

CLEVELAND AREA TI-994/A USER GROUPS NEWSLETTER NOVEMBER, 1990

OFFICERS	NORTHCOAST	TI-CHIPS	MEETING DATES
CO-PRESIDENT	STEVE BAGSTED 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	CHUCK POULIN 731-6473 361 E. 280TH ST. EUCLID, OH 44132	JOHN PARKEN 331-2830 4172 W. 217TH ST. FAIRVIEW PARK, OH 44126	THIRD SATURDAY THIRD SATURDAY OCTOBER 20, 1990 NOVEMBER 20, 1990 DECEMBER 15, 1990 JANUARY 19, 1991 FEBRUARY 16, 1991 MARCH 16, 1991
SECRETARY	CHUCK POULIN 731-6473	DENNIS LIKENS 842-9627	
LIBRARY(DISK)	MARTIN SMOLEY 1-257-1661	HARRY HOFFMAN 631-2354	
TAPE & MODS	FRANK JENKINS 283-8526	JOHN PARKEN 331-2830	
HARD COPY)	DICK ALDEN 1-352-9172		

WE STILL NEED A NEWSLETTER EDITOR THE FIRST OF THE YEAR. WE HAVE HAD ONE PERSON EXPRESS AN INTEREST. I AM NOT EVEN GOING TO MENTION WHO IT IS BECAUSE IT IS SOMEONE WHO ALREADY DOES MORE THAN THEIR SHARE FOR THE CLUB. IT WOULD BE NICE IF SOMEONE WHO ISN'T THAT INVOLVED WOULD STEP FORWARD. IT TAKES ABOUT 5 OR 6 CONCENTRATED HOURS TO PUT TOGETHER. WE HAVE BEEN FORTUNATE, AND I HOPE WILL CONTINUE TO BE FORTUNATE, IN HAVING LOCAL PEOPLE WRITE ORIGINAL ARTICLES/PROGRAMS. THIS MAKES THE NEWSLETTER EDITOR JOB VERY EASY. THE DIFFICULT PART IS GOING THROUGH THE NEWSLETTER EXCHANGE TO FILL UP WHAT IS NOT PRODUCED LOCALLY. I HAVE ALWAYS RETYPED THE ARTICLES BECAUSE I CAN THEN SQUEEZE THEM INTO MORE SPACE AND WE GET MORE INFORMATION IN OUR 10 PAGES. HOWEVER, THAT IS NOT NECESSARY. MANY NEWSLETTERS JUST COPY COPIES AND GET ALONG JUST FINE. THE LAST PART IS TRYING TO COVER ALL THE LITTLE THINGS THAT ARE GOING ON THAT SHOULD BE BROUGHT TO YOUR ATTENTION ON THIS PAGE. COME ON AND VOLUNTEER!

STEVE BAGSTAD WANTS TO KNOW IF YOU ARE INTERESTED IN A SERIES OF TUTORIALS ON MULTIPLAN. I HOPE ENOUGH OF YOU RESPOND IN THE AFFIRMATIVE FOR STEVE TO FEEL IT WORTHWHILE. THIS IS ONE OF THOSE PROGRAMS YOU SOON GIVE UP ON BECAUSE THE TIPS & TRICKS TO GETTING THE MOST OUT OF THE PROGRAM SEEM TOTALLY OUT OF REACH. I STARTED MULTIPLAN A LONG TIME AGO AND NEVER GOT BACK TO IT. HE HAS MY HEARTY, YES.

JUST IN CASE, YOU THINK THERE'S NOTHING NEW THAT CAN BE DONE WITH THE TI, I ASKED MARTY TO GIVE US AN EXAMPLE OF WHAT HE HAS BEEN DOING WITH HIS LASER PRINTER AND TI-WRITER. HE IS IN EFFECT WRITING HIS OWN PRINTER DRIVERS TO DO SOME WONDROUS THINGS. HE IS TRYING TO FIND THE SECRET TO DOING GRAPHICS ON A LASER FROM THE TI. IF ANYONE CAN DO IT, I THINK MARTY CAN. I AM SURE IF I SHOWED THIS AROUND MY OFFICE AND TOLD THEM IT WAS DONE WITH A TI99 4/A, THEY WOULD ROLL IN THE ISLES WITH LAUGHTER. HARRY HOFFMAN IS AGAIN ATTENDING THE FAIRE IN CHICAGO, AND HOPEFULLY HE WILL

BE ABLE TO REPORT ON ANY NEW SOFTWARE /HARDWARE THAT MIGHT BE INTRODUCED. I TALKED WITH RODGE MERRITT RECENTLY AND HE WILL HAVE A NEW GAME, AN INSTANCE PRINTER (PRINTS AN ENTIRE PAGE INSTEAD OF ONE DOWN THE MIDDLE LIKE FONTWRITER), AND A PROGRAM TO PRINT TIPS FROM THE TI-WRITER FORMATTER. HOPE THE HARD DISK CONTROLLER WILL BE READY. IT WAS TO HAVE BEEN INTRODUCED AT THE HARRISBURG FAIRE, WHICH WAS CANCELLED AT THE LAST MINUTE.

