

CLEVELAND AREA TI-994/A USER GROUPS NEWSLETTER FEBRUARY, 1991

OFFICERS	NORTHCOAST	TI-CHIPS	MEETING DATES
CO-PRESIDENT	STEVE BAGSTAD 1-933-5977	MATT ANDEL 676-9759	NORTHCOAST 1:30 P.M. TI-CHIPS 10 A.M.
CO-PRESIDENT	BOB KAGY 1-255-2609	GLENN BERNASEK 238-6335	EUCLIDIAN ROOM N.ROYALTON LIBRARY
TREASURER	FRANK JENKINS 283-8526	LIN SHAW 235-3912	EUCLID SQUARE MALL STATE RD & RT 82
MEMBERSHIP	MARTIN SMOLEY 1-257-1661	JOHN PARKEN 331-2830	THIRD SATURDAY THIRD SATURDAY
	6149 BRYSON	4172 W. 217TH ST.	FEBRUARY 16, 1991
	MENTOR, OH 44060	FAIRVIEW PARK, OH 44126	MARCH 16, 1991
SECRETARY	BERNIE ZUCKERMAN 381-4088	DENNIS LIKENS 842-9627	APRIL 20, 1991
LIBRARY(DISK)	MARTIN SMOLEY 1-257-1661	HARRY HOFFMAN 631-2354	MAY 18, 1991
(TAPE & MODS)	FRANK JENKINS 283-8526	JOHN PARKEN 331-2830	JUNE 15, 1991
(HARD COPY)	DICK ALDEN 1-352-9172		JULY 13, 1991

FIRST, HARRY HOFFMAN INFORMED ME AT THE JANUARY MEETING THAT JAN FEDOR OF CHIPS IS SHARING THE WORK OF MAILING THE NEWSLETTERS EACH MONTH. THIS IS SUCH A THANKLESS JOB, WE SHOULD GIVE CREDIT WHERE DESERVED.

NEXT, NORTHCOAST IS HAVING WHAT WE ARE HOPING WILL BE AN ANNUAL EVENT...OUR SECOND ANNUAL SWAP MEET AT THE FEBRUARY MEETING. I HAVE RECEIVED CORRESPONDENCE FROM MARTY SMOLEY THAT HE HAS DONE WHAT WE DID LAST YEAR, AND THAT WAS TO WRITE TO FORMER MEMBERS INFORMING THEM OF THIS EVENT IN CASE THEY WANT TO DUMP SOME OF THEIR TI STUFF. WE HAD A GOOD TURNOUT FROM THIS LAST YEAR AND SOME HAPPY SELLERS AND PURCHASERS. HOPEFULLY THE TURNOUT WILL BE AS GOOD THIS YEAR!

WITH STEVE BAGSTAD'S ARTICLES ON MULTIPLAN STUFF. WE HAVE SEVERAL DISKS OF MULTIPLAN AIDS BURIED IN OUR LIBRARY. I PLAN TO HAVE DISKS MADE UP AND AVAILABLE AT THE MEETING. THIS WILL INCLUDE MULTIPLAN 4.1 BY R.A. GREEN AND TIMP WHICH ALLOWS YOU TO EMBED PRINTER COMMANDS IN YOUR MULTIPLAN FILES TO SPRUCE UP THE PRINTING. ALSO, IF YOU WANT TO TAKE THE CHANCE, YOU CAN HAVE THE DISK OF TAX FILES I DEMOED AT THE NORTHCOAST MEETING. BECAUSE I RAN OUT OF TIME, I WAS NOT ABLE TO INCLUDE ALL OF THE SCHEDULES I NAMED IN LAST MONTH'S NEWSLETTER. YOU WILL GET THE 1040 FORM, SCHEDULES A, B, C AND SE AND WILL USE THEM PURELY AT YOUR OWN RISK. ALL EXCEPT THE 1040 ITSELF CAN BE FILED WITH THE IRS.

THEY SAY A PICTURE IS WORTH A THOUSAND WORDS, SO, I AM INCLUDING AT LEAST 2000 WITH TWO PAGES OF GRAPHICS. JUST SO YOU CAN SEE HOW EASY IT IS TO DO A TAX FORM ON THE TI, I AM PRINTING OUT A COMPLETED SCHEDULE A FROM MULTIPLAN. THE TEDIOUS PART IS CREATING THE FORM, THE EASY PART IT USING IT. THE OTHER 1000 WORDS IS A PAGE DONE BY MARTY SMOLEY ON HIS LASER PRINTER. THE OTHER PAGES WE HAVE SHOWN THAT MARTY HAS DONE HAVE BEEN FROM FUNNELWEB. THIS "DESK CALENDAR" WAS CREATED WITH EXTENDED BASIC. I WAS PRESENTED WITH A COMPLETE SET FOR ALL 12 MONTHS BY MARTY AT THE LAST NORTHCOAST MEETING. THESE TWO PAGES ARE TO SHOW YOU THAT WHILE SOME PEOPLE HAVE GIVEN UP ON THE TI BECAUSE IT DOES SO LITTLE, OTHERS OF US KEEP ON USING IT BECAUSE IT DOES SO MUCH!

GOT MY JANUARY MICROPENDIUM TODAY AND IT STARS OUR OWN STEVE BAGSTAD. HE HAD A "LETTER TO THE EDITOR" PRAISING HIS GENEVE AND ALSO AN ARTICLE REVIEWING THE GAME "MISSION DESTRUCT.!"

JOE SIMMONS SOMETIMES USES HIS NEWSLETTER TO SEND PERSONAL MESSAGES, AND IN THE VEIN I WOULD LIKE TO THANK JOE FOR THE DISK HE SENT AS AN AID TO DOING THE NEWSLETTER. JOE, I HAVEN'T EVEN HAD A CHANCE TO LOOK AT IT YET. WILL TRY TO DO SO SOON AND GET SOMETHING BACK TO YOU. ALSO, TO SISTER PAT WHO HAS SEVERAL TIME SENT SOME SAMPLES OF THE GREAT CARDS SHE IS PRODUCING WITH JIFFY CARD. I DO APPRECIATE THEM AND HOPE TO WRITE SOON. THIS IS AN EXTREMELY BUSY TIME OF THE YEAR FOR ME, AND I DON'T WANT PEOPLE TO THINK I DO NOT ENJOY HEARING FROM THEM.

BECAUSE ANOTHER "OFFICIAL" ADDITION TO THE LIBRARY WILL NOT BE FORTHCOMING IN THE NEXT COUPLE OF MONTHS, IF YOU WANT TO UPGRADE YOUR TIPS DISK TO V1.7 AND FUNNELWEB TO 4.31, BOTH MARTY OF NORTHCOAST AND HARRY OF CHIPS HAS THE LATEST VERSION OF BOTH OFFERINGS. IN FACT, BECAUSE OF THE TURNOVER IN OUR GROUPS, PROBABLY MOST OF OUR CURRENTLY ACTIVE MEMBERS WERE NOT MEMBERS THE LAST TIME WE SENT A FAIRWARE CONTRIBUTION TO THE MCGOVERNS. WOULD HIGHLY RECOMMEND THAT WE CONSIDER EITHER REQUESTING A DONATION FROM THE MEMBERSHIP, OR SIMPLY TAKING AN AMOUNT OUT OF OUR TREASURY FOR THIS FINE PRODUCT.

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TI-CHIPS
CLEVELAND, OHIO

THE JANUARY MEETING GOT OFF TO A ROUSING START. OUR SECRETARY, DENNIS LIKENS, WAS UNABLE TO MAKE THE MEETING. THEREFORE READING OF THE MINUTES WAS WAIVED. LIND SMAN REPORTED THAT THE CHIPS ACCOUNT BALANCE WAS FIRMLY IN THE FOUR DIGIT RANGE.

JOHN PARKEN REPORTED THAT WE HAD FOUR MEMBERSHIPS WHICH WERE ABOUT TO EXPIRE IN JANUARY (CHECK YOUR MAILING LABEL!!!). JOHN ALSO REPORTED THAT HE HAS TAKEN OUT ADS IN TWO COMPUTER PUBLICATIONS. THIS IS ANOTHER WAY THAT WE ARE LETTING THE "CLOSET" TI-99/4A OWNERS KNOW THAT THERE IS STILL A VIABLE USER GROUP AT THEIR SERVICE, AND THAT THEIR 99/4A IS FAR FROM DEAD.

