH NO ADDITIONAL SHIPPING CHARGE).
- . IF YOU ARE HAVING TROUBLE RECEIVING YOUR NEWSLETTER VIA THIRD CLASS MAIL, YOU MAY UPGRADE TO 1ST CLASS DELIVERY BY SENDING IN \$.50 FOR EACH MONTH REMAINING IN YOUR SUBSCRIPTION (EXPIRATION MONTH IS THE FIRST 4 NUMBERS OF YOUR MEMBERSHIP NUMBER ON YOUR MAILING LABEL).

ADAM'S FUTURE

I'M GOING TO GET ON MY ADAM SOAPBOX NOW!

THE FUTURE OF THE ADAM IS UP TO YOU, THE ADAM OWNERS. YOUR RESPONSE TO ADAM PRODUCTS WILL DETERMINE THE VENDOR SUPPORT OF YOUR ADAM COMPUTER.

EACH OF YOU HAVE MADE AN INVESTMENT OF SEVERAL HUNDRED DOLLARS IN YOUR ADAM. I ASSUME YOU WOULD DESIRE TO PROTECT THAT INVESTMENT. I'M TELLING YOU THAT YOU CAN CHOOSE TO THROW THAT MONEY AWAY OR INSURE YOU GET A REAL BENEFIT OUT OF YOUR INVESTMENT. THE KEY ADVANTAGE THAT THE ADAM HAS OVER ITS COUNTERPARTS (COMMODORE 64, APPLE, ETC.) IS ITS:

1. EASE OF USE.
2. BUILT IN WORD PROCESSING SOFTWARE.
3. A COMPLETE SYSTEM IS PROVIDED -- FULL KEYBOARD, PRINTER, 64K OF MEMORY AND DIGITAL DATA PACK FOR FILE STORAGE.
4. EXPANSION CAPABILITIES
 - A) DISK DRIVE
 - B) ADDITIONAL 64K OF MEMORY
 - C) INTERFACE TO ATTACH OTHER PRINTERS, MODEMS AND MISC. SERIAL DEVICES
 - D) 80 COLUMN VIDEO BOARD EXPANDER
 - E) VOICE SYNTHESIZER
 - F) DISK CONTROLLER -- TO INTERFACE TO OTHER THAN THE ADAM DISK DRIVES (3 1/2 INCH, 8 INCH AND HARD DISKS)
 - G) NEW SOFTWARE CONSISTENTLY BEING RELEASED. IN FACT THERE IS MORE QUALITY SOFTWARE COMING OUT NOW THEN BEFORE COLECO DROPPED THE ADAM !

THESE ARE FACTS THAT HAVE NOT CHANGED -- YOU HAVE AN EXCELLENT SMALL COMPUTER THAT CURRENTLY HAS GOOD VENDOR SUPPORT. THE ONLY THING YOU NEED IS:

1. A GOOD USER GROUP TO ANSWER YOUR QUESTIONS, RESEARCH AND REVIEW NEW PRODUCTS, PROVIDE PUBLIC DOMAIN SOFTWARE SUPPORT AND GIVE YOU ACCESS TO THE PRODUCTS YOU NEED (WHAT CAN I SAY!)
2. YOUR PERSONAL INITIATIVE TO READ YOUR MANUALS, NIAD NEWSLETTERS AND PURCHASE AND USE THE APPROPRIATE SOFTWARE PRODUCTS.

OBVIOUSLY, THIS LAST ITEM IS UP TO YOU! HOWEVER, WE AT NIAD FEEL IT IS OUR FUNCTION TO HELP YOU AND MAKE IT EASIER FOR YOU TO ACCOMPLISH THIS GOAL. THAT'S WHY WE SPEND A LOT OF TIME AND MONEY RESEARCHING QUESTIONS, PROBLEMS AND PRODUCTS -- AND PROVIDING YOU WITH A CONCISE, MONTHLY NEWSLETTER WITH THIS DATA.

UNFORTUNATELY, MANY OF US ARE ENTICED BY THE NEW COMPUTERS THAT COME OUT THINKING THAT SOME HOW WE CAN GET MORE OUT OF THESE THEN OUR CURRENT SYSTEM. THIS IS THE FALICY, ANY COMPUTER WILL REQUIRE YOU TO SPEND THE TIME TO LEARN IT AND THE SOFTWARE YOU BUY. THE FACT THAT THE AMIGA CAN GENERATE 4,096 COLORS ON A SCREEN IS NICE BUT WHAT DOES IT DO FOR YOU ? DO YOU REALIZE THE TIME IT WOULD TAKE TO MAKE SOME OF THE PICTURES YOU HAVE SEEN COME FROM SUCH A COMPUTER ? DON'T BE FOOLED BY THESE POWERFUL NEW SYSTEMS - I WILL STICK WITH MY LITTLE ADAM, IT DOES ALL I NEED.

UPDATES

. THE INFOCOM TEXT ADVENTURE SERIES IS HERE FOR THE ADAM !
THESE TEXT LITERATURE GAMES ARE FAMOUS FOR THEIR INVOLVED PLOTS AND METHOD OF INVOLVING THE PLAYER IN THE STORY. SEE OUR REVEIW OF DEADLINE IN THIS ISSUE. NIAD WILL CARRY THE MORE POPULAR PRODUCTS AT DISCOUNT PRICES.

UPDATES

. EVE HAS COMPLETED MODIFICATIONS TO ALLOW SMARTFILER OUTPUT TO BE PRINTED VIA THE SP-1 INTERFACE TO YOUR PRINTER.

THE EVE SS-CC SPEECH SYNTHESIZER/ CLOCK CALENDAR WENT INTO PRODUCTION 9/19, ABOUT 2 WEEKS BEHIND SCHEDULE. NIAD SHOULD HAVE PLENTY OF STOCK BY THE TIME YOU RECEIVE THIS ISSUE. DUE TO AN INCREASE IN THE PRICE OF SOME OF THE COMPONENTS THE PRICE WILL BE \$ 109.95 INSTEAD OF THE \$ 89.95 ORIGINALLY PLANNED.

THE EVE 80 COLUMN BOARD IS ALSO RUNNING BEHIND SCHEDULE. I WOULD PROJECT A NOVEMBER DATE FOR THE PRODUCTION RELEASE OF THIS.

. THE EVE DISK CONTROLLER SHOULD BE OUT BY YEAR END AND WILL ALLOW THE ATTACHMENT OF MANY OTHER DISK DRIVES TO THE ADAM IN CPM MODE ONLY. THE HARDWARE AND SOFTWARE THAT IS BEING PUT TOGETHER FOR THE CONTROLLER WILL ALLOW THE READING OF DISK FORMATS FOR MANY OTHER CPM SYSTEMS LIKE KAYPRO, TRS-80, ZENITH, IBM PC.

. SAGE ENTERPRISES HAS RELEASED A PROGRAM CALLED FORMAT THAT WILL ALLOW THE ADAM TO READ CPM FORMATTED DISKS FROM SPECIFIC OTHER CPM SYSTEMS - MORE ON THIS NEXT MONTH.

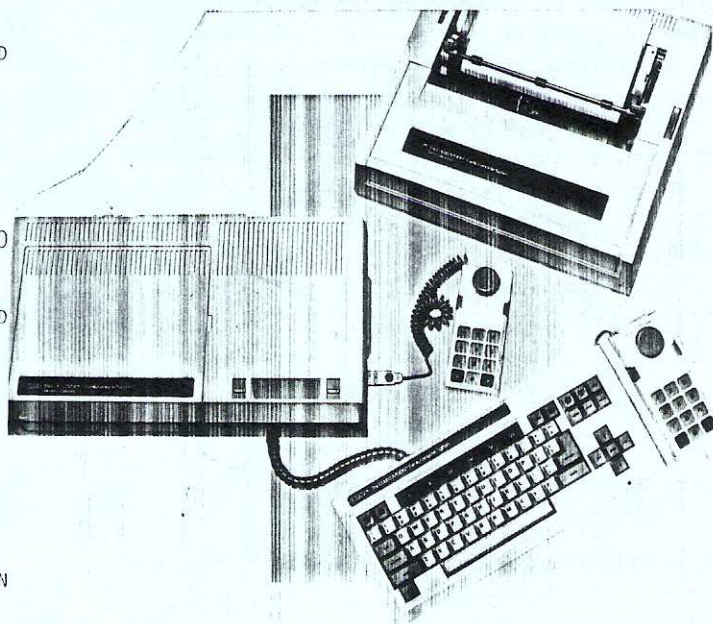
. HONEYWELL OFFERS A FINE SERVICE FOR US ADAM OWNERS THAT I WAN'T YOU ALL TO BE AWARE OF. OBVIOUSLY, IF YOUR ADAM IS WITHIN THE WARRANTY THE PRICE IS REASONABLE (FREE) BUT FOR OF US THAT HAVE HAD OUR ADAMS AWHILE -
REPLACEMENT TAPE DRIVE - \$ 40.00
REPLACEMENT CONSOLE - \$ 75.00
(IF IT'S DEFECTIVE OR HAS THE OLD ROM)
PRINTER ADJUSTMENT/ MINOR FIXES - \$ 34.95
PRINTER POWER SUPPLY/ PRINT HEAD RELPACEMENT - \$ 60.00

I THINK THESE ARE VERY REASONABLE PRICES AND WE SHOULD ALL FEEL SECURE KNOWING THAT HONEYWELL IS THERE FOR US.

. WE KNOW HAVE ANOTHER ADAM HARDWARE PERIPHERALS SUPPLIER. THIS IS GREAT KNEWS FOR US ADAMITES - COMPETITION FOR US TO CHOOSE FROM ! B. ROGERS HAS A CLOCK CALENDAR READY AND IS NEARING COMPLETION OF A RS232 / PARALLEL INTERFACE. OTHER PROJECTS INCLUDE AN 80 COLUMN VIDEO BOARD, SUPER HI-RES GRAHICS CARD, RGB COLOR VIDEO OUTPUT, RAM MEMORY BOARDS AND AN APPLE EMULATOR IS EVEN BEING CONSIDERED !! How's THAT FOLKS ?? MORE ON THIS NEXT MONTH.

. MARTIN CONSULTING OF CANADA (SMARTBASIC BONANZA AND FANTASY GAMER) IS CONSIDERING AN ARTIFICIAL INTELLIGENCE GAME CALLED ADAM THINKS. MARTIN HAS DONE EXCELLENT WORK FOR US ADAMITES, I THINK FANTASY GAMER IS THE BEST ADVENTURE GAME AROUND. PLEASE SUPPORT MARTIN CONSULTING BY BUYING THEIR PRODUCTS AND ENCOURAGE THEM TO SPEND THE TIME TO DEVELOP MORE FOR US. SEE THE NIAD SPECIAL ON THE MARTIN PRODUCTS.

. COLECO HAS GONE INTO PRODUCTION WITH JEOPARDY AND 2010: GRAPHIC TEXT ADVENTURE - FINALLY !! WE WILL HAVE RECEIWS IN THE OCTOBER ISSUE. THE BEST OF ELECTRONIC ARTS WILL NOT BE OUT UNTIL OCTOBER.



SMARTLOGO WORKSHOP

THE LOGO LINK

"WHO IS LIKE THE WISE MAN AND WHO KNOWS THE INTERPRETATION OF A MATTER?" - ECCLESIASTES 8:1

IN THIS MONTHS ARTICLE I WOULD LIKE TO EXPLORE THE SUBJECT OF ARTIFICIAL INTELLIGENCE. ALTHOUGH I WILL NOT BE CREATING A FRANKENSTEIN, I WILL BE SHOWING YOU A PROGRAM WHICH SEEMS TO LEARN AND REMEMBER THINGS WHICH YOU TEACH IT. RATHER THAN DEVELOP THE PROGRAM IN PIECES I WILL EXPLAIN WHAT IT DOES AND HOW IT WORKS AND THEN PRESENT THE FINISHED PRODUCT.

A DIALOG WITH THE PROGRAM WOULD LOOK LIKE THIS:
ARE YOU THINKING OF AN ANIMAL?