I ALSO HOPE THAT YOU WILL RESPOND TO JOHN PARKEN'S REQUEST FOR WAYS YOU USE YOUR TI. SOME OF YOU MIGHT HAVE DEVELOPED AN APPLICATION NO ONE ELSE EVER THOUGHT ABOUT. WE CAN SHOW THOSE BIG GUYS WE HAVE A SERIOUS COMPUTER!

HOWIE WINKLER HAS MODIFIED A COLECO JOYSTICK 10-KEY PAD TO WORK WITH TI-ARTIST. THIS USES THE MODIFICATION PRINTED IN OUR NEWSLETTER SOME TIME AGO BY BOB KAGY TO ALLOW YOU TO HAVE TRUE DIAGONALS WHEN WORKING WITH ARTIST. I HAVE NOT HAD THE TIME TO TRY MINE OUT. I BELIEVE HE WILL BE SELLING THESE FOR ABOUT \$15.00 TO CLUB MEMBERS.

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TI-CHIPS (20 OCT 1990)

DENNIS LIKENS

HI EVERYONE. THE OCTOBER CHIPS MEETING GOT UNDER WAY BY BEING CALLED TO ORDER BY PRES. MATT ANDEL AT 10:20AM. ABOUT 23 PERSONS WERE ON HAND TO HEAR THE READING OF LAST MONTHS NOTES. THERE WAS A CHANGE, WE HADN'T GOT SEP'S BILL FOR THE NEWSLETTER, NOT THE AUG AS STATED.

TREASURY: LIN SMAN REPORTED BOTH BILLS FOR THE NEWS LETTERS WERE RECEIVED SO OUR BALANCE DROPPED BELOW \$1000.00 BUT NOT BY A WHOLE LOT.

TAPE-MODULE LIBRARY: JOHN PARKEN ADVISED 2 MEMBERSHIPS ARE GOING TO EXPIRE THIS MONTH. CHECK YOUR NEWSLETTER FOR THE DATE OF EXPIRATION SO YOU DON'T MISS OUT ON THE AREA CLUBS HAPPENINGS. I RECENTLY PURCHASED A CONSUMER MAGAZINE THAT RAN A FEW WORD PROCESSOR MACHINES THROUGH SOME TESTS. THE PRICE FROM THESE MACHINES RAN FROM \$400 TO \$700. JUST TO BE ABLE TO TYPE A LETTER, CHECK IT FOR SPELLING ERRORS AND PRINT IT OUT. NOW THINK, FOR HALF THAT, YOU CAN HAVE A FULL BLOWN TI 99/4A COMPLETE WITH DISK, EXTRA RAM, A FEW MODULES AND LOTS OF DISKS, BUY A USED PRINTER AND STILL HAVE MONEY LEFT OVER TO SOCK AWAY. IT CAN BE DONE PEOPLE. LETS NOT FORGET THAT YOU CAN ALSO PLAY GAMES, DO SOME GRAPHICS AND EVEN LET THE COMPUTER SING YOU A TUNE. CAN'T DO THAT ON THOSE STANDALONE WORDPRO'S. THE SUPPORT FOR OUR MACHINE IS HERE YOU JUST HAVE TO LET US HELP YOU. JOHN HANDED OUT A SURVEY TO HELP UPDATE MEMBERS NEEDS. IF YOU DIDN'T RECEIVE ONE, ADVISE JOHN SO THIS IMPORTANT INFO CAN BE OBTAINED.

DISK LIBRARY: HARRY BROUGHT IN SOME OF THE LATEST DISK'S AND COPIES OF PROGRAMS THAT MEMBERS HAD ORDERED. HE JUST ADDED TIPS V1.7 SO YOU GRAPHIC FANS BEWARE.

DEMO'S: MATT DEMO'D PC TRANSFER. THIS PROGRAM WILL READ AN IBM DISK, XFER ANY DV80 FILES TO A TI DISK. IT WILL FORMAT A BLANK DISK TO MSDOS FORMAT AND COPY FROM THE TI DISK TO THE IBM DISK. THE PROGRAM COST \$14.95 AND A UTILITIES DISK FOR \$9.95. SO FOR YOU IBM/TI USERS, WORK ON YOUR STUFF AT WORK, THEN BRING IT HOME AND FINISH IT UP ON THAT 99. IF YOU GOT THE BURN THAT MIDNIGHT OIL, WHY NOT DO IT AT HOME. THE PROGRAM IS EASY TO USE AND IS FAST. THE ONLY PROBLEM IT COULD CAUSE IS THAT YOU MUST HAVE DOUBLE SIDED, DOUBLE DENSITY DRIVES.