(SOAP-BOX TIME!!! IF YOU HAVEN'T BEEN TO A MEETING LATELY, YOU'RE MISSING SOME PRETTY NEAT STUFF! ALSO, IF YOU THINK YOUR TI IS A DEAD DUCK, HAVE WE GOT NEWS FOR YOU! LET'S DROP A FEW NAMES, AND SEE IF WE CAN PEEK SOME CURIOSITY - SPELL IT!, PC-TRANSFER, PAGE PRO - SIDEWAYS, NUTS & BOLTS, RAM DISKS, HARD DISKS, 80 COLUMN ADD-ONS, HDFD CONTROLLERS (MORE THAN ONE MANUFACTURER NOW), A MOUSE AND MUCH - MUCH MORE. THIS IS JUST A PARTIAL LIST OF WHAT'S BEEN DEVELOPED FOR YOUR TI. AND MUCH IN THE LAST YEAR! BESIDES THAT, YOU ARE A MEMBER OF ONE OF THE BEST HOME COMPUTER USER SUPPORT GROUPS IN THE COUNTRY! EVEN IF YOU MIGHT NOT USE YOUR TI-99/4A VERY MUCH ANY MORE, THE BASIC PROGRAMMING TUTORING AND SOFTWARE HELP IS UNIVERSAL IN SCOPE. BY THIS I MEAN, NO MATTER WHAT MACHINE YOU ARE USING, THE BASIC LANGUAGE AND OPERATIONAL PROCEDURES CAN BE APPLIED TO MOST ALL SYSTEMS. HOW CAN YOU LOSE? CHECK YOUR LABEL, AND GIVE JOHN A CALL.)

JOHN PARKEN HAS ALSO BEEN IN CONTACT WITH JIM PETERSON - OF TIGERCUB SOFTWARE. IT SEEMS THAT JIM HAD CONTACTED JOHN REGARDING THE CLEVELAND AREA TI-99/4A USER GROUP DISK LIBRARY. JIM HAD HEARD ABOUT OUR CATALOG, AND ASKED JOHN TO SEND HIM A COPY. JOHN RESPONDED IMMEDIATELY, AND JIM PETERSON REPLIED THAT OUR USER GROUP CATALOG WAS ONE OF THE MOST EXTENSIVE AND PROFESSIONAL HE HAS THE PLEASURE OF READING! IN AN EXPRESSION OF HIS APPRECIATION, JIM ENCLOSED A DEMO DISK OF HIS FAMOUS MERGEABLE NUTS BOLTS ROUTINES. JOHN RAN THE NUTS BOLTS DEMO FOR THE CHIPS, MUCH TO OUR COLLECTIVE AMAZEMENT. AT JUST \$15 FOR THE SET OF THREE NUTS BOLTS DISKS, THIS IS EVIDENTLY A BARGAIN THAT IS HARD TO PASS UP (NOT TO MENTION A SUPER UTILITY SOFTWARE ADDITION TO ANY 99ER'S LIBRARY).

HARRY HOFFMAN MADE UP OUR MONTHLY DISK RAFFLE PAK, AND SAID THIS RAFFLE PAK WAS THE "BEST EVER!" IT CONTAINED SOME SUPER GAMES HE HAD DOWN-LOADED FROM GENIALTRAVLER AND THE LATEST VERSION OF FUNNEL WEB AS WELL AS SEVERAL LOADED DISKS OF GRAPHICS AND MUSIC. VIRGIL THOMASON WAS THE LUCKY WINNER OF THE "BEST EVER" SUPER PAK. CONGRATULATIONS VIRGIL!

THE 1991 OFFICERS FOR THE TI-CHIPS WERE ELECTED, AND IT WAS A RATHER EXCITING CAMPAIGN. ACTUALLY, THERE WERE NO NOMINATIONS AND NO VOLUNTEERS. RUSS SHIMANDLE MOVED THAT THE 1990 OFFICERS CONTINUE ON AS THE 1991 OFFICERS FOR THE TI-CHIPS. JOHN PARKEN SECONDED THE MOTION, AND THE MOTION WAS UNANIMOUSLY APPROVED BY THE CHIPS' IN ATTENDANCE.

(THANK YOU FOR THE VOTE OF CONFIDENCE - I THINK.) PLEASE BE AWARE THAT THE TI-CHIPS DERIVES IT'S SUCCESS FROM BOTH IT'S MEMBERSHIP AND IT'S OFFICERS. IF THE OFFICERS START TO EXPERIENCE SOME FORM OF "BURN-OUT", THE MEETINGS AND THE SERVICE TO THE MEMBERSHIP COULD SUFFER. LET'S KEEP THE MOMENTUM GOING TO AT LEAST 1993! (PLEASE FORGIVE THIS LAST SOAP-BOX ORATION.)

OUR GURU OF EXTENDED BASIC, LES KEE, FAVORED US WITH A DEMONSTRATION OF MICROPENDIUM'S ARTICLE INDEX PROGRAM. THIS IS A PROGRAM WHICH WILL ALLOW YOU TO MAINTAIN A FILE ON PUBLISHED ARTICLES (ALONG WITH THE DATE OF PUBLICATION), AND WILL AUTOMATICALLY ALPHABETICALLY SORT THE FILE. LES SHOWED US HOW THIS PROGRAM COULD BE USED TO FILE THE CLEVELAND AREA TI-99/4A USER GROUP NEWSLETTER ARTICLES FOR FUTURE REFERENCE.

MATT ANDEL DEMONSTRATED ASGARD'S LATEST OFFERING: PAGE PRO SIDEWAYS PICTURE PRINTER. THIS IS ANOTHER SUPERB PIECE OF GRAPHICS SOFTWARE BY ASGARD. IT IS A COMPANION PIECE TO THEIR PAGE PRO PACKAGE, AND IT GIVE THE USER A GREAT DEAL OF FLEXIBILITY IN PRINTING OUT CALENDARS, CERTIFICATES AND PICTURES, OF MOST ANY DIMENSION, SIDEWAYS ON A PRINTER. AS MATT SO ABLY DEMONSTRATED, PAGE PRO SIDEWAYS PICTURE PRINTER IS EASY TO USE, THE RESULTS ARE ASTOUNDING.

I HOPE TO SEE YOU ALL AT THE FEBRUARY TI-CHIPS MEETING.

**** CHECK YOUR MAILING LABEL! ****

GLENN BERNASEK

EXECUTIVE NOTES - NORTHCOAST
BY STEVE BAGSTAD

THE JANUARY MEETING WAS ONE OF THE BIGGER ONES WE'VE HAD IN A WHILE, WITH 23 SIGNING THE ROSTER AND A NUMBER OF OTHER PEOPLE ATTENDING. THINGS WENT A BIT OUT OF SEQUENCE SINCE OUR MAIN PRESENTER, DEANNA SHERIDAN, HAD TO BE OUT FAIRLY QUICKLY AND THUS WENT FIRST.

PRESENTED WAS AN AMAZING EFFORT OF USING MULTIPLAN TO DO ONE'S TAX RETURN IN THE FORM OF THE IRS 1040 AND FRIENDS. WE WENT THROUGH THE DEVELOPMENT OF THE ACCOMPANYING FORMS, INCLUDING SCHEDULES SE, C, B, AND A AND THEIR CULMINATION IN THE MAIN 1040 FORM ITSELF. DEANNA NOTED THAT THE FORMS ARE INTERLINKED; THAT IS, ITEMS THAT YOU WOULD ORDINARILY HAVE TO REENTER ONTO THE 1040 FROM A SCHEDULE WILL BE PUT THERE FOR YOU ONCE THE SCHEDULE IS COMPLETE. ALSO, THE SCHEDULES ARE VALID AS TYPED FOR SUBMISSION TO THE IRS; HOWEVER, THE 1040 ITSELF MUST BE ON AN ORIGINAL FORM, SO THE ONE PRINTED IS FOR VERIFICATION AND RECORDKEEPING ONLY. I KNOW FROM MY EXPERIENCE WITH THIS PROGRAM THAT AN ENORMOUS AMOUNT OF TIME AND EFFORT WENT INTO MAKING THIS UP, AND A SIMPLE THANK YOU FROM MEMBERS PRESENT SOMEHOW SEEMED INSUFFICIENT...GREAT JOB!