AT THIS POINT YOU CAN TYPE LIST, SAVE, YES, OR NO. LIST WILL TYPE OUT ALL THE ANIMALS THAT ADAM HAS LEARNED. SAVE WILL SAVE ALL THE ANIMALS THAT ADAM HAS LEARNED ON THE DISK. NO WILL END THE PROGRAM. YES WILL CONTINUE THE PROGRAM. IF YOU ANSWER YES ADAM WILL ASK YOU A SERIES OF QUESTIONS (FOR EXAMPLE, DOES IT SWIM?) AND ACCORDING TO YOUR ANSWERS IT WILL TRY AND DEDUCE THE ANIMAL OF WHICH YOU ARE THINKING. IF IT CANNOT GUESS THE ANIMAL (BECAUSE IT HAS NOT LEARNED IT YET) IT WILL ASK YOU FOR THE NAME OF THE ANIMAL BY TYPING:

I GIVE UP, IT WAS A?

NOW YOU TYPE IN THE NAME OF THE ANIMAL (FOR EXAMPLE, GORILLA). ADAM WILL THEN ASK YOU TO TYPE IN A QUESTION WHICH DISTINGUISHES THE ANIMAL YOU THOUGHT OF FROM THE ONE ADAM THOUGHT IT WAS. YOUR ANSWER SHOULD BE A QUESTION WITHOUT THE FINAL QUESTION MARK (FOR EXAMPLE, DOES IT HAVE FUR). FINALLY, ADAM WILL ASK YOU WHAT THE ANSWER WOULD BE FOR YOUR ANIMAL (ENTER YES OR NO). AT THIS POINT ADAM HAS LEARNED YOUR ANIMAL (IF YOU MAKE A MISTAKE AT ANY POINT BEFORE THIS YOU CAN PRESS THE ESCAPE/WP KEY AND TYPE BEGIN TO START OVER). THIS GAME IS ESPECIALLY USEFUL FOR KEEPING TEN YEAR OLD CHILDREN OCCUPIED FOR HOURS.

THE ROOT OF THE PROGRAM IS THE LIST CALLED ANIMALS. THERE ARE TWO TYPES OF ENTRIES WHICH CAN BE INSERTED INTO THIS LIST:

1) QUESTION ENTRIES: THIS ENTRY IS A 4 ITEM LIST (E.G., [Q [DOES IT SWIM] 2 3]) AND IS USED TO ASK THE USER QUESTIONS ABOUT THE ANIMALS. THE FIRST ENTRY IS A Q WHICH SIGNIFIES THIS AS A QUESTION ENTRY. THE SECOND ITEM IS THE QUESTION TO BE ASKED. THE THIRD ITEM IS THE ITEM NUMBER IN THE LIST TO GO TO IF THE QUESTION IS ANSWERED YES. THE FOURTH ITEM IF THE QUESTION IS ANSWERED NO.

2) ANSWER ENTRIES: THIS ENTRY IS USED WHEN ADAM HINKS IT FINALLY KNOWS THE ANIMAL. IT IS A TWO ELEMENT LIST (I.E., [A [BENGAL TIGER]]). THE FIRST ENTRY IS AN A WHICH SIGNIFIES THIS AS AN ANSWER ENTRY. THE SECOND ELEMENT IS THE NAME OF THE ANIMAL.

INITIALLY THE LIST LOOKS LIKE THIS:

```
[[Q [DOES IT SWIM] 2 3]
 [A [WHALE]]
 [A [BENGAL TIGER]]
 ]
```

WE ONLY UPDATE THE LIST WHEN ADAM GUESSES AN ANIMAL INCORRECTLY (JUST LIKE YOU AND I, THE ONLY TIME ADAM LEARNS TO DO BETTER IS WHEN HE LOSES). WE MOVE THE INCORRECT GUESS TO THE END OF THE LIST, THE CORRECT ANSWER IS PUT AT THE END OF THE LIST, AND FINALLY THE NEW QUESTION IS PUT IN WHERE THE INCORRECT ANSWER WAS.

THE UPDATED LIST WHEN ADDING A PORPOISE MIGHT LOOK AS FOLLOWS:

```
[Q [DOES IT SWIM] 2 3]
 [Q [IS IT A MAMMAL] 5 4]
 [A [BENGAL TIGER]]
 [A [WHALE]]
 [A [PORPOISE]]
 ]
```

TRY ASKING THE QUESTIONS YOURSELF TO SEE HOW IT WORKS. HOW WOULD YOU ADD ANOTHER ANIMAL?

HERE IS THE PROGRAM (IT IS ALSO AVAILABLE ON THE NIAD SMARTLOGO PUBLIC DOMAIN DISK).

```
TO LOAD_EM
  BLANK
  PRINT [LOADING ANIMALS...]
  LOAD "ANIMALS
END

TO SAVE_EM
  IF DEFINEDP "STARTUP [ERN "STARTUP]
  ERF "ANIMALS
  SAVENS "ANIMALS
END

TO BLANK
  PRINT "
END

TO LIST_EM :ANIMALS
  IF EMPTYP :ANIMALS [STOP]
  IF ( FIRST FIRST :ANIMALS ) = "A
    [PRINT ITEM 2 FIRST :ANIMALS]
  LIST_EM BF :ANIMALS
END

TO YNSL :RL
  MAKE "RL FIRST FIRST :RL
  IF ( OR :RL = "Y :RL = "N :RL = "S :RL = "L )
    [OP :RL]
  BLANK
  PRINT [ANSWER MUST BE YES, NO.]
  TYPE [SAVE, OR LIST?]
  OP YNSL RL
END
```

```

TO BEGIN
  RECYCLE
  BLANK
  PRINT [ARE YOU THINKING OF]
  TYPE [AN ANIMAL?]
  MAKE "ANSWER YNSL RL
  IF :ANSWER = "Y
    [QUERY 1 CS]
    [IF :ANSWER = "N
      [STOP]
      [IF :ANSWER = "S
        [SAVE_EM CS]
        [CS LIST_EM :ANIMALS]
      ]
    ]
  ]
  BEGIN
END

```

```

TO FRONT% :N :LIST :OP
  IF :N = 0 [OP :OP]
  OP FRONT% :N - 1 BF :LIST LPUT FIRST :LIST :OP
END

```

```

TO FRONT :N :LIST
  OP FRONT% :N :LIST []
END

```

```

TO REPLACE :N :QUESTION

  MAKE "TMP LPUT :QUESTION FRONT (:N-1) :ANIMALS

  MAKE "ANIMALS
  SE :TMP BF MEMBER ITEM :N :ANIMALS :ANIMALS
END

```

```

TO NO_ANSWER :N :QUESTION
  MAKE "QUESTION LIST "Q :QUESTION
  MAKE "QUESTION LPUT (COUNT :ANIMALS)-1 :QUESTION
  MAKE "QUESTION LPUT (COUNT :ANIMALS) :QUESTION
  REPLACE :N :QUESTION
END

```

```

TO YES_ANSWER :N :QUESTION
  MAKE "QUESTION LIST "Q :QUESTION
  MAKE "QUESTION LPUT COUNT :ANIMALS :QUESTION
  MAKE "QUESTION LPUT (COUNT :ANIMALS)-1 :QUESTION
  REPLACE :N :QUESTION
END

```

```

TO ANSWER :N :ITEM
  BLANK
  ( TYPE [IS IT A\ ] ITEM 2 :ITEM "?\ )
  IF ( YES_OR_NO RL ) = "Y [STOP]
  BLANK
  PRINT [I GIVE UP, IT WAS A...]
  MAKE "ANIMAL RL
  BLANK
  PRINT [TYPE A QUESTION THAT WOULD]

```

```

( PRINT [FROM A\ ] :ANIMAL " : )
MAKE "QUESTION RL
NEW_ANIMAL :ITEM :ANIMAL
BLANK
( PRINT [FOR A\ ] :ANIMAL )
TYPE [THE ANSWER WOULD BE?\ ]
IF ( YES_OR_NO RL ) = "Y
  [YES_ANSWER :N :QUESTION]
  [NO_ANSWER :N :QUESTION]
END

```

```

TO QUESTION :ITEM
  ( TYPE ITEM 2 :ITEM "?\ )
  IF ( YES_OR_NO RL ) = "Y
    [QUERY ITEM 3 :ITEM]
    [QUERY ITEM 4 :ITEM]
  ]
END

```

```

TO QUERY :N
  IF ( FIRST ITEM :N :ANIMALS ) = "Q
    [QUESTION ITEM :N :ANIMALS]

    [ANSWER :N ITEM :N :ANIMALS]
  ]
END

```

```

TO YES_OR_NO :RL
  MAKE "RL FIRST FIRST :RL
  IF OR :RL = "Y :RL = "N [OP :RL]
  TYPE [YES OR NO, PLEASE?\ ]
  OP YES_OR_NO RL
END

```

```

TO NEW_ANIMAL :ITEM :ANIMAL
  MAKE "ANIMAL LIST "A :ANIMAL
  MAKE "ANIMALS LPUT :ITEM :ANIMALS
  MAKE "ANIMALS LPUT :ANIMAL :ANIMALS
END

```

```

MAKE "STARTUP [LOAD_EM BEGIN]

```

MAKE SURE YOU TYPE IN THE ABOVE PROGRAM AND SAVE IT WITH THE NAME "ANIMAL. THEN ERALL AND TYPE IN THE FOLLOWING COMMAND AND SAVE IT WITH SAVENS "ANIMALS.

```

MAKE "ANIMALS
[[Q [DOES IT SWIM] 2 3]
[A [WHALE]]
[A [BENGAL TIGER]
]

```

COMMUNICATIONS WORKSHOP

THERE HAVE BEEN A NUMBER OF QUESTIONS REGARDING UPLOADING AND DOWNLOADING FILES/PROGRAMS WITH THE ADAM.

LET'S REVIEW SOME BASICS:

THE ADAMLINK MODEM IS NEEDED TO COMMUNICATE OVER PHONE LINES WITH ANOTHER COMPUTER (ONE THAT HAS FILES/PROGRAMS YOU MAY WANT TO CAPTURE). NOTE: UNDER CPM 2.2, THERE IS A FACILITY FOR USING OTHER THAN THE ADAM MODEM WITH THE EVE SP-1 RS 232 INTERFACE.

THERE ARE TWO SOFTWARE PROGRAMS THAT WORK WITH THE ADAMLINK MODEM TO COMMUNICATE WITH OTHER COMPUTERS. VERSION I COMES WITH THE MODEM. VERSION II, PROVIDES THE ABILITY TO UP/DOWNLOAD FILES AND PROGRAMS. VERSION II IS ONLY AVAILABLE FROM COLECO VIA A COUPON THAT COMES WITH THE ADAMLINK MODEM.

THE ADAMLINK VERSION II SOFTWARE ONLY HANDLES THE TRANSMISSION /RECEIPT OF "DATA" FILES SUCH AS BASIC PROGRAMS, SMARTWRITER FILES OR ANY FILES/PROGRAMS THAT DO NOT CONTAIN ANY SPECIAL CHARACTERS. THIS MEANS THAT ANY CPM 2.2 HEX OR COM FILES CAN NOT BE RECEIVED VIA THE ADAMLINK SOFTWARE. IN NEXT MONTH'S COMMUNICATIONS WORKSHOP, WE WILL DISCUSS THE COMMUNICATIONS SOFTWARE AVAILABLE TO HANDLE THESE TYPES OF FILES.

OKAY -- NOW PAST THE BASICS. LET'S WALK THROUGH AN EXAMPLE OF RETRIEVING A BASIC PROGRAM WITH THE NAME OF "GAME" FROM COMPUSERVE (CIS). THE FIRST THING YOU SHOULD DO IS READ THE ADAMLINK II MANUAL -- DO NOT SKIP THIS STEP OR YOU WILL BE IN TROUBLE! SIGN ON TO CIS AND GET INTO THE FORUM OR SECTION THAT HAS THE PROGRAM YOU WANT. LET'S ASSUME IT'S THE FAMILY COMPUTING FORUM. YOUR ENTRY FIELDS AND DISPLAY WOULD LOOK LIKE THIS:

UNDERLINED ITEMS ARE WHAT YOU ENTER -

_GQ_FAM-200
FUNCTION: DLG

ONCE YOU ARE IN DL 6 (WHERE THE ADAM PROGRAMS/FILES ARE STORED IN FAM-200) YOU NEED TO FIND THE PROGRAM GAME. HERE ARE THE VALID COMMANDS IN DL 6:

DL - CHANGE TO NEW DATA LIBRARY
SB - TYPE SUB-TOPIC NAMES
SCA - SCAN
BRO - BROWSE THRU FILES
DIR - DIRECTORY OF FILES
REA - READ A FILE
DOW - DOWNLOAD A FILE
KEY - KEYWORD LIST
UPL - UPLOAD A FILE
SUB - SUBMIT A FILE
ERA - ERASE A FILE
T - RETURN TO FUNCTION MENU
UST - LIST USERS IN SIG
SEN - SEND MESSAGE TO USER
SET - SET MENU & BRIEF ON/OFF
DES - DESCRIBE THE CURRENT DATA LIBR
ARY
OFF - LOGS YOU OFF

? xxx - EXPLAIN COMMAND xxx

THE BROWSE COMMAND IS USED TO REVIEW A BRIEF DESCRIPTION OF EACH PROGRAM/FILE AND DETERMINE IF YOU WANT TO RETRIEVE IT. ONCE YOU FIND GAME, YOU ARE GIVEN THE OPTION TO READ, DOWNLOAD, RETURN TO THE TOP DL 6 MENU OR GO TO THE NEXT FILE (BY HITTING RETURN). YOU WILL USE THE R (READ) OPTION TO DISPLAY THE CONTENTS OF THE FILE BUT NOT YET !!