X-BASIC: LES WAS BACK IN THE SADDLE THIS MONTH WITH A PROGRAM HE BORROWED FROM MICROPENDIUM THAT DOES A DISK DIRECTORY TO SCREEN, OR PRINTER. HE SHOWED HOW TO CHANGE THE PROGRAM AND GET IT DUMPED TO DISK. HE MAKES IT LOOK TOO EASY.

RON SHOWED US A PROGRAM BY JIM REISS. "TYPWRITER" OH BOY, ANOTHER WORDPRO. SORRY FOLKS. THIS PROGRAM IS NOT A TI-WRITER REPLACEMENT. WHAT IT DOES IS LOADS FAST, LETS YOU TYPE IN TEXT TO PRINT OUT. HERES WERE IT CHANGES. IT PRINTS WHILE YOU TYPE. BEEPS WITH EACH KEY PRESSED AND CAN DO WHAT MOST OTHER TYPEWRITERS DO, CENTER TEXT, BOLD FACE TYPE/PRINT, JUSTIFY AND SPACING. IT DOES NOT SAVE/LOAD DATA FROM DISK. AGAIN JUST LIKE A TYPWRITER ONLY CHEAPER.

RON FROM RAMCHARGED COMPUTERS WENT ON TO SHOW US HOW TO USE SOME NEW PRODUCTS. WELL NOT REALLY, JUST PRODUCTS THAT MANY OF USE WANT TO BUY BUT JUST KEEP PUTTING IT OFF. HE HAD A 1200BAUD MODEM COMPLETE WITH CABLE AND COUPLE OF PROGRAMS TO GET YOU UP AND DOWNLOADING. THE PRICE WAS

\$99.00 FOR THIS HAYES COMPATIBLE MODEM. HE ALSO HAD A 2400BAUD MODEM FROM COMPUTER SHOPPER THAT COST AROUND \$120.00 BUT DIDN'T SEEM TO BE WELL PUT TOGETHER. AS THE OLD SAYING GOES, YOU GET WHAT YOU PAY FOR AND RATHER IT WORKS OR NOT, IT'S HOW LONG IT WORKS AND HOW IT PERFORMS THAT MATTERS. WELL, ENOUGH ON APPLES AND ORANGES. HE ALSO REPORTED THAT NEW TOSHIBA DRIVES HAVE A FASTER HEAD STEP TIME SO IT LOADS FASTER AND ALSO THE WAY IT LOOKS FOR DATA ON THE DISK SAVES THE HEAD. RON WILL SUPPLY THE HARDWARE FOR YOU TO INSTALL THEM OR HE WILL DO IT FOR YOU

RAFFLE: JACK KORYTA WON THE RAFFLE OF 10 DISKS FROM THE LIBRARY. CONGRATS TO JACK.

SPECIAL THANKS TO RON FROM RAMCHARGED COMPUTERS. HE DONATED A PAIR OF PROSTICK II'S WITH ADAPTER TO THE CLUB. SEE EVERYONE AT THE NOV 17TH MEETING.

EXECUTIVE NOTES - NORTHCOAST
10/20/90

THE OCT. 20 MEETING WAS ATTENDED BY ABOUT 20 PEOPLE. BOB KAGY PASSED ON TO ME THE FOLLOWING ITEMS OF INTEREST INCLUDING:

-WE USED A SIGN UP SHEET AGAIN, SO WE ARE FINDING OUT WHO IS COMING TO MEETINGS. PERHAPS THIS WILL HELP WITH PLANNING SUBJECTS, AND TO FIND OUT WHY PEOPLE THAT DON'T OFTEN COME ARE NOT SEEN MUCH. I'D REALLY LIKE US TO GET NAME TAGS AGAIN- PERHAPS MY PROJECT OF THE MONTH, AS I THINK THEY ARE A HELP TO THOSE OF US WITH MEMORY PROBLEMS.

-THE CLEVELAND BBS "FRENET" WAS MENTIONED BRIEFLY AND THE NEW SYSOPS, MARTHA AND ERNIE PETTI WERE INTRODUCED.

-OUR MULTI-YEAR SECRETARY, CHUCK POULIN, EXPRESSED HIS DESIRE FOR SOME RELIEF; WE NOW KNOW OF TWO SURE NEW POSITIONS NEEDING TO BE FILLED WITH THIS ONE AND OF COURSE DEANNA'S NEWSLETTER ONE. A NOMINATING COMMITTEE WAS BRIEFLY DISCUSSED WITH NO CONCLUSIVE RESULTS.