WE FOLLOWED WITH A QUICK BUSINESS MEETING WITH NO REAL EXCITING NEWS THAT I RECALL. WE HAD NO MINUTES HANDY, AND THE IN ABSENTIA TREASURY REPORT CONTINUED TO BE IN GREAT SHAPE. A FEW NEW HARDWARE ITEMS WERE MENTIONED, AND NONE YET RELEASED TO THE GROUP'S KNOWLEDGE. RON HAD SOME NEW SOFTWARE, AND A PRINTED PRICE LIST FOR THOSE WANTING ONE.

WE NEXT MOVED ON TO AN UNANNOUNCED DEMO BY WES RICHARDSON OF A NEW XB GAME HE'D DEVELOPED. IT'S A PUZZLE ONE SOLVES BY PLACING A VARIETY OF SHAPES INTO A GRID, AND LOOKED RATHER CHALLENGING. THE INITIAL TRY AT A SOLUTION BY THE GROUP WAS, SHALL WE SAY, UNSUCCESSFUL. IT HAD SOME VERY NICE TOUCHES, A REALLY GOOD JOB. BOTH THIS AND THE TAX STUFF HAVE BEEN TURNED OVER TO THE GROUP, SO ASK MARTY FOR THEM IF YOU WERE UNABLE TO GET THEM AT THE MEETING.

NEXT MONTH'S MEETING, WE WILL AGAIN HAVE A FEBRUARY "SWAP MEET" WITH NO REAL OFFICIAL START TIME- WE HAVE THE ROOM FROM NOON TO 5, SO FEEL FREE TO COME EARLY IF DESIRED. MARTY WILL NOT HAVE THE LIBRARY THERE- TOO CUMBERSOME; IF YOU WANT LIBRARY DISKS, WRITE HIM TO ORDER AND HE'LL BRING

I WILL GO THROUGH IT, AND I KNOW I WILL BE ASKING FOR SOME DISKS. AM ALSO CHECKING OUT A CATALOG FROM TISHUG IN AUSTRALIA AND ANOTHER ONE FROM ENGLAND. SO MUCH TO DO AND SO LITTLE TIME!

IN THE MEANTIME, AS SOME RECOMPENSE FOR THAT FINE CATALOG, HERE ARE THREE OF MY MOST RECENT PROGRAMMING EFFORTS WHICH I DIDN'T SEE IN YOUR CATALOG.

MERRY CHRISTMAS,
JIM PETERSON.

(I HAVE BEEN TELLING YOU THAT WE HAVE ONE OF THE BEST SOFTWARE LIBRARIES IN THE TI WORLD)

THE OTHER COMES FROM THE HALVORSENS OF STERLING HEIGHTS, MICHIGAN.

TO THE OHIO USER GROUPS:

I AM WRITING THIS LETTER TO EXTEND MY DEEPEST GRATITUDE TO ALL THAT HAVE CARED, AND SHARED THEIR TIME FOR THE AMAZING WONDER WE OWN AND USE IN OUR HOMES, THE TI 99/4A. I HAVE OWNED MY COMPUTER FOR ABOUT EIGHT YEARS AND WILL NOT GIVE IT UP! I OWN A 386 IBM CLONE, BUT MY FIRST LOVE HAS BEEN MY FAITHFUL TI. OUR SUPPORT HERE IN MICHIGAN HAS BEEN SPARSE AND LIMITED TO A "USER" SITUATION. MY REAL UTILIZATION OF THE SYSTEM I OWN HAS BEEN THE RESULT OF THE INFORMATION RECEIVED FROM YOUR REPLIES AND D.O.M. (NEWSLETTERS). I ALSO VISIT A FORMER LIMA GROUP MEMBER HERE IN TOWN. HIS NAME IS MIKE MARTINKO. HE HAS BEEN ANOTHER REASON FOR ME NOT GIVING UP.

IN A RECENT ARTICLE PUBLISHED IN THE PC MAGAZINE, "RETURN OF THE HOME COMPUTER", IT STATES THAT THE HOME COMPUTER MARKET IS RETURNING. WELL, FOR TI USERS, IT HAS NEVER LEFT! THE ARTICLE GOES ON TO STATE THAT THE INDUSTRIAL MARKET IS AGING SOMEWHAT AND IBM AND OTHER COMPANIES ARE TURNING THEIR ATTENTION ONCE AGAIN TO THE HOME MARKET. THIS IS WITNESSED BY THE INTRODUCTION OF THE IBM PS/1 HOME COMPUTER. IBM HAS A DISTINCT ADVANTAGE OVER TI AND OTHER PREDECESSORS BECAUSE OF THEIR SIZE AND THEIR SUPPORT NETWORK. TI STILL HAS THE HOME MARKET AND CAN USE THIS "OPPORTUNITY" TO STRENGTHEN THEIR SUPPORT BY NEVER LOSING TOUCH WITH THEIR MEMBERS AND SEEK OUT WAYS TO CONVEY TO THE GENERAL PUBLIC THAT TI HAD THE SAME IDEA THAT THE IBM PEOPLE ARE NOW MARKETING. THE ARTICLE ALSO STATED THAT THE 1980'S BEGAN WITH STRATEGY TO PUT A COMPUTER IN EVERY "HOME". TI IS STILL COST EFFECTIVE, IN ITS BASIC FORM: DISK CONTROLLER, PRINTER AND CONSOLE (TV OR MONITOR). TI WRITER, FUNNELWEB, AND MULTIPLAN STILL STACK UP TO THE COMPETITION, CONSIDERING THE SIZE OF THE CURRENT COMPANIES., THE ONLY QUESTIONABLE AREAS, IN MY OPINION, ARE THE HARD DRIVE CONTROLLER SYSTEM, THE GENEVE 9640 SYSTEM, THE 80 COLUMN CARD. THERE OUGHT TO BE SOME "BARTER NETWORKS" TO TRADE UP SOME EQUIPMENT FOR AN AXIOM PRINTER AND THE PIO INTERFACE. I STILL HAVE AN RS232 CARD I WILL TRADE FOR NEW DISK CONTROLLER CARD. THIS BARTER WON'T TURN ME OFF LIKE THE HIGH PRICES CHARGED FOR "NEW" UPGRADES. THE REASON I WOULD LIKE TO SEE A "BARTER" SYSTEM IS THAT MANY TI OWNERS CANNOT JUSTIFY SPENDING THE PRICES FOR 3RD PARTY "UPGRADES". THE TI DRAWING CARD SHOULD BE THE AVAILABILITY OF A "BARTER" NET WORK, AND ALSO CAN INCLUDE A CLASSIFIED SECTION FOR "RESALE" ITEMS IF A TRADE IS NOT POSSIBLE.

THERE ARE PEOPLE IN MY CITY AND ALL ACROSS THE US THAT HAVE TI EQUIPMENT THEY HAVEN'T USED IN SOME TIME. I HAVE REVIVED SOME INTEREST IN A FEW PEOPLE THAT I HAVE

ENCOUNTERED, BUT MANY HAVE NO REAL INTEREST FOR WHATEVER REASON.

THE ARTICLE IN THE PC MAGAZINE ECHOES THE TI COMPUTER'S FIRST INTENTION YEARS AGO. THE USER GROUPS HAVE KEPT OUR "LITTLE" POWERHOUSE PUMPING ALONG WHEN THE PC COMMUNITY THOUGHT THAT THE TI SHOULD HAVE BEEN READ IT'S LAST RITES OVER SIX YEARS AGO. I AND COUNTLESS OTHERS DEPEND ON THE USER GROUP FOR SUPPORT AND A "SHOT IN THE ARM" TO KEEP OUR TI'S RUNNING!!

ONCE AGAIN, I AM TRULY GRATEFUL TO THE OHIO GROUPS FOR THEIR SUPPORT AND "KEEPING THE FAITH" IN OUR TI 99 MACHINE.

SIGNED, PER HALVORSEN
01/22/91

THE FOLLOWING NOTE AND PROGRAM COMES FROM BERNIE ZUCKERMAN OF THE NORTHCOST GROUP. HOPEFULLY IT WILL ENCOURAGE OTHERS TO "TRY SOMETHING OUT" AND SHARE IT WITH US!

DEANNA, THIS MAY BE OF INTEREST TO SOME OF OUR MEMBERS WHO OWN BONDS.

I INHERITED A COUPLE OF MUNICIPAL BONDS, AND IN ORDER TO FIND OUT WHAT THEY ARE WORTH, I CALLED A STOCKBROKER WHO QUOTED A PRICE TO ME. HE EXPLAINED THAT THE PRICE OF A BOND IS PARTIALLY DETERMINED BY THE "YIELD TO MATURITY" FOR EACH BOND BASED ON ITS COUPON (\$ INTEREST) AND WHEN IT MATURES.