THE ADAMLINK II SOFTWARE DOES NOT UTILIZE ANY SPECIAL PROTOCOL TO RECEIVE FILES - IT RECEIVES FILES BY INTERCEPTING THE DATA THAT IS SENT OVER THE PHONE LINE AND DISPLAYED ON THE SCREEN. HENCE, YOU USE THE READ OPTION TO DISPLAY THE FILE. READ YOUR MANUAL WHICH WILL EXPLAIN HOW TO SET UP TO RECEIVE A FILE. WHAT I DO IS ENTER THE "R" BUT NOT HIT RETURN UNTIL AFTER I HAVE OPENED THE FILE AND PUT THE ADAM IN FILE RECEIVE MODE. ONCE THE FILE IS DONE DISPLAYING ON THE SCREEN, YOU HIT THE UNDO KEY TO CLOSE IT.

THAT'S ALL THERE IS TO IT - GIVE IT A SHOT. SOME HINTS FOR UPLOADING A FILE TO DL6 OR VIA EZPLEX. DON'T INCLUDE ANY UNDERLINES AND DON'T USE THE AUTOMATIC WORDWRAP MODE IN SMARTWRITER - YOU MUST ALWAYS PUT A CARRIAGE RETURN AT THE END OF EACH LINE AND ONLY LET YOUR LINES BE 50 CHARACTERS LONG.

CPM 2.2 WORKSHOP

CLINIC

CPM 2.2 IS VERY HARD ON DDP'S DUE TO THE EXTENSIVE READING AND WRITING DONE TO LOAD AND COPY FILES. I WOULD RECOMMEND YOU USE YOUR BETTER DDP'S (THE COLECO BRAND) FOR CPM USE OR BETTER YET GET A DISK DRIVE IF YOU PLAN ON ANY HEAVY USE OF CPM. WHEN YOU LOAD CPM 2.2 THERE ARE A NUMBER OF "RESIDENT" FUNCTIONS THAT ARE ALWAYS PRESENT SINCE THEY PERMANENTLY RESIDE IN MEMORY UNTIL YOU RESET THE COMPUTER. THESE INCLUDE ALL THE ONES LISTED AT THE BOTTOM OF THE SCREEN AND INITIATED BY THE SMARTKEYS: DIR - GIVES YOU A LIST OF THE FILES ON THE DRIVE SPECIFIED. IF NO DRIVE IS SPECIFIED THE CURRENT DRIVES DIRECTORY IS GIVEN.

ERA - NO, THIS IS NOT THE EQUAL RIGHTS AMMENDMENT, BUT STANDS FOR "ERASE". IT REQUIRES A FILE NAME, INCLUDING THE DRIVE AND EXTENSION - E.G. "ERA DISPLAY.DOC". IF YOU ACCIDENTLY ERASE A FILE THAT YOU DID NOT INTEND TO THEN THE UTILITY UNERA19 ON THE CPM PD VOLUME #1 WILL RECOVER IT IF YOU RUN IT IMMEDIATELY AFTER YOU ERA THE FILE.

REN - USED TO RENAME AN EXISTING FILE.

USER - ALLOWS YOU TO GIVE EACH FILE ON A DISK UP TO 15 DIFFERENT NUMBERS WHICH WILL GROUP THEM I.E. YOU MAY WANT TO PUT ALL YOUR DOC FILES INTO USER 1, ALL THE COM FILES INTO 2, ETC.

SAVE - FOR SAVING THE CONTENTS OF MEMORY TO A DRIVE. THIS IS USED IN ASSEMBLING LANGUAGE PROGRAMMING AND DEBUGGING.

TYPE - SIMILAR TO LIST IN BASIC - DISPLAYS THE CONTENTS OF A FILE ON THE SCREEN AND PRINTER IF DESIRED.

I DISCUSSED LAST MONTH SOME BASICS OF CPM 2.2 FILE HANDLING, ESPECIALLY RELATIVE TO MANIPULATING THE FILES ON THE PUBLIC DOMAIN DDP'S. LETS TALK MORE ABOUT THE PD LIBRARIES. AS MANY OF YOU KNOW, THERE ARE MANY DIFFERENT PROGRAMS ON THESE LIBRARY TAPES. ONCE YOU COPY THEM AS EXPLAINED LAST MONTH, THE FIRST THING YOU SHOULD DO IS TO PRINT OUT ALL FILES WITH AN EXTENSION OF "DOC" E.G. DISPLAY.DOC. THESE FILES ARE DOCUMENTATION FILES THAT YOU MUST READ BEFORE TRYING TO RUN PROGRAM THEY ARE DOCUMENTING. I SUGGEST YOU PRINT ALL THE DOC FILES OUT ON THE PRINTER FOR LATER REFERENCE. YOU DO THIS BY USING THE TYPE COMMAND AS EXPLAINED ABOVE AND HITTING THE "CONTROL AND P" KEYS AT THE SAME TIME BEFORE YOU HIT THE RETURN KEY - HER IS THE SEQUENCE YOU SHOULD USE:
TYPE A:DISPLAY.DOC <HIT CONTROL AND P> <HIT RETURN>. I STRONGLY SUGGEST YOU PURCHASE THE BOOK CPM USERS GUIDE FROM THE BUYING SERVICE TO GET MORE INTO CPM IF YOU ARE A NOVICE. THIS COLUMN IS ONLY MEANT TO SUPPLEMENT SUCH PUBLICATIONS.

THE 80 COLUMN SCROLL BUILT INTO CPM 2.2 FOR THE ADAM IS BOTH A BLESSING AND CURSE IN MY OPINION. IT CERTAINLY IS NEEDED BECAUSE OF THE LIMITATION OF 30 COLUMNS IN CPM MODE. HOWEVER, IT CAN MAKE YOU GO CRAZY TRYING TO READ A FILE. YOU NEED TO USE THE CONTROL AND ARROW KEYS SIMULTANEOUSLY TO MOVE AROUND THE SCREEN TO READ 80 COLUMN DISPLAYS.

IN LAST MONTHS COLUMN I SUPPLIED A PROGRAM THAT WOULD AUTOMATICALLY "CUT" THE DISPLAY AT 30 CHARACTERS. I FIND THIS A PREFERABLE ALTERNATIVE TO THE 80 COLUMN SCROLL. HOWEVER, THIS ELIMINATION OF THE 80 COLUMN SCROLL WON'T WORK WITH SOME PROGRAMS LIKE WORDSTAR AND THE NEVADA BASIC. THESE PROGRAMS HAVE TO HAVE THE FULL 30 COLUMNS TO WORK PROPERLY.

NIAD CP/M PUBLIC DOMAIN LIBRARY
BY C. KOLANDER

DO TO CONFUSION AS TO WHAT THE DIFFERENT FILES ARE AND WHAT THEY DO THAT ARE IN THE VARIOUS PD LIBRARIES, THIS COLUMN WILL GIVE A BRIEF EXPLANATION OF EACH. WE WILL TRY TO COVER ONE DISK EACH MONTH. MOST OF THE PROGRAMS HAVE VERY GOOD "DOC" FILES WITH THEM, AND WE WILL ONLY GIVE AN IDEA OF WHAT THEY DO. OTHERS HAVE NONE, AND WE WILL TRY TO COVER THEM MORE THOROUGHLY. IF YOU HAVE QUESTIONS THAT ARE NOT ANSWERED, JUST JOT THEM DOWN AND SEND THEM TO ME.

CHARLES KOLANDER
1295A PEARL AVE.
GLENDALE HGTS. ILL. 60139

BECAUSE VOL. 1 HAS A VERY GOOD READ.ME FILE, ALONG WITH PLENTY OF DOC FILES, WE WILL START WITH VOL. 2. NOTE: PLEASE READ THE CPM CLINIC COLUMN IN THE AUGUST NEWSLETTER FOR SOME BASICS ON HOW TO WORK WITH THESE PD LIBRARIES. ALSO, IF YOU DON'T UNDERSTAND THE BASICS OF CPM, READ YOUR MANUAL AND GET THE CPM USERS GUIDE BOOK.

VOLUME 2

BASEBALL.COM - THIS IS A TEXT VERSION OF BASEBALL. VERY GOOD GAME.

SPLIT.COM - THIS PROGRAM TAKES VERY LONG ASCII FILES AND SPLITS THEM INTO SMALLER ONES. VERY HELPFUL WHEN YOU HAVE A FILE THAT YOU WANT TO EDIT AND IT IS LARGER THEN THE BUFFER. TO USE SIMPLY TYPE SPLIT FILENAME.TYPE, IT WILL THEN SPLIT IT INTO SMALL CHUNKS(10K) THAT WILL HAVE AN EXTENSION OF .001 ETC.

MDM740,M7LIB,M7FNK AND M7ADAM-1 - THESE ARE THE BASIC FILES TO SET A MODEM 7 SYSTEM UP ON YOUR ADAM. YOU HAVE TO ASSEMBLE M7ADAM-1, THEN USE DDT TO INSTALL IT INTO MDM740. THIS GIVES YOU A WORKING VERSION OF MODEM7, THIS VERSION DOES NOT HAVE DIALING. M7LIB ALLOWS YOU TO CHANGE THE PHONE NUMBERS IN THE MDM740 LIBRARY. M7FNK ALLOWS YOU TO CHANGE THE FUNCTION KEYS.

LU310,LU300 AND LRUN20 - THESE PROGRAMS ALLOW YOU TO SETUP OR USE FILES WITH THE EXTENSION .LBR. LIBRARY FILES ARE USEFUL FOR SAVING BOTH FILE SPACE AND DIRECTORY SPACE. THE DOC FILE IS VERY EXTENSIVE.

IOMAP.COM - THIS PROGRAM DOES WHAT THE NAME IMPLIES, IT PRINTS A INPUT/OUTPUT MAP FOR YOU.

COMMON.COM - THIS PROGRAM IS FROM THE BOOK "CP/M REVEALED" BY JACK DENNON (HAYDEN BOOKS). IT WAS PUT IN THE LIBRARY TO SAVE EVERYONE SOME TYPING. THE PROGRAM ALLOWS YOU TO USE PROGRAMS "COMMONLY" AT ALL USER LEVELS. THERE IS SOME INFO ON IT'S USE IN THE READ.ME FILE, BUT IF YOU REALLY WANT TO KNOW MORE YOU SHOULD GET THE BOOK.

FMAP,UCAT AND CATPAGE.COM - THESE ARE THE THREE FILES NEEDED TO START A "CATALOG" OF ALL YOUR DISKS. YOU SHOULD PIP THEM OFF TO THERE OWN DISK, THEN USE ED TO SET UP A FILE CALLED MAST.CAT. YOU CAN PLACE THE NAMES OF COMMON FILES IN THE MAST.CAT LIKE THIS:
(DDT.COM
ASM.COM
ED.COM
ECT.)