-THE NEW HARD/FLOPPY DISK CONTROLLER CARD FROM ESD WAS DISCUSSED, WITH MOST PEOPLE THAT SHOWED INTEREST WANTING TO "WAIT AND SEE" FOR THE PRODUCT'S PROMISED ARRIVAL ON NOVEMBER 30. I HAD RECEIVED A LETTER FROM THEM DATED OCT. 11 IN RESPONSE TO THE REPLY CARD LEFT AT THE LIMA FAIR SEVERAL MONTHS AGO. I WILL WRITE THEM ABOUT EITHER A DEMO UNIT OR LIVE DEMO FOR OUR GROUP.

-THE GROUP PURCHASE OF REINKING GADGETS FOR PRINTER RIBBONS WAS COMPLETED FOR 4 MEMBERS THAT BANDED TOGETHER.

-RON MARKUS OF RAMCHARGED COMPUTERS DONATED A SET OF JOYSTICKS TO THE GROUP TO HELP WITH DEMOS, ETC. - THANKS, RON!

-FINALLY, HARRY HOFFMAN KINDLY FILLED IN FOR HOWIE WINKLER WHO HAD TO BE OUT OF TOWN IN A RAMDISK DEMONSTRATION. UNDERSTAND THAT HE HAS TWO OF THEM- MUST BE NICE! THANKS TO BOTH OF YOU FOR HELPING OUT WITH AN INTERESTING TOPIC.

-FOR NEXT MONTH, I PLAN TO BUNDLE UP MY GENEVE SYSTEM AGAIN FOR A LOOK AT AN OFTEN OVERLOOKED COMPARISON OF SYSTEM SPEED RUNNING A VARIETY OF SOFTWARE. I WILL INCLUDE BR³ LOOKS AT WORD PROCESSING (TI-WRITER), DATABASE (TI-b. 3.0!), SPREADSHEET (MULTIPLAN), AND A FEW GENERAL CATEGORIES OF UTILITIES, GRAPHICS, AND GAMES. WE WILL REQUIRE THE

GROUP SYSTEM TO BE THERE TO LET US COMPARE!! I HOPE IT WILL BE INTERESTING- IF YOU HAVE A PARTICULAR PROGRAM YOU THINK IS EITHER NICE AND SPEEDY, OR A DOG AND TOO SLOW, BRING IT ALONG AND WE'LL TAKE A LOOK.

-I'D ALSO LIKE TO HEAR FROM THE GROUP IF THERE IS INTEREST IN A NEWSLETTER TUTORIAL SERIES ON MULTIPLAN SINCE I THINK MARTY IS GOING TO TAKE A BREAK FROM HIS EXCELLENT TI-BASE SERIES. HAS THIS SPREADSHEET BEEN AROUND LONG ENOUGH THAT PEOPLE KNOW IT PRETTY WELL, OR NOT?? IF I HEAR INTEREST, I'LL GIVE IT A TRY. SEE YOU ON NOVEMBER 20TH!
STEVE

100 & ONE WAYS TO USE YOUR TI BY JOHN PARKEN TI CHIPS

IT HAS COME TO MY ATTENTION PEOPLE FEEL THEIR TI HAS OUT LIVED IT'S USEFULNESS. THE REASON THEY FEEL THIS WAY IS BECAUSE THEY NEVER TURN IT ON. COMPUTERS DO NOT POUR OUT INFORMATION WITHOUT SOME INPUT. TO USE A COMPUTER YOU NEED A PURPOSE FOR EXAMPLE: MAKING SOMETHING, LABELS, PICTURES OR KEEPING TRACK OF DATA.

IF YOU NEED THE POWER OF AN IBM FOR YOUR BUSINESS THEN BUY IT. BUT TO GET REAL POWER 286 OR 386 HARD VGA OR EGA 1 MEG TO 3 MEG OF MEMORY YOU WILL HAVE \$1800 IN THE SYSTEM. THIS IS ONLY HARDWARE. YOUR SOFTWARE COULD COST THE SAME.

IF YOU DON'T USE YOUR TI YOU WON'T USE AN IBM EITHER.

THE COMPUTER IS A TOOL JUST LIKE A DRILL OR A HAMMER. SOME JOBS REQUIRE IT AND OTHERS DON'T. THIS ARTICLE FOR EXAMPLE I WOULD NEVER TYPE ON A TYPEWRITER BUT USE MY COMPUTER.

WRITING AN ARTICLE FOR THE NEWSLETTER, KEEPING TRACK OF CLUB MEMBERSHIP, ARE ALL COMPUTER USES. IF IT CREATES 20 HRS OF WORK BUT IF 1 PERSON WORKS 20 HRS, THAT'S MORE LIKE A JOB. LET'S ALL PITCH IN AND HELP.

WRITING IS SOMETHING I PUT ON MY 10 LEAST FAVORITE THINGS TO DO; JUST ABOVE GETTING STUNG BY WASPS! WHILE I BRUSH UP ON MY TYPING GIVE ME SOMETHING TO TYPE. IF YOU HAVE A USE FOR YOUR TI YOU WOULD LIKE TO SHARE, PLEASE WRITE OR CALL JOHN PARKEN 4172 WEST 217 FAIRVIEW PARK OH, 44126 PH 331-2830. I WILL IN THE COMING MONTHS TRY AND PASS ON GOOD PRACTICAL USES OF YOUR COMPUTER.