THIS INTRIGUED ME, AND I DID SOME RESEARCH AT THE LIBRARY AND DISCOVERED THAT CALCULATING YIELD TO MATURITY IS NOT A SIMPLE MATTER; IT IS AN INDIRECT PROCESS REQUIRING ITERATIONS. I FOUND TWO PROGRAMS FOR THIS, AND IF ANYONE IS INTERESTED, I WILL BE GLAD TO SEND THEM.

BUT I ALSO FOUND A FORMULA TO CALCULATE THE PRICE OF A BOND IF YOU KNOW THE YIELD TO MATURITY AND WROTE THE FOLLOWING PROGRAM IN EXTENDED BASIC. AM I PROUD OF MYSELF!! IT WORKS - FOR EXAMPLE, IF YOU HAVE A 2-YEAR BOND WITH AN 8% COUPON, AT A Y.T.M. OF 6.75%, THE PRICE IS (OR SHOULD BE) \$102 PER \$100 OF PRINCIPAL.

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100 REM BOND PRICE AT A DESIRED YIELD TO MATURITY
110 PRINT "ENTER ANNUAL COUPON (7.75)" :: INPUT C :: PRINT
120 PRINT "ENTER YIELD TO MATURITY (6.75)" :: INPUT R ::
    PRINT
130 PRINT "ENTER YEARS TO MATURITY (4.33)" :: INPUT Y ::
    PRINT
140 PRINT "ENTER PRINCIPAL (100)" :: INPUT P1 :: PRINT
150 N=Y*2
160 I=(R/100)/2
170 V=1/(1-I)^N
180 A=(1-V)/I
190 P=C/2*A+(P1*V)
200 P=INT(P100+.05)/100
210 PRINT :: PRINT
220 PRINT "THE PRESENT WORTH OF AN":C;"% BOND MATURING IN";
    Y;"YEARS AT A Y.T.M. OF":R;"% IS $":P
330 END
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LES KEE OF TI-CHIPS HAS TAKEN ON A PROJECT OF INDEXING MICROPENDIUMS AND REFINING A RETRIEVAL PROGRAM SO THAT YOU CAN SEARCH THROUGH AND FIND THE ARTICLE YOU "THINK" YOU SAW SEVERAL YEARS AGO. FOLLOWING IS AN EXPLANATION OF THE INDEX. LES HAS DONATED THE DISK TO THE USER GROUPS LIBRARIES. SINCE I PROBABLY WON'T HAVE TIME TO GET AN "OFFICIAL" UP DATE IN FOR SOME TIME, I WILL MAKE SURE THAT MARTY SMOLEY AND HARRY HOFFMAN HAVE COPIES OF THIS DISK SO

TO THE SWAP MEET. WE WILL SEND OUT ADDED POST CARDS TO PAST MEMBERS, ETC. AND YOU CAN HELP TURNOUT BY ENCOURAGING ANYONE YOU KNOW WHO MAY WANT TO BUY OR SELL TI STUFF TO COME. AS MENTIONED DURING THE JANUARY MEETING, DEANNA AND/OR I WILL HAVE DISKS OF THE MULTIPLAN PRINTER CONTROL SOFTWARE AVAILABLE. SEE YOU ON FEBRUARY 16TH!!

MULTIPLAN

TUTORIAL 3.0 BY STEPHEN S. BAGSTAD
NORTHCOAST 99'ERS - JANUARY 26, 1991
COPYRIGHT 1991 BY STEPHEN S. BAGSTAD

AS WITH MARTY SMOLEY'S TI-BASE ARTICLES, I AM RESERVING COPYRIGHT ON THIS MATERIAL. I WILL ALLOW THE COPYING OF IT BY ANYONE UNDER THE FOLLOWING CONDITIONS: (1) IT MUST BE COPIED IN ITS ENTIRETY WITH NO CHANGES, (2) IF RETYPED, CREDIT MUST BE GIVEN TO MYSELF AND THE NORTHCOAST 99'ERS, AS ABOVE, AND (3) THE LAST MAJOR CONDITION IS THAT THERE MAY NOT BE ANY PROFIT DIRECTLY INVOLVED IN THE COPYING OR TRANSFER OF THIS MATERIAL. IN OTHER WORDS, CLUBS CAN USE IT IN THEIR NEWSLETTERS AND YOU CAN GIVE A COPY TO YOUR FRIENDS AS LONG AS IT'S FREE.

LATEST MULTIPLAN (MP) NEWS

THE NORTHCOAST GROUP HAS A PRETTY NEAT MP "PACKAGE" FOR DOING ONE'S TAXES THAT IS MENTIONED IN THIS AND LAST MONTHS' NEWSLETTERS. IT MAKES USE OF SOME PRETTY ADVANCED TECHNIQUES SUCH AS PRINTER CONTROL AND LINKING OF SPREADSHEETS. IF YOU'RE A GROUP MEMBER, TRY IT OUT! I JUST FINISHED READING THE "BOZO CHRONICLES" PUT TOGETHER BY A GARTH POTTS OF OKLAHOMA CITY. HE MAKES A GOOD RECOMMENDATION THAT MP BE CONSIDERED FOR USE AS WHAT HE CALLED AN EASY COLUMNAR WORD PROCESSOR. WHY IT INSTEAD OF TI-WRITER/FUNNELWEB? I QUOTE "SIMPLE; MP'S COLUMNAR LAYOUT IS PERFECT FOR SIMPLE BREAKDOWN OF (SAMPLE) PLAYERS, POSITIONS, TEAM NAMES, ETC. PLUS, IF I EVER WANTED TO ADD ANY CALCULATIONS, THERE'S NO CONTEST."

FIRST EXAMPLE (FINAL)

START UP THE PROGRAM AGAIN, RELOADING THE FILE OF OUR ELECTRIC BILLS THAT WE HAVE NAMED "UTILITY". AT THE END OF THIS SESSION, WE WILL HAVE A FULL YEAR OF INFORMATION THAT YOU CAN USE AS A PATTERN TO KNOW MORE ABOUT THE MONEY YOU ARE SPENDING. THE SCREEN SHOULD LOOK LIKE THE ONE AT THE END OF THE LAST ARTICLE, WITH THE MONTHS JULY THROUGH NOVEMBER SHOWN. LET'S ADD SPACE FOR THE REST OF THE MONTHS. MOVE TO R2C1 ("JUL") AND HIT "I" FOR INSERT. SELECT "ROWS", THEN "6" TO MAKE ROOM FOR SIX MORE ROWS (JAN-JUN). YOU SHOULD BE IN THE NEW R1C2, SO ENTER "JAN" AND SO ON, ENTERING THE MONTHS PRECEDING JUL. TO ADD THE FINAL MONTH, SINCE WE LAST TIME ONLY WENT THROUGH NOV, WE COULD NORMALLY JUST GO TO THE ROW BELOW NOV AND PROCEED; HOWEVER, SINCE WE ASKED MP TO TOTAL THE COST IN C5, WE CAN KEEP THIS TOTAL BY INSERTING A SINGLE NEW ROW BETWEEN NOV AND THE ROW WITH OUR TOTAL. DO THAT, ENTERING DEC IN C1 OF THE NEW ROW.

NOW LET'S ENTER IN THE REST OF THE DATA. JAN: 970 KWH, 35 DAYS, \$95.86; FEB: 690, 29, 74.03; MAR: 730, 32, 78.40; APR: 620, 29, 67.04; MAY: 618, 31, 67.23; JUN: 657, 31, 84.36; AND DEC: 666, 29, 72.53. REMEMBER AS YOU ENTER THESE, TIME WILL BE SAVED IF YOU ARROW KEY AROUND THE WORKSHEET.