THIS WILL THEN PREVENT THEM FROM SHOWING UP OVER AND OVER IN YOUR CATALOG. THE NEXT THING TO DO IS TO PUT A DISK NAME ON EACH OF YOUR DISKS YOU ARE GOING TO CATALOG. TO DO THIS, JUST PLACE THE DISK IN THE DRIVE AND TYPE SAVE O -DISKNAME.NUMBER (THE "-" HAS TO BE THE FIRST CHARACTER OF THE FILE NAME IN ORDER FOR FMAP TO READ IT). THEN TO CATALOG SIMPLY HAVE YOUR CATALOG DISK IN A, AND THE DISK YOU WISH TO

CATALOG IN B, AND TYPE A:> FMAP B: F <=(OTHER EXT. MAY BE USED AS FOLLOWS - B PRODUCES A BIT MAP OF DISK, Q IS QUIET MODE NO LIST, *.FILETYPE ONLY CATALOGS THE FILETYPE NAMES). THEN YOU WILL HAVE A FILE ON YOUR DISK CALLED NAMES.SUB, TYPE UCAT, WHICH WILL INSERT THIS FILE INTO YOUR MAST.CAT AND THEN ERASE IT, YOU SHOULD THEN ERASE MAST.BAK AS THIS WILL BE CREATED EACH TIME YOU RUN UCAT. YOU KNOW HAVE A MASTER CATALOG. TO GET A HARD COPY SIMPLY USE CATPAGE. FIND.COM - THIS USED TO DO A CHARACTER STRING SEARCH OF ONE OR MORE FILES, WILL SEARCH ANY ASCII STRING. JUST TYPE FIND FILENAME STRING," " IN STRING WILL MATCH A TAB.

NOTE: VOLUMN 7 IS GOING TO CHANGE A LOT FROM THE LISTING SHOWN IN NIAD. MOST OF THE FILES ARE REPEATED FROM PREVIOUS DISKS, SO THEY ARE GOING TO BE DELETED. LOOK FOR A NEW LISTING ON THIS DISK NEXT MONTH.

SMARTBASIC WORKSHOP

NOTE: LINE 270 WAS LEFT OUT OF THE MENU SELECT PROGRAM PRINTED IN THE LAST ISSUE -

```
270 P=PEEK(I+12):IF P<>16 AND P<>208 THEN 310
```

BASIC CLINIC

WE HAVE BEEN DOING ALOT OF TALKING ABOUT "PEEK" AND "POKE", WHICH MAY SOUND MYSTERIOUS AND ONLY FOR THE BASIC EXPERT. NOT SO ! WE TALKED LAST MONTH ABOUT HOW THE ADAM'S 64K OF MEMORY IS USED BY SMARTBASIC - THE MEMORY "SPOTS" BETWEEN MEMORY ADDRESSES 256 AND 27407 (DECIMAL) IS OCCUPIED BY SMARTBASIC ITSELF, MEMORY BETWEEN 27407 AND 53632 IS RESERVED FOR THE BASIC PROGRAM YOU ARE RUNNING (OR WRITING, IF YOU ARE DEVELOPING OR COPYING ONE FROM SCRATCH). THE ADAM'S OPERATING SYSTEM AND SMARTBASIC USE THE LEFTOVER MEMORY FOR SPECIAL PROCESSING AND STORING OF DATA THEY NEED.

BY USING THE SMARTBASIC COMMAND PEEK WE CAN SEE WHAT IS STORED IN SOME OF THESE LOCATIONS. AS AN EXAMPLE IF WE ENTER "PRINT PEEK(64885)" WE WILL GET THE VALUE OF THE LAST KEYBOARD KEY PRESSED. THIS CAN BE USED AS FASTER MECHANISM OF READING THE KEYBOARD THEN USING THE INPUT STATEMENT.

POKE IS ESSENTIALLY THE OPPOSITE OF PEEK - IT ALLOWS US TO PLACE A VALUE DIRECTLY INTO A MEMORY ADDRESS. THIS FUNCTION CAN BE USED FOR A WHOLE BUNCH OF THINGS SUCH AS CHANGING SCREEN/ TEXT COLORS, SCREEN MARGINS, ETC. PLEASE READ THE RECENT SMARTBASIC WORKSHOPS FOR SOME SPECIFIC USES.

SO, PEEK AND POKE ARE NOT REALLY "HIGH-TECH", USE THEM TO BETTER UTILIZE YOUR ADAM.

THE FOLLOWING IS A COMBINATION OF TWO HI RES GRAPHICS ROUTINES THAT GIVE A REAL NICE SPACE SCENE WITH THE FAMOUS USS ENTERPRISE :
I ESPECIALLY LIKE THE VERY SIMPLE ROUTINE TO DRAW THE PLANETS - I COULD NEVER FIGURE OUT HOW TO DO CIRCLES !
NOTE: THIS PROGRAM IS ON BASIC PD VOLULME # 3.

```
10REM *** TO DISPLAY PICTURE IN A PR OGRAM, GOSUB TO
LINE 50000 AT START O F PROGRAM ***
20HGR
200REM ---3-PLANETS---
210 X=50: Y=95: A=20:HCOLOR =9:GOSUB 500
220 X=220: Y=20: A=15:HCOLOR =2:GOSUB 500
240GOTO 600
500REM ---DRAWS PLANETS---
510FOR B=-A TO A
520 C=SQR(A*A-B*B)
530HPLOT X+B, Y+C TO X+B, Y-C
540NEXT B:RETURN
600GOSUB 50000
610TEXT:END
50000REM *** TITLE SCREEN ***
50010HCOLOR =3
50020REM *** DISH ***
50040HPLOT 40, 46 TO 50, 52 TO 60, 51 TO 70, 47
50050HPLOT 88, 46 TO 100, 62
50060HPLOT 54, 49:HPLLOT 50, 48:HPLLOT 61, 47:HPLLOT 57,
49
50070HPLOT 69, 47 TO 80, 63
50080HPLOT 40, 40 TO 43, 36 TO 65, 37 TO 70, 40
50090HPLOT 50, 38:HPLLOT 55, 39
50100HPLOT 47, 37 TO 47, 33 TO 60, 34 TO 62, 37
50110HPLOT 80, 62 TO 74, 66 TO 75, 85 TO 93, 90:HPLLOT
TO 116, 90 TO 140, 84 TO 140, 72
50120HPLOT 140, 72 TO 154, 72 TO 149, 65:HPLLOT 149, 65
TO 113, 62 TO 85, 62
50130HPLOT TO 80, 62
50140HPLOT 100, 62 TO 115, 39:HPLLOT 112, 62 TO 135, 39
50150HPLOT 105, 39 TO 185, 38 TO 195, 26 TO 101, 27 TO
105, 39
50160FOR X=1 TO 20
50170 Y=INT(RND(1)*8)*12: Z=INT(RND(1)*5)+40
50180HPLOT Y, Z
50190NEXT
50200HPLOT 83, 55 TO 88, 55
50210HPLOT 75, 45:HPLLOT 80, 54:HPLLOT 85, 51:HPLLOT 83,
59
50220HPLOT 77, 65 TO 77, 86
50230HPLOT 83, 68 TO 110, 68:HPLLOT 83, 69 TO 104,
69:HPLLOT 83, 70 TO 107, 70
50240FOR X=1 TO 60
50250 Y=INT(RND(1)*134.697):IF Y<79 THEN 50250
50260 Z=INT(RND(1)*87.4869):IF Z<65 THEN 50260
50270HPLOT Y, Z
50280NEXT
50290HPLOT 120, 45:HPLLOT 115, 50:HPLLOT 119, 40:HPLLOT
110, 55:HPLLOT 110, 57:HPLLOT 113, 59
50300FOR Y=30 TO 36 STEP 2
50310IF Y=36 THEN HPLLOT 130, Y TO 165, Y:GOTO 50330
50320HPLOT 130, Y TO 180, Y
50330NEXT
```

```

50340FOR z=1 TO 7
50350 x=INT(RND(1)*125):IF x<105 THEN 50350
50360 y=INT(RND(1)*36):IF y<29 THEN 50360
50370HPLOT x, y
50380NEXT
50390FOR z=1 TO 20
50400 x=INT(RND(1)*73)
50410 y=INT(RND(1)*151):IF y<55 THEN 50410
50420HCOLOR =INT(RND(1)*16)
50430HPLOT x, y
50440NEXT
50450FOR z=1 TO 50
50460 x=INT(RND(1)*252):IF x<70 THEN 50460
50470 y=INT(RND(1)*151):IF y<95 THEN 50470
50480HCOLOR =INT(RND(1)*16)
50490HPLOT x, y
50500NEXT
50510FOR z=1 TO 10
50520 x=INT(RND(1)*252):IF x<155 THEN 50520
50530 y=INT(RND(1)*151):IF y<39 THEN 50530
50540HCOLOR =INT(RND(1)*16)
50550HPLOT x, y
50560NEXT
50570FOR z=1 TO 60
50580 x=INT(RND(1)*252)
50590 y=INT(RND(1)*25)
50600HCOLOR =INT(RND(1)*16)
50610HPLOT x, y
50620NEXT
50630HOME: ? TAB(2); "THE USS ENTERPRISE NCC-1701":??:?
"<PRESS PADDLE TRIGGER TO BEGIN>"; :VTAB 3
50640FOR c=0 TO 15
50650HCOLOR =c
50660HPLOT 39, 50 TO 0, 125:HPLOT 39, 51 TO 0, 126
50670IF PDL(7)=1 OR PDL(9)=1 THEN RETURN
50680NEXT:GOTO 50640

```

1. FULL SCREEN EDITOR - FULL CURSOR CONTROL OVER A SCREEN FULL OF DATA. SCROLLING OF BASIC PROGRAM UP AND DOWN, STRING SEARCH FUNCTION, LINE DELETE AND INSERT, CHARACTER DELETE, CHARACTER INSERT MODE. THIS EDITOR IS REALLY NICE AND A GREAT AID TO PROGRAM CREATION.
2. PRINT FORMATTING - ABILITY TO FORMAT THE PRINT GOING TO THE TERMINAL SUCH AS MONETARY (I WISH SMARTBASIC DID THIS) OR ANY FORMAT YOU WANT.
3. AUTO LINE NUMBERING FOR PROGRAM CREATION.
4. PROTECTED SAVE - YOU CAN SAVE A BASIC PROGRAM FOR EXECUTION ONLY, YOU CAN NOT LIST, EDIT, PRINT OR SAVE IT!
5. CHAINING TO OTHER PROGRAMS WITH THE ABILITY TO REMEMBER VARIABLE ASSIGNMENTS IN THE CHAINED PROGRAM.
6. PROGRAM TRACE OPTION - ABILITY TO LIST THE LINE NUMBERS OF EACH STATEMENT AS THE PROGRAM IS EXECUTING TO AID IN DEBUGGING.
7. CALL/ LOAD - ABILITY TO CALL MACHINE LANGUAGE PROGRAMS AND EXECUTE THEM FROM THE BASIC PROGRAM.
8. CURSOR CONTROL - ABILITY TO POSITION THE CURSOR ANYWHERE ON THE SCREEN
9. EXIT - ABILITY TO EXIT A FOR...NEXT LOOP ON A CERTAIN CONDITION.
10. MATRIX OPERATIONS - THESE ARE SPECIAL MATHEMATICAL FUNCTIONS ON 2 DIMENSIONAL ARRAYS.

THERE ARE SO MANY, I COULD GO ON AND ON. THERE IS NO WAY WE COULD TEST ALL OF THESE FUNCTIONS, BUT SINCE NEVADA BASIC HAS BEEN AROUND FOR AWHILE I HAVE TO ASSUME IT IS RELATIVELY BUG FREE.

MOST OF THE WORK WE DID WAS TO CONFIGURE IT TO WORK WITH THE ADAM KEYBOARD.

THIS IS A WELCOME ADDITION TO THE ADAM CPM PROGRAMMER.

RATING - A

REVIEWS

NEVADA BASIC (FOR CPM) PART 2 BY L. MARSCHAND

IN PART I OF THIS REVIEW LAST MONTH, I GAVE YOU SOME OF THE FUNCTIONS OF THIS POWERFUL BASIC INTERPRETER. I AM SO GLAD THAT WE HAVE FOUND A REASONABLY PRICED CPM BASIC THAT HAS SO MANY FUNCTIONS. THE ONLY LACK I FOUND IN NEVADA BASIC IS THE FACT THAT IT DOES NOT EDIT EACH LINE AS YOU INPUT IT LIKE SMARTBASIC DOES. HOWEVER, I DON'T THINK THIS IS A REAL BIG PROBLEM SINCE SUCH A POWERFULL FULL SCREEN EDITOR IS INCLUDED TO FACILITATE THE CORRECTION OF ERRORS. I WILL REVIEW SOME OF THE FUNCTIONS OF NEVADA:

"A HUMAN BEING NEVER STANDS SO TALL, AS WHEN STOOPING TO HELP A SMALL COMPUTER." - INFOCOM MOTTO

FINALLY, THE WORLD OF INFOCOM GAMES HAS BEEN OPENED UP TO ADAMITES. YES, YOU HEARD ME, THE WORLD'S BEST ALL TEXT ADVENTURE GAMES CAN NOW BE RUN ON YOUR ADAM COMPUTER (IF YOU HAVE CP/M). ELLIAM ASSOCIATES HAS THE RIGHTS TO TRANSFER ALL INFOCOM CP/M GAMES FROM THE 8" DISK FORMAT TO ADAM FORMATTED DISKS. THE BEST PART IS THEY CHARGE THE SAME PRICE FOR THIS SERVICE AS IF YOU HAD BOUGHT THE GAME ORIGINALLY IN THE ADAM FORMAT (IT EVEN COMES IN THE ORIGINAL PACKAGING).