FOURTH IN A SERIES OF FOUR.

COMPUTER COMMUNICATIONS BY BRUCE RODENKIRCH

LAST MONTH WE WERE STARTING TO DISCUSS HOW DIGITAL COMMUNICATION IS USED IN HAM RADIO, NAMELY MORSE CODE AND THE VARIOUS RTTY MODES, AMTOR, ASCII, BAUDOT, AND PACKET. THE NEWEST AND MOST POPULAR MODE IS PACKET RADIO. IT IS AN ERROR CORRECTING MODE AND WORKS BEST ON THE HIGHER, SHORTER RANGE FREQUENCIES BUT CAN BE USED SUCCESSFULLY OVER LONGER DISTANCES. MOST HAMS LIKE ASCII OR BAUDOT RTTY FOR TRANSMISSIONS OVER LONGER RANGES. THE HARDWARE OR EQUIPMENT REQUIRED ARE FAIRLY SIMPLE TO OPERATE. IF YOU ARE A HAM YOU PROBABLY HAVE A TRANSCEIVER. IF YOU ARE NOT A HAM YOU CAN USE THESE MODES ON RECEIVE ONLY USING A SHORTWAVE RADIO. A "TERMINAL" IS USED BETWEEN THE COMPUTER AND THE RADIO. THE TERMINALS SOLD TODAY ARE MULTIFUNCTIONAL AND CAN BE SET TO

WORK IN ALL OF THE ABOVE MODES. A TELEPHONE COMMUNICATION PROGRAM DESIGNED TO WORK WITH A MODEM IS NEEDED ALSO. TELCO WORKS FINE AS WILL FASTERN, 4A TALKS AND OTHER COMMERCIAL PROGRAMS.

ALTHOUGH THE RADIO COMMUNICATION IS AT 1200 BAUD, THE COMMUNICATION PROGRAM NEED ONLY BE AT 300 BAUD SO TE II WOULD WORK.

THE TERMINAL CONTAINS A MODEM AND A MICROCOMPUTER WITH THE SOFTWARE ON EPROMS. WHEN A COMMAND IS SENT FROM THE COMPUTER TO THE TERMINAL MODEM, THE CPU OR MICROCOMPUTER CONFIGURES THE TERMINAL TO DO WHATEVER IS NECESSARY FOR THE SELECTED OPERATION MODE. THE DATA GOES FROM THE COMPUTER TO THE MODEM IN FULL DUPLEX MODE, WHICH MEANS THAT TWO WAY COMMUNICATION EXISTS BETWEEN THE TWO. THE MODEM CONVERTS THE ASCII DATA INTO AUDIO FREQUENCY SHIFT KEYING (AFSK OR FSK) SIGNALS, WHICH ARE SENT TO THE RADIO AND TRANSMITTED TO THE RECEIVING STATION. FOR PACKET THERE ARE TWO AUDIO TONES USED FOR SPACE AND MARK TONES, 1200 AND 2400 HERTZ (HZ), OR CYCLES PER SECOND.

YOUR TELEPHONE MODEM USES TWO SETS OF AUDIO FREQUENCY PAIRS. UNLIKE RADIO COMMUNICATION USING ONE TRANSMIT FREQUENCY IN HALF DUPLEX ONLY TELEPHONE COMMUNICATIONS CAN BE IN FULL DUPLEX. FOR THE BELL 103/113 MODEMS, THE ORIGINATING MODEM SENDS SPACE TONES OF 1070 HZ AND MARK TONES OF 1270 HZ. THE ANSWERING MODEM REPLIES WITH 2025 HZ AND 2225 HZ SPACE/MARK TONES. THIS IS WHY YOU MUST TELL YOUR MODEM WHETHER IT IS TO ORIGINATE OR RECEIVE A CALL. BY USING THESE TONE PAIRS THE TWO COMPUTERS CAN SEND SIGNALS IN BOTH DIRECTIONS AT THE SAME TIME AND STAY WITHIN THE BANDWIDTH OF THE PHONE LINES. IF YOUR MODEM HAS A SPEAKER YOU PROBABLY HAVE HEARD THESE TONES AS YOUR MODEM AND THE OTHER MODEM GO THROUGH THEIR "HANDSHAKE" PROTOCOL.