WHEN I FINISHED THIS, MY C2 WAS MIXED FORMAT, WITH SOME

KWH ENTRIES CENTERED AND SOME DEFAULT (RIGHT SIDE). FORMAT ALL THESE VALUES TO DEFAULT. NOW LET'S TRY A NEW ITEM, MOVING TO R2C2, THE FIRST KWH ENTRY, AND HIT "N" FOR NAMES. TYPE "KWH" FOR THE NAME, AND ":" AND ARROW KEY TO R13C2 AND HIT ENTER. THIS ASSOCIATES THE NAME "KWH" WITH THOSE VALUES. DO THE CORRESPONDING NAMES FOR DAYS AND COST, NOTING THAT MP REMEMBERS YOUR REFERENCE AND WILL SUPPLY THE CORRECT "REFER TO..." FOR SUBSEQUENT ENTRIES- NOT BAD? TO SEE WHAT THIS DOES FOR US, GO TO THE BOTTOM OF EACH OF THESE IN TURN, AND REQUEST THE VALUE (FORMULA) SUM(NAME) (SO FOR KWH, GO TO R14C2, HIT "=", TYPE SUM(KWH) AND YOU WILL SEE 8452 THERE, AND SO ON). THE USE OF NAMES SIMPLY MAKES THE FORMULAS, ETC. MORE READABLE, AS YOU COULD GET THE SAME RESULT BY USING ALL RxCx NOTATION.

TO FINISH OUR CALCULATED COLUMNS, GO TO R8C4 AND COPY FROM THAT CELL TO R2C4. THEN IN R2C4, COPY DOWN 13 CELLS. DO THE SAME WITH C6. SO THAT WE KNOW WHAT WE HAVE, ENTER "TOTAL" IN R14C1, AND "AVG" IN R15C1. IN THE MISSING R15 CELLS, ENTER THE AVERAGE KWH, DAYS, AND COST USING THE AVERAGE(KWH,ETC) FORMULA.

FOR FINAL TOUCHES, I DECIDED TO FORMAT AVERAGE KWH AND DAYS TO FIXED, 1 DECIMAL, SHORTEN C2, C4, AND C6 TO 6 WIDTH, AND C5 TO 8 WIDTH. I ALSO ADDED, USING EDIT MODE, AN ASTERISK (*) AFTER JUN-SEP SINCE THOSE ARE HIGHER RATE SUMMER MONTHS; DO THIS BY MOVING TO THOSE CELLS, HIT "E", FN-4, "*", AND ENTER. FINALLY, I INSERTED ROWS TO OFFSET THE MONTHLY VALUES FROM THE TITLES AND TOTALS/AVERAGES, ENTERING A LONG STRING OF "=" SIGNS IN THE FIRST COLUMN OF EACH NEW ROW, FORMATTING THOSE ENTIRE ROWS TO "CONT" TO RUN THE CHARACTERS ACROSS THE SCREEN. YOU SHOULD END UP WITH:

MONTH	KWH	DAYS	KWH/D	COST	C/KWH
JAN	970	35	28	\$95.86	9.9
FEB	690	29	24	\$74.03	10.7
MAR	730	32	23	\$78.40	10.7
APR	620	29	21	\$67.04	10.8
MAY	618	31	20	\$67.23	10.9
JUN*	657	31	21	\$84.36	12.8
JUL*	898	30	30	\$114.17	12.7
AUG*	684	30	23	\$87.70	12.8
SEP*	781	32	24	\$100.09	12.8
OCT	548	28	20	\$60.21	11.0
NOV	590	29	20	\$64.60	10.9
DEC	666	29	23	\$72.53	10.9
TOTAL	8452	365	23	\$966.22	11.4
AVG	704.3	30.4	23	\$80.52	11.4

HOPEFULLY THIS KIND OF ANALYSIS CAN HELP YOU WITH MAKING CHOICES ABOUT YOUR UTILITY USE. IT'S A LOT OF INFORMATION, RELATIVELY EASILY OBTAINED AND ORGANIZED, THAT YOU DON'T NECESSARILY GET FROM YOUR UTILITY COMPANY. UNTIL NEXT TIME!

FROM THE NAILBAG!

WE RECEIVED THREE LETTERS THIS MONTH (ALSO THE ONLY LETTERS) WE WOULD LIKE TO SHARE WITH YOU. FIRST FROM JIM PETERSON OF TIGERCUB SOFTWARE FAME. THIS WAS WRITTEN TO JOHN PARKEN OF CHIPS.

DEAR JOHN,

I HAD NO IDEA THAT YOUR CATALOG WAS SUCH A DELUXE PRODUCTION!

4 *Cont on back page*

PUZZLE-12

by WESLEY R. RICHARDSON
NORTHCOAST 99ER'S, CLEVELAND, OH

PUZZLE-12 is an Extended BASIC puzzle which uses joystick number 1 and works best with a color monitor or TV. The objective is to fit twelve pieces of various shapes into a rectangle at the center of the screen. The pieces are not allowed to overlap each other, however pegs on one piece may fit into holes on another. There are only two unique solutions, and 16 symmetry related solutions.

To use a piece, place the cursor on the piece using joystick #1, and press the fire button. The piece will be colored black for rotation. Each of the pieces can be rotated or flipped into eight orientations with the joystick.

Pressing the fire button again will color the piece white, and it can be moved with the joystick. When it is at the desired location, pressing the fire button will place the piece, if it is at an allowable position. The thick portion of the piece must be at the position indicated by the arrows, and the piece must not overlap another piece for the position to be acceptable.

There are no time constraints for working the puzzle, so speed is not required. Pieces on the arrow line may also be removed from the rectangle and another piece tried in its place.

Pressing fire while the cursor is in the RESTART OR QUIT box, will allow you to restart the game or quit. The restart places all of the pieces in their starting boxes. The color of the pieces can be changed by pressing fire when the cursor is in the CHANGE COLOR box. There is no difference in piece shape as a result of changing colors, but some colors will be easier to see than others on the screen.

The program takes almost three minutes to initialize values and progress of the loading is shown on the two instruction screens. Restart during the game does not require the initialization sequence delay.

To receive the program on disk, send a SSSD or DSSD disk with some programs on it to 18140 Rolling Brook, Bainbridge, OH 44022-4860.

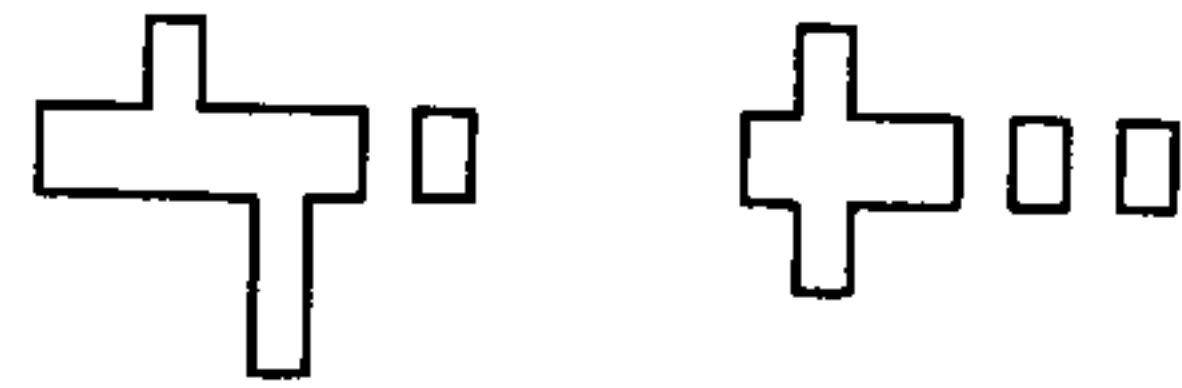
```
100 REM PUZZLE-12
110 REM BY WESLEY R. RICHARDSON, FEB 1
    991
120 REM NORTHCOAST 99ERS, CLEVELAND, O
    H
130 REM TI-99/4A EXTENDED BASIC
140 REM VARIABLES A(24),B$(12,8),C(36)
    ,C$(12,8),D(12),D$,E$,I,J,K,T,V,W,
    X,Y
150 DATA 2,3,4,5,6,7,8,9,10,11,13,14,1
    5
160 DATA "PLACE ALL 12 PIECES IN THE",
    "MIDDLE BOX. PRESS FIRE ON","JOYS
    TICK #1 TO CHANGE COLOR"
170 DATA "TO BLACK TO ROTATE THE PIECE
    ","TO ANY OF 8 ORIENTATIONS","OR W
    HITE TO MOVE THE PIECE."
180 DATA "PRESSING FIRE AGAIN WILL","P
    LACE THE PIECE, IF IT IS","AT AN A
    LLLOWABLE POSITION."
190 DATA """," ALPHA LOCK MUST BE UP!"
200 DATA C0C0F3C000003F00,C0C0F3C00000
    3F00,C0C0FF0C0000F300,C0C0F3000000
    FF00
210 DATA C0C0FF000000F300,00C0F3C00000
    3F00,00C0F3C00000F300,00C0F3000000
    F3C0
220 DATA 00C0FF0000003300,00C0F3000000
    3F00,00C0FF0000003300,0000F3000000
    3300
230 DATA "THERE ARE ONLY TWO UNIQUE","
    SOLUTIONS, AND 16 SYMMETRY","RELAT
    ED SOLUTIONS. PRESSING"
240 DATA "THE FIRE BUTTON WHEN THE","C
    URSOR IS IN THE QUIT BOX","WILL AL
    LOW YOU TO RESTART"
250 DATA "OR END THE GAME. HAVE FUN","
    "IT CAN BE DONE.","""," ALPHA L
    OCK MUST BE UP!"
260 DIM A(24),B$(12,8),C(36),C$(12,8),
    D(12)
270 CALL DELSPRITE(ALL):: CALL MAGNIFY
    (4):: CALL SCREEN(12):: GOTO 300 :
    : D$,E$,I,J,K,T,V,W,X,Y
280 CALL CHAR :: CALL CLEAR :: CALL CO
    INC :: CALL COLOR :: CALL HCHAR ::
    CALL JOYST :: CALL KEY :: CALL LO
    CATE
290 CALL PATTERN :: CALL SPRITE :: CAL
    L VCHAR :: !@P-
300 W=0 :: GOSUB 1650 :: READ C(0):: F
    OR I=1 TO 12 :: READ C(I):: C(I+12
    )=5 :: C(I+24)=7 :: NEXT I
310 CALL CHAR(36,"103070FFFF703010",37
    ,"080C0EFFFF0E0C08")
320 CALL CHAR(40,"01070911113F11110907
    01000000000000C0201010F8101020C000-
```