I CALLED ELLIAM ASSOCIATES ON A FRIDAY EVENING AND BY THE NEXT TUESDAY UPS HAD DELIVERED MY COPY OF "DEADLINE", INFOCOM'S INTERACTIVE MURDER MYSTERY. IF YOU'VE NEVER PLAYED ANY INTERACTIVE FICTION THE BEST WAY I CAN DESCRIBE IT TO YOU IS TO SAY THAT IT IS LIKE BEING IN A MOVIE IN WHICH YOU GET TO MAKE ALL THE DECISIONS. YOU ARE A POLICE INSPECTOR AND HAVE

TWELVE HOURS TO SOLVE A "POSSIBLE" MURDER. THERE ARE PLENTY OF SUSPECTS INCLUDING A WIFE, A SON, A PERSONAL SECRETARY, EVEN A GARDNER (SORRY, THERE IS NO BUTLER). WHAT MAKES THIS GAME INTERESTING IS ITS OPEN ENDEDNESS. THINGS HAPPEN THROUGHOUT THE DAY EVEN IF YOU ARE NOT THERE TO SEE THEM. FOR INSTANCE, ONE OF THE SUSPECTS MIGHT DECIDE TO MAKE AN IMPORTANT PHONE CALL. IF YOU DON'T REALIZE IT AND PICK UP THE EXTENSION YOU MIGHT NEVER EVEN KNOW SHE MADE A CALL. ANOTHER GOOD EXAMPLE IS THE READING OF THE MURDERED MAN'S WILL. THIS TAKES PLACE AT ABOUT NOON (I SAY "ABOUT" NOON BECAUSE SOMETIMES THE OTHERS DON'T ALWAYS SHOW UP ON TIME AND THE READING IS DELAYED). IF YOU DON'T KEEP YOUR EYE ON THE TIME YOU MAY NOT MAKE IT TO THE LIVING ROOM IN TIME TO HEAR IT BEING READ. YOU WILL THEN HAVE TO QUESTION SOMEONE WHO WAS THERE TO FIND OUT WHAT HAPPENED.

IF YOU ARE A MYSTERY FAN THIS GAME IS A MUST (IT COSTS \$47.00). AFTER YOU ARE DONE YOU CAN GET "WITNESS" A 1930'S MURDER MYSTERY IN WHICH YOU ARE THE PRIME SUSPECT (\$39.00). BE WARNED THOUGH: INFOCOM GAMES ARE NOT EASY, BUT THEY ARE SATISFYING.

RATING - A++

REEDY LIBRARY BY L. MARSCHAND

THIS SET OF SMARTBASIC PROGRAMS WAS DEVELOPED BY REEDY SOFTWARE OF ALTO, MICHIGAN. IT CONTAINS 8 PROGRAMS/ROUTINES WITH A NICE 12 PAGE INSTRUCTION BOOKLET. I WILL REVIEW EACH ONE:

1. MICHIGANA - A TEXT ADVENTURE GAME WHERE YOU AS THE HERO, MICHIGANA JONES HAVE TO SEARCH AN OLD HOUSE TO FIND THE GOLDEN IDOL WITHOUT LOSING A LIFE AND BEFORE YOUR STRENGTH REACHES ZERO. THE HOUSE HAS 4 LEVELS AND 50 ROOMS WHICH YOU SHOULD MAP OUT AS YOU GO. CLUES MUST BE FOUND THAT WILL LEAD YOU TO THE IDOL. TWO WORD COMMANDS ARE USED TO DIRECT YOUR EFFORT. THE GAME IS INTERESTING AND CHALLENGING- IT IS 24 BLOCKS LONG, WHICH INDICATES IT AMOUNT OF WORK THAT WENT INTO IT. IF YOU LIKE ADVENTURE GAMES, THIS IS A GOOD ONE FOR YOU.

2. ADAMADDING - A MATH DRILLING EXERCISE THAT HAS 6 SKILL LEVELS FROM 1 DIGIT TO 4 DIGIT ANSWERS. THE PROGRAM USES COLOR VERY NICELY AND READS THE ANSWER WITHOUT REQUIRING RETURN TO BE PRESSED. YOU CAN SET THE NUMBER OF QUESTIONS ASKED IN EACH ROUND AND A SUMMARY OF YOUR SCORE IS DISPLAYED AT THE END OF THE ROUND. A GOOD DRILL FOR KIDS.

3. ADAMCODE - A CODING/ ENCODING PROGRAM THAT ALLOWS MESSAGES TO BE CODED INTO NUMERICAL CODES. A DECODING ROUTINE IS ALSO PROVIDED. NIFTY FOR KIDS TO PLAY WITH.

4. DEC-TO-HEX - PRINTS OUT A CHART OF DECIMAL AND HEXIDECIMAL EQUIVALENTS.

5. VIDEOPAINT - A LOW RESOLUTION PICTURE CREATOR AND EDITOR. THIS IS ABOUT THE BEST LOW RESOLUTION DRAWING PROGRAM I HAVE SEEN. ENHANCED FUNCTIONS INCLUDE THE ABILITY TO "LIFT" THE BRUSH AND MOVE, READING THE DDP/ DISK CATALOG WITHOUT LEAVING THE PROGRAM, ONLINE INSTRUCTIONS, ABILITY TO CHANGE ALL OF ONE COLOR TO ANOTHER. SAVE AND LOAD ROUTINES ARE INCLUDED WHICH STORE THE PICTURE IN A 39X39 DIMENSIONED ARRAY THAT TAKES ABOUT 4 BLOCKS ON DDP/ DISK.

6. SUBMAKER - THIS PROGRAM TAKES A PICTURE FILE THAT WAS SAVED TO DDP/ DISK WITH VIDEOPAINT AND CREATES A ROUTINE OF DATA STATEMENTS THAT CAN BE INCORPORATED INTO ANY PROGRAM. THIS IS A REAL NICE FACILITY THAT INTEGRATES YOUR PICTURES RIGHT INTO YOUR EXISTING PROGRAMS AS SUB-ROUTINES THAT CAN BE CALLED WHEN NEEDED. THE ONLY PROBLEM IS THAT THE SCREEN PICTURE IS SAVED IN A 39X39 ARRAY WHICH GENERATES ALOT OF DATA STATEMENTS !

7. SAVESUB AND LOADSUB - ROUTINES THAT SAVE AND LOAD PICTURES FROM DDP/ DISK. THESE ROUTINES CAN ALSO BE INCLUDED IN YOUR PROGRAMS IF YOU WANT TO SAVE AND LOAD PICTURES DURING THE PROGRAM. LOADSUB IS AN ALTERNATIVE TO SUBMAKER ABOVE THAT CAN READ IN A PICTURE FROM DDP/ DISK RATHER THEN HAVE IT AS A PERMANENT PART OF YOUR PROGRAM VIA DATA STATEMENTS.

8. SAVEPICT AND LOADPICT - TWO STANDALONE PROGRAMS THAT CAN SAVE A PICTURE ON THE SCREEN AND LOAD ONE IN FROM DDP/ DISK.

9. TEXTEDITOR - TAKES WHATEVER TEXT YOU ENTER AND DRAWS IT IN BIG LETTERS WITH HIGH RESOLUTION PLOTS. NICE PROGRAM FOR PUTTING BIG INSTRUCTIONS ON YOUR SCREENS.

OVERALL, I WAS IMPRESSED WITH THE QUALITY OF THESE PROGRAMS AND THE FACT THAT YOU GET ALOT OF VARIETY WITH YOUR PURCHASE. THE USE OF THE PICTURE ROUTINES CAN GREATLY ENHANCE YOUR PROGRAMS.

RATING - A

CHART & GRAPH ASSEMBLER

BY: C & D ENTERPRISES

DISTRIBUTED BY: EXTENDED SOFTWARE COMPANY

REVIEW: W. MOTEL

THIS BASIC PROGRAM IS USED TO PRODUCE YOUR CHOICE OF PIE, BAR, LINE OR STOP GRAPHS. THE BAR GRAPH (ONLY THIS ONE) CAN BE PRINTED ON THE PRINTER. THE GRAPHS ARE PRODUCED ON THE SCREEN IN HI-RES.

ONCE THE PROGRAM STARTS, YOU ARE PROMPTED THROUGH A SERIES OF QUESTIONS REGARDING THE TYPE OF GRAPH WANTED AND YOUR DATA VALUES. AFTER THE GRAPH IS PRESENTED, YOU CAN NOW CHOOSE TO USE THE SAME DATA WITH A DIFFERENT GRAPH OR RESTART WITH DIFFERENT DATA.

ALTHOUGH WHAT IS HERE IS FAIRLY WELL DONE, I REALLY DON'T KNOW IF THIS IS WORTH IT. FIRST, YOU CAN ONLY PRINT BAR CHARTS. ALSO, YOU CAN ONLY USE A MAXIMUM OF TEN DATA VALUES, WHICH MUST BE ENTERED IN VIA PROGRAM PROMPTS. IT DOES NOT HAVE THE CAPABILITIES TO READ THESE IN FROM AN EXTERNAL FILE. THE BAR, STEP AND LINE CHART DISPLAY THE GRAPH AND THEN DISPLAY THE ACTUAL DATA VALUES. FOR SOME STRANGE REASON, THE PIE CHART ONLY SHOWS THE GRAPH, BUT NOT THE ACTUAL VALUES.

THE DISPLAY OF THE GRAPHS IS CLEAR. THE PIE GRAPH IS A GREEN CIRCLE WITH SEGMENTS FOR EACH DATA VALUE TYPED IN. THE STEP, BAR AND LINE GRAPHS ALL USE A BLUE CHART WITH ORANGE FOR THE ACTUAL PLOTTING. YOU CAN CHANGE THE SCALE FACTOR ON THESE LAST THREE.

OVERALL, I DON'T RECOMMEND THIS. WHAT IS THERE IS OKAY, BUT I JUST DON'T THINK IT'S WORTH THE MONEY FOR THE LIMITED USE IT HAS.

RATING - NOT RECOMMENDED

THE WORD PLUS BY C KOLANDER

THE WORD PLUS IS A SPELLING CHECKER FROM OASIS SYSTEMS UNDER THE CP/M 80 OPERATING SYSTEM. ALTHOUGH VERY EXPENSIVE (100.00+ DOLLARS) IT IS A SUPER PROFESSIONAL PROGRAM SET. IT CAN NOT ONLY CHECK YOUR SPELLING, BUT CAN ALSO FIND WORDS, COUNT THE AMOUNT OF WORDS, SOLVE ANAGRAMS AND MUCH MORE. IT WILL RUN/WORK WITH MANY OF THE POPULAR CP/M WORD PROCESSORS. THE DICTIONARY IS EXTENSIVE, WHICH BRINGS UP THE ONLY PROBLEM WITH THIS PROGRAM AND ADAM. BECAUSE THE DICTIONARY IS SO LARGE (133K), THE PROGRAM DOESN'T WORK ALL THAT WELL ON ADAM'S DISK DRIVES. YOU NEED TO HAVE THE DICTIONARY AND 4 OTHER PROGRAMS ON ONE DISK AS WELL AS HAVE ROOM FOR ANY SPECIAL OR UPDATE DICTIONARIES. ALTHOUGH THE DATA DRIVES HAVE THE SPACE, IT CAN TAKE UP TO 45 MIN. FOR THE PROGRAM TO CHECK A SMALL FILE! I HAVE TRIED TO USE THE SYSTEM IN DIFFERENT CONFIGURATIONS, BUT HAVE HAD NO SUCCESS. THE ONLY WAY TO USE THE CHECKER ON DISK IS TO USE EACH PROGRAM SEPARATELY, WITH RUNS REAL FAST.