IT IS NECESSARY TO ENTER YOUR HAM CALL WHEN THE TERMINAL IS CONFIGURED; THE TERMINAL WILL NOT WORK WITHOUT IT. THE "PACKET OF INFORMATION" IS SENT OUT, USUALLY USING FM, IN A BURST AT 1200 BAUD. THE TERMINAL CHECKS FIRST TO SEE IF THE FREQUENCY IS CLEAR. THE PACKET OF DATA CONTAINS THE HAM CALL OF THE CALLING STATION AND THE CALL OF THE TARGET STATION. THIS MAY BE AN INDIVIDUAL, A GENERAL CALL TO WHOEVER MIGHT BE LISTENING, A BBS OR A "DIGIPEATER" (MORE ON THIS BELOW). IF A "CONNECT" IS NOT MADE THE TERMINAL WILL TRY AGAIN AS SOON AS THE FREQUENCY IS CLEAR. IF A "CONNECT" IS MADE THE RECEIVING SYSTEM WILL CHECK FOR ERRORS AND TELL YOUR SYSTEM. IF AN ERROR WAS DETECTED YOUR SYSTEM WILL SEND THE MESSAGE AGAIN AND THE PROCESS IS REPEATED UNTIL IT GETS IT RIGHT. THE TRANSMISSION SOUNDS LIKE A ONE SECOND BUZZ, OR A CRICKET WITH SORE WINGS. IF NO ERROR IS FOUND THE RECEIVING STATION WILL SAY SO AND SEND ITS OWN "PACKET".

THE "DIGIPEATER" IS A STATION THAT IS SET UP TO RELAY YOUR MESSAGE TO A MORE DISTANT STATION WHICH YOU CANNOT REACH BECAUSE IT IS OUT OF YOUR LINE OF SIGHT. THIS IS NOT NECESSARY ON HF FREQUENCIES BECAUSE DISTANCE IS NOT LIMITED BY LINE OF SIGHT. YOU MAY SEND YOUR MESSAGE ADDRESSED TO THE STATION YOU WANT WITH AS MANY AS SEVEN DIGIPEATERS IN SEQUENCE. AS EACH DIGIPEATER GETS THE MESSAGE, IT ACKNOWLEDGES BACK TO THE PREVIOUS DIGIPEATER AND THUS TO YOU. WHEN YOU ARE IN CONTACT THE TWO WAY CONVERSATION IS TRANSMITTED THE SAME WAY. BY KEEPING THE DATA IN PACKETS, THE SHORT BURST CAN BE INTERSPERSED WITH OTHERS USING THE

SAME FREQUENCY. IF YOU WISH, YOU WILL ONLY RECEIVE THE SIGNALS ADDRESSED TO YOU. USING PACKET, ERROR FREE DATA CAN BE TRANSMITTED WITH VERY EFFICIENT USE OF THE FREQUENCIES.

AS AN EXAMPLE OF HOW THIS WORKS, I HAVE A FRIEND IN VIRGINIA WHO OPERATES PACKET. TO REACH HIM I CAN CALL HIM USING A "PATHWAY" FROM DIGIPEATERS IN AKRON TO YOUNGSTOWN TO PITTSBURGH TO BLUE KNOB (A MOUNTAIN TOP DIGIPEATER) TO FROSTBURG, MARYLAND AND THEN TO MY HAM FRIENDS CALL.

BY THE WAY THE DIGIPEATERS ALSO FUNCTION JUST LIKE A BBS OVER THE TELEPHONE LINES. THERE ARE FILES OF INFORMATION AND MESSAGE HANDLING CAPABILITIES. ONE OF THE CLEVELAND DIGIPEATERS CARRIES UP TO THE MINUTE WEATHER FORECASTS AND WARNINGS WHEN THE WEATHER IS OMINOUS.

IN JANUARY, 1990 SIX AMATEUR RADIO "MICROSATELLITES" WERE PUT INTO POLAR ORBIT THAT ACT AS DIGIPEATERS THAT CAN COVER HALF THE EARTH. PLANNED FOR THE FUTURE ARE SATELLITES THAT WILL RECORD TRANSMISSIONS TO IT TO BE REBROADCAST ON THE OTHER SIDE OF THE WORLD, AND THEN BRING MESSAGES BACK.

RTTY SIGNALS USING BAUDOT OR ASCII ARE TRANSMITTED OVER LONG DISTANCES AND CAN BE OF ANY LENGTH. IF THE BAND CONDITIONS ARE POOR THERE IS MORE CHANCE OF ERROR BUT FOR MOST PURPOSES THIS IS NOT IMPORTANT.

MORSE CODE SIGNALS CAN ALSO BE DECODED AND TRANSMITTED BY THE TERMINAL. NO AUDIO SIGNAL IS SENT BUT THE TERMINAL "KEYS" THE TRANSCEIVER ON AND OFF IN THE SAME WAY A TELEGRAPH KEY FUNCTIONS.