...PUZZLE-12

```

000000000000")
330 CALL CHAR(60,RPT$("0",14)&"FF",61,
RPT$("FF00",4),62,"FF")
340 GOSUB 1660 :: FOR I=1 TO 12 :: REA
D B$(I,1):: NEXT I
350 FOR I=1 TO 12
360 FOR J=0 TO 4 STEP 4
370 FOR K=2 TO 4
380 D$=B$(I,J+K-1)
390 B$(I,J+K)=SEG$(D$,10,1)&SEG$(D$,1,
1)&SEG$(D$,12,1)&SEG$(D$,3,1)&SEG$(
D$,14,1)&SEG$(D$,5,1)&SEG$(D$,16,
1)&SEG$(D$,7,1)
400 B$(I,J+K)=B$(I,J+K)&SEG$(D$,2,1)&S
EG$(D$,9,1)&SEG$(D$,4,1)&SEG$(D$,1
1,1)&SEG$(D$,6,1)&SEG$(D$,13,1)&S
EG$(D$,8,1)&SEG$(D$,15,1)
410 NEXT K
420 D$=B$(I,1)
430 B$(I,5)=SEG$(D$,7,1)&SEG$(D$,16,1)
&SEG$(D$,5,1)&SEG$(D$,14,1)&SEG$(D
$,3,1)&SEG$(D$,12,1)&SEG$(D$,1,1)&
SEG$(D$,10,1)
440 B$(I,5)=B$(I,5)&SEG$(D$,15,1)&SEG$(
D$,8,1)&SEG$(D$,13,1)&SEG$(D$,6,1
)&SEG$(D$,11,1)&SEG$(D$,4,1)&SEG$(
D$,9,1)&SEG$(D$,2,1)
450 NEXT J :: CALL HCHAR(22,14+I,58)::
NEXT I
460 GOSUB 1650 :: GOSUB 1660
470 FOR I=1 TO 12
480 FOR J=1 TO 8
490 C$(I,J)="" :: D$=B$(I,J)
500 FOR K=1 TO 16 STEP 2
510 C$(I,J)=C$(I,J)&RPT$(SEG$(D$,K,2),
4)
520 NEXT K
530 NEXT J :: CALL HCHAR(22,14+I,58)
540 NEXT I :: CALL COLOR(1,9,1)
550 REM RESTART POINT
560 T=13 :: W=18 :: GOSUB 1650
570 CALL VCHAR(1,14,61,14):: CALL VCHA
R(1,19,61,14):: CALL HCHAR(1,15,61
,4)
580 CALL HCHAR(14,10,61,14):: CALL HCH
AR(18,10,61,14):: CALL HCHAR(24,10
,61,14)
590 CALL VCHAR(1,4,61,24):: CALL VCHAR
(1,9,61,24):: CALL VCHAR(1,24,61,2
4):: CALL VCHAR(1,29,61,24)
600 FOR I=0 TO 5 :: CALL HCHAR(1+4*I,5
,62,4):: CALL HCHAR(1+4*I,25,62,4)
:: NEXT I
610 CALL HCHAR(24,5,60,4):: CALL HCHAR
(24,25,60,4)
620 Y=97 :: X=113 :: CALL SPRITE(#1,40
,C(0),Y,X)

```



```

630 RANDOMIZE :: FOR I=1 TO 12 :: D(I)
=1+INT(8*RND)
640 A(I)=I :: A(I+12)=0 :: CALL CHAR(9
2+4*I,C$(I,D(I)))
650 CALL SPRITE(#I+1,92+4*I,C(I+V),1+3
2*(I-1)+192*(I>6),33-160*(I>6))
660 NEXT I
670 REM MAIN LOOP, CURSOR
680 GOSUB 1680
690 DISPLAY AT(15,14)SIZE(1):"=" :: DI
SPLAY AT(16,8)SIZE(14):"CHANGE=RES
TART" :: DISPLAY AT(17,8)SIZE(14):
"COLORS=OR QUIT"
700 CALL VCHAR(T-12,13,37):: CALL VCHA
R(T-12,20,36):: IF T=25 THEN 720
710 CALL VCHAR(T-11,13,32):: CALL VCHA
R(T-11,20,32)
720 CALL LOCATE(#1,Y,X)
730 CALL KEY(1,K,J):: IF J THEN 760
740 CALL JOYST(1,K,J):: IF (K=0)*(J=0)
THEN 730
750 K=2*K :: J=-2*J :: X=MIN(MAX(25,X+
K),201):: Y=MIN(MAX(1,Y+J),169)::
GOTO 720
760 IF K<>18 THEN 730
770 IF (Y<105)+(Y>121)+(X<65)+(X>161)T
HEN 890
780 IF (X>64)*(X<105)THEN 860
790 IF (X<121)+(X>161)THEN 890
800 GOSUB 1680 :: CALL LOCATE(#1,200,2
00):: DISPLAY AT(15,8)SIZE(13):"C
TO CONTINUE"
810 DISPLAY AT(16,8)SIZE(12):"R TO RES
TART" :: DISPLAY AT(17,8)SIZE(9):"
Q TO QUIT"
820 GOSUB 1630 :: IF (I=82)+(I=114)THE
N 550
830 IF (I=67)+(I=99)THEN 680
840 IF (I=81)+(I=113)THEN CALL CLEAR :
: STOP
850 GOTO 820
860 REM CHANGE COLOR
870 V=V+12 :: IF V>24 THEN V=0
880 FOR I=1 TO 12 :: CALL COLOR(#I+1,C
(I+V)):: NEXT I :: GOTO 730
890 REM CHECK FOR ON PIECE
900 J=1 :: IF X>184 THEN X=193 :: J=7
:: GOTO 920
910 IF X>41 THEN 930 ELSE X=33
920 Y=1+32*INT((Y+8)/32):: J=J+INT((Y+
7)/32):: GOTO 1000
930 IF (Y>89)+(X<105)+(X>121)THEN 730
940 X=113 :: J=12+(Y+7)/8


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...PUZZLE-12