WHEN THE PROGRAMS ARE RUN TOGETHER FROM THE MAIN TH.COM PROGRAM THE CHECKER IS REAL EASY TO USE. A MENU COMES UP, ASKS YOU THE NAME OF THE FILE AND A FEW OTHER OPTIONS SUCH AS THE NAME OF YOUR SPECIAL DICT., MARKING CHARACTER, ECT. ALL OF YOUR SETTINGS CAN THEN BE SAVED SO YOU DON'T HAVE TO GO THROUGH THE SET UP AGAIN. THE PROGRAM THEN RUNS SPELL.COM WHICH CHECKS YOUR FILE, TELLS YOU HOW MANY UNIQUE AND

MISSPELLED WORDS YOU HAVE AND THEN RUNS REVIEW.COM. REVIEW ALLOWS YOU TO LOOK AT THE WORDS THE CHECKER THINKS YOU MISPELLED ONE AT A TIME. FROM A MENU YOU CAN CHOOSE TO LOOK UP THE WORD, CORRECT IT, SAVE IT TO AN UPDATE DICT., OR HAVE THE WORD MARKED SO YOU CAN CHECK IT LATER. ONE OF THE REALLY NICE THINGS REVIEW ALLOWS YOU TO DO IS SEE IN WHAT CONTEXT YOU USED THE WORD IN SO YOU CAN MAKE SURE THAT THE WORD IS CORRECT. THE DISKS COME WITH ABOUT 14 DIFFERENT PROGRAMS ON THEM. THE PROGRAMS RANGE FROM A FIND PROGRAM THAT ALLOWS YOU TO LOOK UP WORDS BUY PATTERNS (YOU DON'T HAVE TO KNOW ALL THE LETTERS, WHICH CAN BE USEFUL WHEN DOING A CROSSWORD PUZZLE) TO A WORDFREQ PROGRAM THAT HELPS KEEP TRACK OF HOW MANY TIMES YOU USE A WORD.

THERE ARE MANY, MANY MORE FEATURES TO THIS SPELLING CHECKER THAT I'M NOT GOING TO GET INTO HERE. THIS IS GOT TO BE ONE OF THE BEST PROGRAMS OF THIS TYPE I'VE EVER USED, AGAIN IT'S JUST TOO BAD THAT OUR DRIVES CAN'T HANDLE IT. I GUESS WHEN THE DISK CONTROLLER COMES OUT THIS PROGRAM WILL BE BETTER USED WITH ADAM. I RATE THE PROGRAM IT SELF AN A+, BUT WITH ADAM A B.

QUIKFAX QUEST 1
BY DATA DOCTOR

REVIEW W. MOTEL

THIS WAS SENT TO US THE OTHER DAY BY A NEW THIRD PARTY SOFTWARE COMPANY. FROM WHAT I SEE HERE, I HOPE THEY CONTINUE. THEIR FIRST EFFORT IS AN EDUCATIONAL PACKAGE CONSISTING OF U.S. CAPITALS, WORLD CAPITALS (197), AND ELEMENTS OF CHEMISTRY (103). THE 3 QUIZES EACH CONSIST OF OPTION FOR 1 OR 2 PLAYERS. WITH 2 PEOPLE, YOU EACH USE A CONTROLLER AND RACE THE CLOCK TO ANSWER THE MULTIPLE CHOICE QUESTIONS. POINTS ARE AWARDED BASED ON TIME, AND IF INCORRECT, YOU GET NEGATIVE POINTS FOR THE WRONG ANSWER. WITH 1 PERSON, YOU CAN TAKE THE QUIZ THIS WAY OR YOU CAN SELECT THE FILL IN THE BLANK OPTION. THIS EVEN HAS A HINT OPTION, WHERE THE FIRST AND LAST LETTER OF THE ANSWER IS SHOWN.

YOU HAVE THE OPTION OF SELECTING THE NUMBER OF QUESTIONS YOU WANT AND ALSO HAVE THE OPTION OF REVIEWING THE QUESTIONS/ANSWERS FOR STUDY ON THE SCREEN OR YOU CAN GET A HARDCOPY.

ALL IN ALL, YOU HAVE VARIOUS WAYS IN WHICH YOU CAN USE THE QUIZES FOR DRILL OR STUDY. THE CHEMISTRY DATABASE COVERS ATOMIC NUMBERS, ATOMIC WEIGHTS, AND SYMBOLS.

THEY HAVE WRITTEN THE PROGRAMS IN BASIC, BUT THEY ARE NOT READILY LISTABLE. THEY HAVE ISSUED A CHALLENGE TO THE HACKERS TO FIND THE ACCESS INTO THESE PROGRAMS. I HAVE BROKEN THE CODE AND AS THEY HAVE SAID, THEY HAVE USED SOME ENHANCED ROUTINES TO CHANGE BASIC. THE WAY THE PROGRAMS ARE STORED WAS ALSO INTERESTING, AS IT MAKES IT LOOK AS IF THEY ARE BINARY-MACHINE LANGUAGE PROGRAMS AND NOT BASIC.

THE PROGRAMS ALL USE VERY NICE COLOR SCREENS, WITH THE DATA PRESENTED IN A VERY PLEASING MODE. THEY HAVE USED A MULTI-LOAD APPROACH WHERE SMALLER PROGRAM SEGMENTS ARE LOADED IN INDIVIDUALLY. EACH OF THE 3 QUIZES EVEN START OUT WITH EXCELLENT HI-RES SCREENS. YOU CAN EVEN CHANGE THE COLOR COMBINATIONS ON THE QUIZ SCREENS, MUCH LIKE YOU CAN IN ADAMCALC. THEY HAVE INCORPORATED A PAUSE CONTROL ON THE TIME TESTS, SO YOU CAN ANSWER THE PHONE OR WHATEVER. THEY HAVE A VERY WELL DOCUMENTED 15 PAGE MANUAL THAT ALSO COMES WITH THE PACKAGE. THEY EVEN GIVE STUDY-USE TIPS.

I AM IMPRESSED WITH THIS INITIAL EFFORT. THEY HAVE DONE A FINE JOB ON THE QUIZES AND THE OPTIONAL USAGES THEY HAVE PROVIDED. WHAT IMPRESSES ME MOST, IS THE EXCELLENT, PROFESSIONAL PROGRAMMING JOB THEY HAVE DONE. THEY HAVE TAKEN CARE TO ADD NICITIES IN THE PROGRAM THAT NORMAL HASN'T BEEN FOUND ON ADAM THIRD PARTY SOFTWARE. ALTHOUGH I HAVEN'T FIGURED OUT ALL THE BASIC ENHANCEMENTS YET, I CAN TELL THAT THEY ARE TAKING AN INTEREST IN SUPPORTING THE ADAM. I HOPE THEY CONTINUE AND I HOPE YOU, THE USER, SUPPORT THEM.

RATING - A (9)

SMARTGAMES PACK BY L. MARSCHAND

THESE THREE SMART BASIC GAMES WERE WRITTEN BY OUR OWN BOB LENNES, WHO WRITES OUR SMART BASIC WORKSHOP COLUMN. I GIVE BOB A LOT OF CREDIT FOR HIS WORK ON THESE GAMES. THEY ARE VERY WELL DONE, USE A LOT OF COLOR AND SOME NICE ROUTINES THAT MAKE THEM A CUT ABOVE THE AVERAGE.

THESE GAMES ARE ACTION ORIENTED AND ALL USE THE HAND CONTROLLERS.

MAZE ESCAPE

RANDOM (UP TO 1,000 VARIATIONS!) GRAPHIC MAZES ARE GENERATED IN EACH ROUND FOR ONE OR TWO PLAYERS. YOU MUST MANEUVER THE MAZE AGAINST THE CLOCK TO GET A HIGH SCORE. THESE ARE COMPLICATED MAZES THAT ARE NOT EASY!

TREASURE SEARCH

THIS IS A VARIATION OF GAMES LIKE TEMPLE OF ASPHALT. YOU MOVE FROM ROOM TO ROOM AND MUST PICK UP SEVEN TREASURES WHILE AVOIDING A "GHOST" WHO RELENTLESSLY PURSUES YOU. IF YOU TAKE TOO LONG, YOU WILL LOSE ALL THE TREASURE YOU HAVE ACCUMULATED. EACH TREASURE IS A DIFFERENT GRAPHIC SYMBOL. THIS IS A CHALLENGING GAME.

SPACE CHASE

THIS TWO-PLAYER GAME IS THE BEST OF THE THREE. IT EMPLOYS HI-RES GRAPHICS AND COLOR SPIRITES. YOU COMMAND A SHIP IN SPACE AND HAVE FOUR LAZER GUNS (LEFT, RIGHT, UP AND DOWN) TO FEND OFF ATTACKING ALIEN SHIPS WHOSE MISSION IS TO CRASH INTO YOU. ADDITIONALLY, YOU CONTROL THE GAME'S SPEED. YOUR FORCE FIELD CAN ENDURE FIVE CRASHES, AFTERWHICH YOU'RE DONE FOR. THIS IS A FAST-ACTION GAME WITH VERY PLEASING COLOR GRAPHICS -- SEE HOW HIGH A SCORE YOU CAN GET!

A WELL DONE INSTRUCTION BOOK IS INCLUDED, WHICH PROVIDES YOU WITH ALL THE INFORMATION YOU NEED.

THIS THREE-IN-ONE GAME PACK IS A GREAT BARGAIN FOR THE PRICE OF \$9.95 (DISK) \$11.95 (DDP). LET'S ENCOURAGE BOB TO CONTINUE HIS FINE WORK.

RATING - A

THE ADAM SMART GAMES PACK

CREATED BY BOB LENNES

INSTRUCTIONS FOR SPACE CHASE

It is the 23rd Century, a permanent space base was founded in a distant galaxy far from earth. The space base discovered too late that the galaxy was controlled by a group of aliens from a nearby planet. The ruthless aliens attacked the space base. The space base decided to send you, their only hope, to destroy the aliens before they destroyed the entire space base.

Armed with short range lasers, you must destroy as many of the suicidal aliens as you can before they crash into you. You have limited shields, so they can hit you several times before you are destroyed. After each wave, the space base will refurbish your shields before the next wave of aliens attack.

REVIEW SUMMARY

CATEGORY	PRODUCT	PRICE	NIAD REVIEW	
OPERATING SYSTEM/ LANGUAGE	CPM 2.2	\$49.95	JAN/FEB 85 RATING - A+	- CPM 2.2 IS THE ACCEPTED "STANDARD" OPERATING SYSTEM FOR SMALL COMPUTERS. ADAM CPM IS A FULL FLEDGED IMPLEMENTATION THAT CONTAINS ALL THE INDUSTRY STANDARD CAPABILITIES AND ALLOWS THE RUNNING OF NUMEROUS COMMERCIAL AND PUBLIC DOMAIN PROGRAMS.
	EXTENDED BASIC UTIL	\$18.95	APR 85 RATING - B+	- EBU ADDS FUNCTION TO ADAM SMARTBASIC 1.0, E.G. THE ABILITY TO CHANGE BACKGROUND AND TEXT COLOR, MUSIC, LINE RENUMBERING AND HEX TO DECIMAL CONVERSION.
	AUTO AID	\$29.95	JUN 85 RATING - A	- AUTO AID ADDS FUNCTIONS TO ADAM SMARTBASIC 1.0, SPECIFICALLY, AUTOMATIC LINE NUMBERING, DEFINING OF FUNCTION KEYS, ETC. ASSEMBLY LANGUAGE ROUTINES ARE INCLUDED TO USE SOUND, GRAPHICS, SPRITES, COLOR, READ/WRITE TO 64K MEMORY EXPANDER.
	NEVADA CPM BASIC	\$39.95	AUG/SEP 85 RATING A+	- NEVADA BASIC IS A CPM OPERATING SYSTEM BASED BASIC INTERPRETER, MODIFIED BY NIAD FOR THE ADAM. NEVADA BASIC PROVIDES MANY ADDITIONAL FUNCTIONS OVER SMARTBASIC AND IS EQUIVALENT TO THE POPULAR MICROSOFT BASIC.
UTILITY PROGRAMS	HST CAT #2 FOR CPM	\$15.00	MAY 85 RATING A	- THIS PROGRAM FOR CPM2.2 SETS UP A CATALOG OF EACH OF YOUR CPM DISKS AND PRINT IT IN VARIOUS FORMATS TO HELP MANAGE YOUR GROWING MEMBER OF CPM FILES!
	NIAD BASIC UTILITIES I	\$ 6.00	N/A	- THIS SET OF PUBLIC DOMAIN UTILITY PROGRAMS FOR SMARTBASIC INCLUDES A BACK UP COPYING PROGRAM (TAPE TO DISK, TAPE TO TAPE, ETC.), A FILE READ/DUMP/PRINT, FONT EDITOR AND SCREEN/TEXT COLOR SELECTOR AMONG OTHERS.
	BACKUP +2.0	\$34.95	JUN 85 RATING - A	- BACKUP + 2.0 IS A MACHINE LANGUAGE COPY PROGRAM FOR BACKING DISKS AND DDP'S. IT IS VERY FAST AND ALLOWS FOR INDIVIDUAL FILE COPYING AS WELL.
	ASCAM (CPM)	\$139.00	JUN 85 RATING - B	- ASCAM IS A CPM MODEM COMMUNICATIONS PACKAGE THAT SUPPORTS UP/DOWN LOADING OF CPMFILES IN VARIOUS FILE TRANSFER MODES. VERY COMPREHENSIVE BUT HIGH PRICED.
	PACKCOPY	\$32.95	APR 85 RATING - D	- PACKCOPY IS A BACKUP COPY PROGRAM WRITTEN IN SMARTBASIC-HAS LIMITED FUNCTION.