THE CODE REQUIREMENT FOR NOVICE AND TECHNICIAN CLASS AMATEURS IS 5 WPM. (THE REQUIREMENT FOR CODE WILL PROBABLY BE DROPPED THIS YEAR (1990) FOR A NEW LICENSE CLASS, THE COMMUNICATOR CLASS, FOR WHICH THE FCC IS CURRENTLY ASKING FOR COMMENTS, ONE OF THE STEPS PRIOR TO ANNOUNCING A RULE CHANGE. A SIMPLE TEST ON RADIO AND THE FCC RULES WOULD BE REQUIRED FOR THE COMMUNICATOR LICENSE. THIS LICENSE WOULD BE FOR DIGITAL COMMUNICATION ON SOME OF THE AMATEUR BANDS AND WOULD ALSO AUTHORIZE THE USE OF HAND HELD RADIOS AND VOICE COMMUNICATIONS AROUND THE WORLD. IT ALSO ALLOWS USE OF RADIOS TO TRANSMIT DIGITAL INFORMATION AS WE WILL DISCUSS.

THE CODE REQUIREMENT WOULD BE RETAINED FOR THE OTHER CLASSES AS REQUIRED BY INTERNATIONAL AGREEMENTS). THIS MEANS THAT A COMMUNICATOR COULD UPGRADE TO MORE BAND PRIVILEGES BY PASSING THE CODE AND WRITTEN TEST FOR THE NEXT GRADE.

THAT'S ALL FOLKS. HOPE YOU ARE A LITTLE SMARTER NOW THAT YOU HAVE STRUGGLED THROUGH THIS. I KNOW I LEARNED A FEW THINGS IN GATHERING INFORMATION.

TIPS 7.1 (A REAL WINNER!)

BY DEANNA SHERIDAN - NORTHCOAST99ERS - CLEVELAND, OHIO

ONE OF THE UNSUNG HEROES OF THE TI WORLD HAS TO BE RON WOLCOTT WHO DEVELOPED THE TIPS GRAPHIC PROGRAMS FOR THE TI. I CANNOT EVEN START TO IMAGINE THE HOURS THAT RON HAS DEVOTED TO UPGRADING AND CHANGING THIS PROGRAM IN THE LITTLE OVER A YEAR IT HAS BEEN AVAILABLE TO TI USERS. IT BEGAN AS A CURIOSITY TO SEE IF THE PRINTSHOP AND PRINTMASTER GRAPHICS FROM THE IBM WORLD COULD BE PORTED TO AND USED ON THE TI.

RON'S FIRST EFFORT BROUGHT FORTH THOSE GRAPHICS TO THE TI WORLD, BUT THE EXTENDED BASIC PROGRAM HE DEVELOPED TO UTILIZE THEM WAS PAINFULLY SLOW TO USE. THERE WERE FEW

OPTIONS TO MAKE THE PROGRAM DO WHAT YOU WANTED AND PROBABLY THE ONLY USE YOU COULD FORESEE FOR THE PROGRAM WAS THE FEATURE TO CONVERT THE TIPS GRAPHIC FILES TO ARTIST INSTANCE FILES AND USE THEM IN OTHER PROGRAMS.

RON'S EVIDENTLY HEARD THE COMMENTS OF THE USERS OF HIS PROGRAMS AND HAS RESPONDED BY TRYING TO SEE IF HE COULD GET HIS PROGRAM "CLOSER" TO THE REAL PRINTSHOP AND PRINTMASTER PROGRAMS. EACH VERSION HAS BROUGHT ADDITIONAL FEATURES AND SPEED. I THOUGHT HE HAD PROBABLY REACHED THE ZENITH WITH VERSION 1.6 IN WHICH THE PRINTING PROCESS WAS CONVERTED TO ASSEMBLY AND BROUGHT A MARKED IMPROVEMENT TO THE PROGRAM. I BELIEVE IT WAS IN VERSION 1.5 THAT HE INTRODUCED COLOR PRINTING FOR THOSE WHO HAVE A COLOR PRINTER OR COLOR KIT.

AT THE OCTOBER NORTHCOAST MEETING I WAS GIVEN VERSION 1.7, AND AM I IMPRESSED! THIS IS A PRINTING PROGRAM WHOSE FINISHED PRODUCT WOULD MAKE ANYONE PROUD, AND I RECOMMEND IT TO ANYONE WHO LIKES TO DO CARDS, FLYERS, LABELS, ETC. IT TAKES A LITTLE WHILE FOR YOU TO GET INTO THE COMMANDS AND MAKE IT ALL GO TOGETHER, BUT THE FINISHED PRODUCT IS EXCEPTIONAL.