```

950 IF JK>(T-1) THEN 730
960 IF A(J)=0 THEN 730
970 Y=Y+8*(D(A(J))<5):: IF T=25 THEN 9
90
980 CALL VCHAR(T-11,13,32):: CALL VCHA
R(T-11,20,32)
990 T=MAX(13,T-1)
1000 IF A(J)=0 THEN 730 ELSE I=A(J):: A
(J)=0
1010 REM PIECE COLOR BLACK FOR ROTATE
1020 CALL LOCATE(#1,200,200):: CALL COL
OR(#I+1,2)
1030 GOSUB 1680 :: DISPLAY AT(16,12)SIZ
E(8):"PIECE ";CHR$(64+I):: DISPLAY
AT(17,11)SIZE(8):"ROTATE";D(I)
1040 CALL KEY(1,K,J):: IF J THEN 1150
1050 CALL JOYST(1,K,J):: IF (K=0)*(J=0)
THEN 1040
1060 K=0.25*K :: D(I)=D(I)+J
1070 IF D(I)<1 THEN D(I)=D(I)+8
1080 IF D(I)>8 THEN D(I)=D(I)-8
1090 J=0 :: IF D(I)>4 THEN J=4
1100 D(I)=D(I)+K
1110 IF D(I)<(1+J) THEN D(I)=4+J
1120 IF D(I)>(4+J) THEN D(I)=1+J
1130 CALL CHAR(92+4*I,C$(I,D(I))): CAL
L PATTERN(#I+1,92+4*I)
1140 GOTO 1020
1150 IF K<>18 THEN 1040
1160 REM PIECE COLOR WHITE TO MOVE
1170 GOSUB 1680 :: DISPLAY AT(16,12)SIZ
E(8):"PIECE ";CHR$(64+I):: DISPLAY
AT(17,13)SIZE(4):"MOVE"
1180 CALL VCHAR(T-12,13,32):: CALL VCHA
R(T-12,20,32)
1190 CALL VCHAR(T-11,13,37):: CALL VCHA
R(T-11,20,36):: CALL COLOR(#I+1,16
)
1200 CALL KEY(1,K,J):: IF J THEN 1240
1210 CALL JOYST(1,K,J):: IF (K=0)*(J=0)
THEN 1200
1220 K=2*K :: J=-2*J :: X=MIN(MAX(33,X+
K),193):: Y=MIN(MAX(1,Y+J),161)
1230 CALL LOCATE(#I+1,Y,X):: GOTO 1200
1240 IF K<>18 THEN 1200
1250 REM POSITION OK?
1260 IF (Y>89)+(X<>113) THEN 1360
1270 CALL COINC(ALL,J):: IF J THEN 1200
1280 E$=B$(I,D(I))
1290 IF (Y=1)*((SEG$(E$,1,2)<>"00")+ (SE
G$(E$,9,2)<>"00")) THEN 1200
1300 IF (Y=81)*((SEG$(E$,7,2)<>"00")+ (S
EG$(E$,15,2)<>"00")) THEN 1200
1310 IF (Y=89)*((SEG$(E$,5,2)<>"00")+ (S
EG$(E$,13,2)<>"00")) THEN 1200
1320 J=12+(Y+7)/8 :: J=J-(D(I)<5)
1330 IF JK>T THEN 1200