ADAMCALC	\$31.95	JAN 85 RATING - A+	- ADAMCALC IS A FULL FUNCTION ELECTRONIC SPREADSHEET PROGRAM-ALLOWS UP TO 255 ROWS AND 255 COLUMNS. ALL THE FEATURES OF VISICALC AND THE OTHER POPULAR SPREADSHEETS ARE INCLUDED, EVEN "WINDOWS" TO AID IN SPREADSHEET DEVELOPMENT. A MUST FOR EVERY ADAM OWNER.
SMARTFILER	\$15.95	N/A - SEE FILER WKSHF	- SMARTFILER IS A GENERAL PURPOSE DATABASE PROGRAM. IT SUPPORTS UP TO A THOUSAND RECORDS PER DATABASE AND 255 CHARACTERS PER RECORD. FOUR SEARCH FIELDS ARE SUPPORTED WITH ALPHA/NUMERICS SEARCH CAPABILITY. EXCELLENT PROGRAM FOR THE FUNCTIONS PROVIDED.
RECIPEFILER	\$15.95	"	- RECIPE FILER IS A PROGRAM ADAPTED FROM SHARTFILER WHICH STORES AND RETRIEVES RECIPES. A SHOPPING LIST IS ALSO PRODUCED.
EXPERTYPE	\$31.95	JAN 85 RATING - B	EXPERTYPE IS A TOUCH TYPING DRILL PROGRAM THAT IS USEFUL FOR THE BEGINNER AND INTERMEDIATE TYPIST. TWELVE LESSONS/DRILLS ARE PROVIDED WITH AN ANALYSIS OF KEYING ERROR PERCENTAGES BY KEY.
SMARTYPE	\$24.94	AUG 85 RATING - B	- SMARTYPE IS A BASIC PROGRAM THAT PERFORMS SPECIAL WORD PROCESSING FUNCTIONS <u>NOT</u> DONE BY SMARTWRITER-CENTERING, LEFT AND RIGHT MARGIN JUSTIFICATION, 2 COLUMN PRINTING.
FLASHCD MKR TRIVIA HISTORY VOCABULATOR	\$20.95	MAR 85 RATING - A	- FLASHCARD MAKER IS A PROGRAM TO MAKE AUTOMATED FLASH CARDS! THE QUESTION/ANSWERS ARE DISPLAYED IN A DRILLING FASHION (ENTER RANDOMLY OR IN A SET ORDER) ALLOWS CREATION OF YOUR OWN FLASHCARDS. THROUGH PREPROGRAMMED "DECKS" ARE ALSO AVAILABLE-TRIVIA, VOCABULATOR AND HISTORY.
R. SCARRY'S ELEC WDBOOK	\$20.95	JAN 85 RATING -A+	- R. SCARRY'S WORDBOOK IS A CARTOONISH EDUCATIONAL PROGRAM FOR CHILDREN 3-8 YEARS OLD. CHARACTERS FROM THE R. SCARRY BOOKS ARE DISPLAYED AND MANIPULATED TO TEACH WORD ASSOCIATION. GRAPHICS ARE EXCELLENT AND ACCOMPANIED BY SOPHISTICATED MUSICAL SCORES. FOUR LEVELS OF PLAY WITH 24 SCREENS.
VIDEOTUNES	\$26.95	MAR 85 RATING -A-	- VIDEOTUNES IS A MUSIC COMPOSITION PROGRAM THAT USES THE FULL CAPABILITIES OF THE ADAM'S MUSICAL FUNCTIONS. A SHEET OF MUSIC IS SCROLLED ACROSS THE SCREEN. EACH SONG CAN HAVE UP TO 1000 NOTES AND 3 VOICES.
DAWN		MAY 85 RATING -B	- DAWN IS A GENERAL PURPOSE DATABASE PROGRAM WRITTEN IN SMARTBASIC. ALL FIELDS CAN BE USED AS SEARCH FIELDS AND BE 40 ALPHA/NUMERIC CHARACTERS LONG.
HOUSEHOLD II LIBRARY	\$39.95	JUL 85 RATING - E	- HOUSEHOLD II LIBRARY IS A COLLECTION OF 15 SMARTBASIC PROGRAMS OF A GENERAL PURPOSE HOME USE.
LVAC ARCHVEI	\$20.00	JUL 85 RATING -A	- LVAC ARCHIVES I IS A SERIES OF 8 SMARTBASIC PROGRAMS THAT ARE EDUCATION ORIENTED. EXCELLENT USE OF GRAPHICS AND COLOR AND GOOD VARIETY. THE GRAPHIC IQ TEST IS EXPECIALLY GOOD.

QUICKFAX QUEST	\$22.95	SEP 85 RATING - A	- QUICKFAX QUEST IS A VERY WELL DONE, COMPREHENSIVE EDUCATIONAL PROGRAM FOR JUNIOR HIGH/HIGH SCHOOL, CONTAINS A STATE AND WORLD CAPITOLS QUIZ(197) AND ATOMIC ELEMENTS QUIZ(103).
CHART/GRAPH	\$24.95	SEP 85 RATING - F	- CHART/ GRAPH IS A PROGRAM FOR PRINTING OUT BARGRAPHS ON THE ADAM PRINTER AND PIE AND OTHER GRAPHS OUT ON THE SCREEN.
WORDPLUS (CPM)	\$100.00	SEP 85 RATING - B	- WORDPLUS IS A CPM PROGRAM FOR CHECKING THE SPELLING OF CPM FILES.
MULTI PURPOSE PROGRAMS/ BOOKS			
SMARTBASIC BONANZA	\$29.95	MAR 85 RATING - A	- SMARTBASIC BONANZA IS A COLLECTION OF 18 SMARTBASIC PROGRAMS INCLUDING GAMES, UTILITIES, EDUCATION AND ROUTINES FOR YOUR USE IN WRITING PROGRAMS(MUSIC, OTHELLO, ASSEMBLER/DISASSEMBLER, TEXT ADVENTURE, ETC.)
HOME SOFTWARE LIBRARY	\$49.95	JUN 85 RATING - C	- HOME SOFTWARE LIBRARY IS A COLLECTION OF 32 SMARTBASIC PROGRAMS AND A 275 PAGE BOOK CONTAINING THE 32 PROGRAM LISTINGS, EXPLANATIONS AND SUGGESTED MODIFICATIONS. GOOD MATHEMATICAL PROGRAMS.
INFO FOR ADAM EXPLRS/ HACKER GUIDE TO ADAM	\$11.95 \$12.95	FEB 85 RATING - A RATING - A	- INFORMATION FOR ADAM EXPLORERS AND HACKERS GUIDE TO ADAM ARE 2 SMALL BOOKS THAT CONTAIN A VARIETY OF ADAM TECHNICAL INFORMATION (VIDEO, SOUND), HARDWARE DATA AND PROGRAMS FOR THE CURIOUS ADAM USERS, ETC.
RTB I/REB II	\$26.95	APR 85 RATING - A	- RTB I/II IS A 2 DDP TAPE SET OF INSTRUCTIONS AND SOME BASIC PROGRAMS FOR THE ADAM. A TUTORIAL FORMAT IS UTILIZED WHICH PRESENTS TEXT VIA THE ADAM. RECOMMENDED FOR THE NOVICE ADAM USER-INSTRUCTIONS ON SMARTWRITER AND BASIC ARE PROVIDED WITH EXAMPLES AND EXERCISES TO REINFORCE THE LESSONS.
SOFTPACK I	\$18.95	JUL 85 RATING - A	- SOFTPACK I IS A SERIES OF 4 SMARTBASIC PROPROGRAMS FOR MANAGING YOUR CHECKBOOK. CHECKS, DEPOSITS, CREDITS, ETC. ARE ENTERED THEN THE CLEARED CHECK #'S ARE ENTERED FROM YOUR BANK STATEMENT-ADAM THEN RECONCILES. A NAME AND ADDRESS DATABASE IS ALSO INCLUDED FOR CREATING AND PRINTING OF NGA ON ENVELOPES, LABELS, ETC.
REEDY LIB'Y	\$22.95	SEP 85 RATING - A	- THE REEDY LIBRARY IS A TOP NOTCH SET OF 7 SMARTBASIC ROUTINES INCLUDING A LOW-RES PAINTING PROGRAM, A TEXT ADVENTURE GAME AND PROGRAMMING AIDS FOR PUTTING GRAPHICS IN YOUR PROGRAMS.
			REEDY LIB'Y \$22.95 SEP 85 RATING - A

GAMES - MULTIPLE
ON DDP/DISK

BEST OF
BRODERBUND \$24.95

FEB 85
RATING - B

GAMES - CARTRIDGES DAMBUSTERS \$18.95

MAY 85
RATING -A+

SMARTGAMES
PACK \$ 9.95

SEP 85
RATING - A

BC:GROG'S \$18.95
REVENGE APR 85
RATING -A

ILLUSIONS \$18.95
APR 85
RATING -B-

SPYHUNTER \$18.95
APR 85
RATING -A+

GAMES - TEXT
ADVENTURE

FANTASY
GAMER \$29.95

JUN 85
RATING -A+

ROOTBEER \$18.95
TAPPER MAY 85
RATING -B

Adv Pk I/II \$19.95

JAN 85
RATING - A

MEMBER COMMENTS/

QUESTIONS & ANSWERS

BOUNTY HUNTR \$19.95

N/A

. I'M LOOKING FOR GRAMMAR AND READING PROGRAMS FOR USE
IN LANGUAGE ARTS WITH SECONDARY STUDENTS AT THE 4TH TO
6TH GRADE LEVEL - BOTH IN BASIC AND USING THE
LIST/SENTENCE CAPABILITIES OF LOGO.

I'M ALSO LOOKING FOR PROGRAMS TO HELP IN GENEALOGY,
STAMP COLLECTING AND LEARNING SPANISH TOO.

J. ALBEE

- JOHN, I'M NOT AWARE OF ANY GRAMMAR PROGRAMS. THERE
ARE SOME NICE WORD GAMES ON THE LVAC ARCHIVES I DDP
(SEE REVIEW IN JULY ISSUE). ALSO, WE WILL REVIEW
ANOTHER SET OF WORD ORIENTED PROGRAMS NEXT MONTH. THE
WACKY WORD GAME BY COLECO IS ALSO GOOD FOR
SENTENCE/WORD USE.

SEEMS TO ME SOMEONE HAD USED SMARTFILER FOR STAMP
COLLECTIONS. NIAD MEMBERS, PLEASE SEND IN ANY PROGRAMS
THAT COULD HELP JOHN OUT.

DEADLINE
(CPM) \$39.95

SEP 85
RATING -A+

GAMES - DDP

DRAGON'S
LAIR \$24.95

JAN 85
RATING - C

SUPER ZAXXON \$24.95

JAN 85
RATING -A+

. PLEASE LET THE NIAD MEMBERS KNOW THAT THE "L" AND
"LL" IN MY NUMBERS PROGRAM YOU PRINTED LAST MONTH ARE
"L's" NOT "ONE's".

REV. GLENN D. PREWITT

FAMILY FEUD \$20.95

JUL 85
RATING - A

. HERE IS THE SIMPLEST AND EASIEST BASIC PROGRAM FOR
DRAWING HI-RES CIRCLES THAT I HAVE SEEN.