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1340 IF A(J)>0 THEN 1200
1350 CALL VCHAR(T-11,13,32):: CALL VCHA
R(T-11,20,32):: T=MIN(25,T+1):: GO
TO 1420
1360 IF X<185 THEN 1380
1370 X=193 :: J=7 :: GOTO 1400
1380 IF X>41 THEN 1200
1390 X=33 :: J=1
1400 J=J+INT((Y+8)/32)
1410 Y=1+32*INT((Y+8)/32)
1420 IF A(J)>0 THEN 1200 ELSE A(J)=I
1430 CALL LOCATE(#I+1,Y,X)
1440 CALL COLOR(#I+1,C(I+V))
1450 FOR J=1 TO 3
1460 IF A(J)>0 THEN I=J :: GOTO 1490
1470 IF A(J+6)>0 THEN I=J+6 :: GOTO 149
0
1480 NEXT J :: GOTO 1550
1490 FOR K=6 TO J+1 STEP -1
1500 IF A(K)=0 THEN 1530
1510 IF A(K+6)=0 THEN K=K+6 :: GOTO 153
0
1520 NEXT K :: GOTO 1550
1530 A(K)=A(I):: A(I)=0 :: I=A(K)
1540 CALL LOCATE(#I+1,1+32*(K-1)+192*(K
>6),33-160*(K>6))
1550 REM CHECK FOR WIN
1560 FOR J=24 TO 13 STEP -1
1570 IF A(J)=0 THEN 680
1580 NEXT J :: CALL SCREEN(16)
1590 DISPLAY AT(16,9)SIZE(11):"YOU DID
IT!" :: DISPLAY AT(17,8)SIZE(13):"
PRESS ANY KEY"
1600 GOSUB 1630 :: CALL SCREEN(12):: GO
TO 680
1610 STOP
1620 REM SUBROUTINES
1630 CALL KEY(0,I,K):: IF K THEN RETURN
1640 CALL KEY(1,I,K):: IF K THEN RETURN
ELSE 1630
1650 CALL CLEAR :: DISPLAY AT(W+2,10):"
PUZZLE-12" :: DISPLAY AT(W+4,10):"
WESLEY R." :: DISPLAY AT(W+5,10):"
RICHARDSON" :: RETURN
1660 FOR I=7 TO 17 :: READ E$ :: DISPLA
Y AT(1+I,1):E$ :: NEXT I :: DISPLA
Y AT(22,5):"LOADING"
1670 CALL HCHAR(21,15,60,12):: CALL HCH
AR(23,15,62,12):: RETURN
1680 FOR J=15 TO 17 :: DISPLAY AT(J,8)S
IZE(14):"" :: NEXT J :: RETURN
1690 !@P+
1700 END

```

K991

February

1991

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

January 1991

S M T W TH F S
 6 7 8 9 10 11 12
 13 14 15 16 17 18 19
 20 21 22 23 24 25 26
 27 28 29 30 31

March 1991

S M T W TH F S
 3 4 5 6 7 8 9
 10 11 12 13 14 15 16
 17 18 19 20 21 22 23
 24 25 26 27 28 29 30
 31

From The Desk Of:
Deanna Sheridan

M&S

JOHN W. AND MARY DOE

555-66-5555

MEDICAL AND DENTAL EXPENSES:			
CAUTION: DO NOT INCLUDE EXPS REIMB OR PAID BY OTHERS.			
AND	1 MEDICAL AND DENTAL EXPENSES.....(1)	4,500	#####
DENTAL	2 ENTER AMOUNT FROM FORM 1040, LINE 32...(2)	47,948	#####
EXPENSES:	3 MULTIPLY THE AMOUNT ON LINE 2 BY 7.5%.(3)	3,596	#####
	4 SUBTRACT LINE 3 FROM LINE 1, ENTER THE RESULT....(4)	904	

	5 STATE AND LOCAL INCOME TAXES.....(5)	2,000	#####
TAXES	6 REAL ESTATE TAXES.....(6)	1,200	#####
YOU	7 OTHER TAXES (INCL PERSONAL PROP TAXES):		#####
PAID			#####
		(7)	0 #####
	8 ADD LINES 5 THROUGH 7, ENTER THE TOTAL.....(8)	3,200	

	9A DEDUCTIBLE HOME MORTGAGE INTEREST PAID TO FINANCIAL INSTUTIONS AND REPORTED TO YOU ON FORM 1098.....(9A)	5,000	#####
INTEREST:	B OTHER DEDUCTIBLE HOME MORTGAGE INTEREST (IF PAID TO AN INDIVIDUAL, SHOW NAME AND ADDRESS.)		#####
YOU			#####
PAID			#####
		(9B)	0 #####
	10 DEDUCTIBLE POINTS.....(10)	65	#####
	11 DEDUCTIBLE INVESTMENT INTEREST.....(11)	0	#####
	12A PERSONAL INTEREST YOU PAID.....(12A)	750	#####
	12B MULTIPLY LINE 12A BY .10% (.10).....(12B)	75	#####
	13 ADD LINES 9A THRU 11, AND 23B, ENTER THE TOTAL...(13)	5,140	

	14 CONTRIBUTIONS BY CASH OR CHECK.....(14)	1,000	#####
GIFTS TO:	15 OTHER THAN CASH OR CHECK (ATTACH FORM 8283 IF OVER \$500).....(15)	100	#####
CHARITY			#####
	16 CARRYOVER FROM PRIOR YEAR.....(16)	0	#####
	17 ADD LNS 14 THRU 16, ENTER THE TOTAL.....(17)	1,100	

CASUALTY:			
/THEFT	18 CASUALTY OR THEFT LOSS(ES) (FORM 4684).....(18)		0
MOVE EXP:	19 MOVING EXPENSES (FORM 3903 OR 3903F).....(19)		0

	20 UNREIMBURSED EMPLOYEE EXP (FORM 2106).....(20)		0 #####
MISC	21 OTHER (LIST):		#####
DEDUC-		(21)	0 #####
TIONS	22 ADD LINES 20 AND 21.....(22)		0 #####
	23 ENTER AMT FROM FORM 1040, LINE 32.....(23)		#####
	24 MULTIPLY LINE 23 BY 2% (.02).....(24)		0 #####
	25 SUBTRACT LINE 24 FROM LINE 22 (ZERO IF MINUS....(25)		0

OTHER	26 OTHER, LIST TYPE AND AMOUNT.		#####
MISC			0 #####
DEDUC-			0 #####
TIONS			0 #####
		(26)	0

TOTAL	27 ADD LINES 4,8,13,17,18,19,25 AND 26.....(27)	10,344	

THAT YOU CAN ORDER IT IMMEDIATELY IF YOU WISH..

D/V80 MPINDEX
(AND RETRIEVAL)
L. KEE, TI-CHIPS US 1/2/91

FIRST, I'D LIKE TO SAY I THINK MICROPENDIUM IS A GREAT PUBLICATION. SECOND, THE COMPILATION OF THE INDEX BY E. SCHOOLING DESERVES HIGH PRAISE. THIRD, THE RETRIEVAL PROGRAM BY J. GROSLouis IS VERY GOOD.

AFTER SEARCHING THROUGH ALL MY ISSUES OF MICROPENDIUM FOR AN ARTICLE OR SERIES, I FINALLY FELT A NEED FOR THE MPINDEX, COMPILED BY ELTON SCHOOLING. THE USE OF JACQUES GROSLouis' RETRIEVAL WITH THE INDEX FILES SEEMED A BIG PLUS TOO FOR ME. MY PROGRAM MAY NOT BE "A BETTER MOUSETRAP" AND IT PROBABLY IS NOT PERFECT (EXCEPT IN MY MIND). HOWEVER, HAVING BOTH THE DATA STATEMENT FILE AND A D/V80 FILE WAS TOO MUCH. ENTERING THE INFORMATION IN ANY BASE IS NO ONE'S "CUP OF TEA" - ESPECIALLY DOING IT TWICE (EVEN THOUGH IT CAN BE CONVERTED). ALSO, IT SEEMED WASTEFUL TO HAVE THE INDEX PROGRAM ON THE DISK MANY TIMES.

SO, THOUGHT I, IF THE INDEX DATA WERE ENTERED AS D/V80 FILES USING TIMRITER (OR THE LIKE) AND IF THE MPINDEX PROGRAM WERE MODIFIED TO READ D/V80 FILES, THE FOLLOWING COULD OBTAIN:

1. FULL AND EASY EDITING WOULD BE POSSIBLE.
2. DATA COULD BE READ BY BOTH RETRIEVAL AND MPINDEX PROGRAMS.
3. ITEMS NOT IN THE ORIGINAL LIST COULD BE ADDED OR YOUR OWN PERSONAL NOTES (PERNO 2/85/00) COULD BE ENTERED.
4. A D/V80 FILE OF THE ABBREVIATIONS COULD BE READ BY

- MPINDEX IF ABBR REPLACED THE YEAR IN THE FILENAME.
5. THE MPINDEX PROGRAM IS NEEDED ONLY ONCE ON DISK.
6. FIFTEEN TO TWENTY YEARS OF INDEX DATA COULD BE ON ONE DISK.

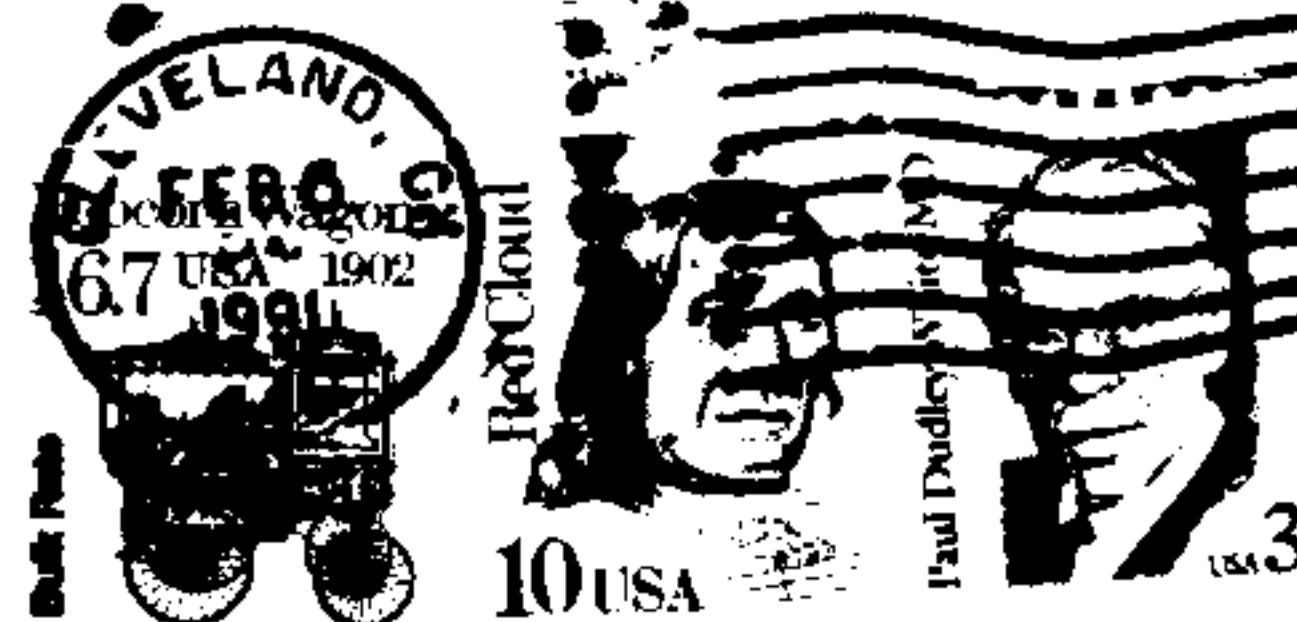
EACH YEAR-FILE IS NAMED INDEXYYYY (YYYY=THE YEAR) WITH THE ABBREVIATION FILE NAMED INDEXABBR. THE FIRST ITEM IN THE FILE IS THE FILENAME; THE SECOND IS THE TOTAL NUMBER OF ONLY DATA ITEMS IN THE FILE, NOT INCLUDING THE FILENAME NOR THE TOTAL NUMBER. THESE ARE FOLLOWED BY THE DATA. MPINDEX CAN THEN PRINT OR DISPLAY THE FILE NAME AND DATA AND USE THE NUMBER FOR CONTROL IN THE PROGRAM. SINCE I'M NOT A FAST DISPLAY READER, I ADDED A PAUSE FEATURE. THE PAGING AND PAGE NUMBERING WERE UNCLEAR TO ME AND I DELETED IT FROM THE PROGRAM--ANY IDEAS? ALSO, THE A AND B PARTIAL LISTS WERE COMBINED FOR A YEAR AND A,B PROGRAMMING WAS DELETED IN BOTH PROGRAMS.

TO CREATE THE YEAR-FILE USE TIVR OR A WORDPROCESSOR THAT MAKES D/V80 FILES. ENTER INDEXYYYY (FOR EXAMPLE INDEX1984) ON THE FIRST LINE. ENTER THE TOTAL #, ON LINE 2, OF THE DATA ITEMS BEGINNING ON LINE 3. FOR 1984 THAT IS, 1.INDEX1984 2.210 3.ANY DATA ITEM 4.ANOTHER DATA ITEM, AND SO ON.

THE INDEX PROGRAM USES THE E/A SORT PUBLISHED IN THE MICROPENDIUM APRIL 1989 ISSUE. A SLIGHT MODIFICATION TO THE FILENAMES FOR THE RETRIEVAL PROGRAM WAS MADE. THE MERGE PROGRAMS WERE THEN NO LONGER NEEDED. THUS, MY DISK CONTAINS MPINDEX, SORT, RETRIEVAL, INDEXABBR AND INDEX1984-INDEX1989.

ANY COMMENTS, ETC. WILL REACH ME AT 16980 HOWE ROAD STRONGSVILLE, OH 44136-6457.

CLEVELAND AREA 99/4A USERS GROUPS
C/O DEANNA SHERIDAN
20311 LAKE ROAD
ROCKY RIVER, OH 44116



CHECK YOUR EXPIRATION DATE.
THIS MAY BE YOUR LAST ISSUE!

FIRST CLASS

FIRST CLASS

FIRST CLASS

FIRST CLASS

Exp Date: 91/07