10 HGR2:HCOLOR=3:R=50

20 FOR I=0 TO 6.28 STEP .01

30 X=R*SIN(I):Y=R*COS(I)

40 H PLOT 127+X, 85+Y:NEXT I

"R" IS THE RADIUS. THE NUMBERS 127 AND 85 IN LINE 40 ARE THE COORDINATES OF THE CENTER OF THE CIRCLE.
KIP HAMMOND

- THANKS ALOT KIP (I MUST HAVE MISSED THAT DAY IN GEOMETRY CLASS !!)

. I WAS QUITE SURPRISED TO READ THAT THERE IS NO KNOWN FIX TO THE "CREEPING 1/2 CARRIAGE RETURN " PROBLEM. I THOUGHT EVERYONE KNEW ABOUT THIS "FIX":
INSTEAD OF PRESSING THE CARRIAGE RETURN TO INSERT A BLANK LINE, FIRST PRESS SMART KEY VI (SUPER/SUBSCRIPT), THEN PRESS V (SUBSCRIPT), NEXT PRESS THE SPACE BAR AND THEN PRESS VI (DONE). NOW PRESS CARRIAGE RETURN. THIS CRAZY PROCESS WILL INSURE THAT ONLY ONE LINE IS INSERTED (INSTEAD OF 1 AND 1/2). THERE IS A MUCH SIMPLER SOLUTION, ALTHOUGH IT MAY NOT BE PRACTICAL FOR ALL PRINTING - JUST PRINT A "." ON EACH LINE THAT YOU WANT TO SPACE.

T. KEENE

- THANKS ALOT TOM FOR THE TIPS AND THIS GOES TO SHOW YOU THAT NONE OF YOU SHOULD ASSUME THAT ALL THE OTHER NIAD MEMBERS KNOW SOMETHING. I WAS SPECIFICALLY THINKING ABOUT A SMARTFILER APPLICATION, WHICH UNFORTUNATELY DOES NOT ALLOW SUPER OR SUB SCRIPTS !

. I PURCHASED A COLOR MONITOR AND WAS WONDERING IF YOU KNOW WHERE I CAN GET A SPECIAL CONNECTOR TO HOOK MY EXPANSION MODULE TO IT. I WAS TOLD THAT HONEYWELL COULD MAKE THEM.

L. SMITH

- LEE, HONEYWELL CAN'T MAKE THIS CHANGE, WHICH WOULD REQUIRE THE ATTACHMENT OF A CABLE TO THE CIRCUIT BOARD IN THE COLECOVISION MODULE.
NIAD MEMBERS, ANYONE KNOW OF SOMEWHERE THAT LEE COULD GET THIS DONE ?

. REGARDING PRINTER PROBLEMS: CORRESPONDENCE WITH A FELLOW IN THE EAST GAVE THE INFORMATION DE HAS LESS TROUBLE WITH THE PRINTER IF NO GAME CARTRIDGE WAS LEFT IN THE SLOT BEFORE STARTING WORD PROCESSING. TO PRODUCE A BETTER IMPRESSION FROM THE ADAM PRINTER USE TWO OR THREE SHEETS OF PAPER AND MAKE SURE YOU USE HIGHER QUALITY PAPER - THE CHEAP STUFF FROM THE LOCAL DRUG STORE WILL GIVE YOU LOWER QUALITY.

R. DAHL

- THANK YOU ROBERT FOR THE TIPS.

SOFTWARE EXCHANGE

NIAD SUPPORTS A SOFTWARE EXCHANGE FOR ALL MEMBERS IN ORDER TO SUPPLY PUBLIC DOMAIN AND NON-COPYRIGHTED PROGRAMS. "LIBRARIES" WILL BE MAINTAINED FOR EACH OF THE MAJOR SOFTWARE PRODUCTS BY A NIAD MEMBER. CURRENT LIBRARIANS ARE:

SMARTBASIC >>>>>>>> B. LENNES
14637 ATLANTIC
DOLTON, IL 60419

SMARTLOGO >>>>>>>> BARRY WALLIS
2140 BESSANT ST
SAN BERNADINO, CA 92404

ADAMCALC >>>>>>>> GREG VAN VALKENBURG
701 POND VIEW DR
AUDUBON, PA 19403

UTILITIES >>>>>>>> L. MARSCHAND

CPM 2.2 >>>>>>>>> C. KOLANDER
1295 A PEARL AVE
GLENDALE HTS, IL 60139

SOFTWARE EXCHANGE RULES:

NOTE: WE ARE CHANGING AND WILL PROVIDE LIBRARIES ON DDP OR DISK.

ADDITIONALLY, YOU HAVE THE OPTION TO PURCHASE A SPECIFIC LIBRARY FOR ONLY \$ 6.00 FROM THE NIAD PRODUCT LIST IF YOU DO NOT HAVE A PROGRAM TO EXCHANGE.

IN ORDER TO RECEIVE ALL THE LIBRARY PROGRAMS IN A SPECIFIC LIBRARY SEND A ** DDP ONLY ** WITH ONE PROGRAM FOR THE LIBRARY (ALL PROGRAMS SHOULD BE TESTED AND WELL DOCUMENTED VIA A SEPARATE "README" FILE) TO THE LIBRARIAN. INCLUDE A SELF ADDRESSED AND STAMPED RETURN MAILER. THE LIBRARIAN WILL COPY THE ENTIRE LIBRARY ON YOUR DDP AND RETURN IT TO YOU.

NOTE: I HAVE HAD SOME COMPLAINTS ABOUT THE REQUIREMENT OF SUBMITTING ONE PROGRAM TO GET THE SOFTWARE LIBRARY. PLEASE BE ADVISED THAT THESE PROGRAMS DON'T HAVE TO BE WRITTEN BY YOURSELF. THEY CAN BE ANY NON-COPYRIGHTED PROGRAM THAT YOU MAY GET FROM A BOOK OR MAGAZINE. YOU NON-PROGRAMMERS CAN DO US ALL A GREAT SERVICE BY TYPING IN THESE PROGRAMS, RUNNING THEM TO MAKE SURE THEY WORK AND SENDING THEM IN. I DON'T THINK THIS IS TOO MUCH TO ASK FOR WHAT YOU WILL RECEIVE.

EVERYONE, PLEASE SUBMIT YOUR PROGRAMS TO CREATE AN EXPANSIVE LIBRARY FOR NIAD.

LIBRARY INDEX AS OF 9/20/85:

NOTE: SINCE THE LIBRARY IS SO LARGE, WE WILL NO LONGER LIST THE FILES IN EACH LIBRARY. IF YOU DESIRE THIS INFORMATION PLEASE SEND A STAMPED SELF ADDRESSED ENVELOPE REQUESTING THE PD LIBRARY LIST.
SMARTBASIC VOLUMES 1,2,3 # BNDV1-3

SMARTLOGO VOLUME 1 # LNDVI

ADAMCALC VOLUME I # ANDVI

UTILITIES VOLUME I # UNdVI

CPM VOLUMES 1 THRU 7 # CNDV 1-7

PERIPHERAL'S DESCRIPTION

*** PRINTERS ***

PANASONIC KX-1090

- . TYPE: 9x9 DOT MATRIX
- . SPEED: DRAFT MODE -80CPS (PICA); 96 CPS ELITE
- . PRINT CHAR:BI-DIRECTIONAL; 96 CHAR W/ASCII DEC'S
NORMAL, ELONGATED,CONDENSED,SOME GRAPHICS
- . MEDIA HNDL:ADJ TRACTOR FEED, FRICTION FEED
4" TO 10" PAPER
- . INTERFACE: CENTRONICS 8 BIT PARALLEL
- . BUFFFFER: 1K STANDARD - 4K ADD'L OPTIONAL
- . SIZE: 4.5"x15.9"x11.3"; WEIGHT 15.5 LBS
- . FEATURES: 2 YEAR LIMITED WARRANTY

PANASONIC KX-1091

- . TYPE: 9x9 DOT MATRIX
- . SPEED: DRAFT MODE -120 CPS (PICA & ELITE);
NEAR LTR QUAL - 22 CPS; PROPRTIONL -75
- . PRINT CHAR:BI-DIRECTIONAL; 96 CHAR W/ASCII DEC'S
NORMAL, ELONGATED,CONDENSED,IBM GRAPHICS
ITALICS, IBM SPECIAL CHAR'S
- . MEDIA HNDL:ADJ TRACTOR FEED, FRICTION FEED
4" TO 10" PAPER
- . INTERFACE: CENTRONICS 8 BIT PARALLEL
- . BUFFER: 1K STANDARD - 4K ADD'L OPTIONAL
- . SIZE: 4.5"x15.9"x11.3"; WEIGHT 14.6 LBS
- . FEATURES: 2 YEAR LIMITED WARRANTY

PANASONIC KX-1092

- . TYPE: 9x9 DOT MATRIX
- . SPEED: DRAFT MODE -180 CPS (PICA & ELITE);
NEAR LTR QUAL - 33 CPS; PROPRTIONL -112
- . PRINT CHAR:BI-DIRECTIONAL; 96 CHAR W/ASCII DEC'S
NORMAL, ELONGATED,CONDENSED,IBM GRAPHICS
ITALICS, IBM SPECIAL CHAR'S
- . MEDIA HNDL:ADJ TRACTOR FEED, FRICTION FEED
4" TO 10" PAPER
- . INTERFACE: CENTRONICS 8 BIT PARALLEL
- . BUFFFFER: 7K STANDARD - 4K ADD'L OPTIONAL
- . SIZE: 5.4"x16.3"x13.8"; WEIGHT 19.6 LBS
- . FEATURES: 2 YEAR LIMITED WARRANTY

STAR 10G

- . TYPE: 9x9 DOT MATRIX
- . SPEED: DRAFT MODE - 120 CPS; NLQ -30 CPS
- . PRINT CHAR:BI-DIRECTIONAL, NORMAL,ELONGATED, CONDSD
ITALICS, IBM GRAPHICS/ SPECIAL CHAR'S
- . MEDIA HNDL:ADJ TRACTOR FEED,FRICTION FEED
4" TO 8 1/2 "
- . INTERFACE :CENTRONICS 8 BIT PARALLEL
- . BUFFER: 2K STANDARD
- . FEATURES: 140 DOWNLOADABLE CUSTOM CHARACTERS

SP-1 RS232/ PARALLEL INTERFACE

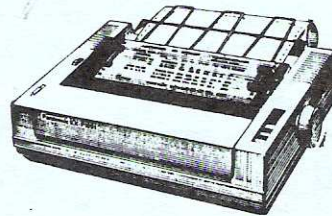
- . ALLOWS CONNECTION TO OTHER PRINTERS
- . SOFTWARE INCLUDED FOR PRINTING FROM CPM AND BASIC
- . PLUGS INTO THE ADAM EXPANSION SLOT

VD-MB 80 COLUMN VIDEO BOARD

- . INCLUDES POWER SUPPLY AND MOTHER BOARD SLOTS
- . OUPUTS 80 COLUMNS TO MONITORS
- . EMULATES POPULAR VT 52/ H-19 SCREEN HANDLING
- . EXPANDS ADAM FOR USE WITH MANY 80 COLUMN SCREEN
ORIENTED PROGRAMS
- . INCLUDES LIGHT PEN PORT CONNECTION

SS-CC SPEECH SYNTHESIZER & REAL TIME CLOCK

- . OUTPUT A VOICE FROM CPM AND BASIC
- . SOFTWARE INCLUDED FOR PHONEMES AND CLOCK
- . REQUIRES USE OF 64K EXPANDER FOR VOICE LIBRARY



** MONITORS **

AMDEK COLOR 300 COMPOSITE

- . CRT TYPE: 13" 90 DEG INLINE DARK; P22
- . DOT PITCH: .63 MM
- . RESOLUTION: 260 HOR x 300 VERTICAL
- . SIZE: 14.3 x 12.4 x 15.7 "
- . AUDIO: YES
- . OPTIONS: TILT SWIVEL STAND

PANASONIC S101 COMPOSITE

- . CRT TYPE: 10" 90 DEG INLINE DARK; P22
- . DOT PITCH: .63 MM
- . RESOLUTION: 250 HOR x 300 VERTICAL
- . SIZE: 10.3 x 11.2 x 13.4 "
- . AUDIO: YES
- . FEATURES: TILT SWIVEL STAND; BLK & WHITE DISPLAY

" For God so loved the world that he gave his one and only SON, that whoever believes in him shall not perish but have eternal life. For God did not send his SON into the world to condemn the world, but to save the world through Him. Whoever believes in Him is not condemned, but whoever does not believe stands condemned already because he has not believed in the name of God's one and only SON.".....John 3:16-18

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