IF I MIGHT REGRESS A LITTLE, WHEN RON FIRST DECIPHERED THE FORMAT OF THE PRINTSHOP GRAPHICS ON THE IBM, HE DISCOVERED THAT WHEN PORTED TO THE TI, THEY WERE TWO PIXELS WIDE TO ONE PIXEL HIGH. IN ORDER TO MAKE EACH GRAPHIC SQUARE (THIS IS THE WAY THEY ARE PRINTED BY THE PRINTSHOP PROGRAM), HE HAD TO ADD A PIXEL TO THE HEIGHT. THUS, WHEN YOU PRINTED A CARD, OR SIGN WITH TIPS, YOU HAD A VERY "BLOCKY" COMPUTER-TYPE GRAPHIC. YOU MAY OR MAY NOT HAVE WANTED TO USE THIS AS A HIGH-TECH GREETING CARD. THE ONLY TIME YOU GOT THE NICE HIGH-RES GRAPHIC IMAGE WAS WHEN YOU USED THE LABEL PRINTING OPTION.

WELL, WILL YOU BE SURPRISED WHEN YOU USE VERSION 7.1. I WOULD HAVE ABSOLUTELY NO HESITATION IN USING THIS FOR MY CHRISTMAS CARDS, BIRTHDAY CARDS, ETC. IT IS EVEN NICER IF YOU HAVE A COLOR PRINTER OR COLOR OPTION ON YOUR PRINTER. YOU NOW HAVE THE OPTION OF PRINTING YOUR GRAPHIC IN A ROW OF 3X4 IN HI-RES MODE INSTEAD OF ONE LARGE BLOCKY GRAPHIC ON THE INSIDE OR OUTSIDE OF YOUR CARD.

AS AN EXAMPLE, YOU WOULD HAVE ROOM FOR A MESSAGE LINE AT THE BOTTOM OF YOUR CARD AND ONE AT THE TOP, WITH THE 3X4 GRAPHIC IMAGES IN BETWEEN. YOU CAN HAVE THESE FOUR LINES OF GRAPHICS THE SAME IMAGE, OR FOUR LINES OF DIFFERENT IMAGES. IF YOU HAVE A COLOR PRINTER, EACH OF THESE IMAGE LINES CAN BE IN A DIFFERENT COLOR! YOU CAN ALSO CHOOSE THE NUMBER OF OVERSTRIKES FROM ONE TO FOUR SO THAT THE PRINTING STANDS OUT.

QUOTING FROM THE DOCS FOR V7.1, IT FEATURES THE FOLLOWING CHANGES:

THIS VERSION OF TIPS HAS THE FOLLOWING CHANGES

- 1) 3 BY 4 ROWS OF LABEL SIZE IMAGES CAN BE PRINTED ON GREETING TYPE CARDS FRONT - INSIDE WITH OPTIONS TO PRINT A DIFFERENT IMAGE ON EACH OF 4 ROWS.
- 2) SEMI-HOT KEYS AT ALL SELECT FUNCTION POINTS TO SELECT AN IMAGE FILE SPECIFY AN IMAGE, VIEW AN IMAGE, SPECIFY PRIMARY COLOR, OR INVOKE THE OPTION SUB-MENU
- 3) THE OPTION SUB-MENU HAS BEEN EXPANDED TO INCLUDE

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DIVIDING FIVE DATABASES INTO TEN IN TI-BASE
By LYNN GARDNER, PITTSBURG, PA - OCTOBER, 1998

RECENTLY, MY FIVE MAILING LIST DATABASES, NAMED AC, DH, IM, NR, AND SZ (DENOTING SECTIONS OF THE ALPHABET), STARTED GETTING SLUGGISH WHEN EDITING AND APPENDING RECORDS. THEY EACH CONTAINED ABOUT 200 RECORDS, ABOUT TWICE AS MANY AS THE MAXIMUM FOR BEST PERFORMANCE. I HAD NEVER SEEN ANYTHING ABOUT WORKING WITH THEM DATABASES, BUT DECIDED TO GIVE IT A TRY, AND IT WORKS FINE.

I DECIDED I WANTED TO END UP WITH DATABASES COVERING AB, CD, EG, HI, JL, M, N, OR, S, AND TZ. I COPIED THE STRUCTURE FILE THEN TIMES, NAMING EACH FILE FOR THE DESIRED SECTION OF THE ALPHABET. I USED BY COMMAND FILES MOVED1 AND MOVED2 (FROM MY PREVIOUS ARTICLE), MOVING SEVERAL LETTERS AT A TIME. FIRST, THE A'S AND B'S WERE MOVED FROM AC TO AB. THAT WAS EACH. THEN THE C'S WERE MOVED FROM AC TO CD. THEN THE D'S WERE MOVED FROM DH TO CD. I CONTINUED SIMILARLY THROUGH THE ALPHABET, CHANGING THE DATABASE NAMES AND LETTERS IN THE COMMAND FILES, A LITTLE TEDIOUS, BUT IT WORKED.

NOW, TO PRINT ONE ALPHABETICAL LISTING FROM ALL TEN DATABASES, I USED THE FOLLOWING COMMAND FILES:

```
*NLIST1
*MAKES ONE LIST OF 10 DATABASES CLEAR
CLOSE ALL
SELECT 5
USE JL
TOP
SELECT 4
USE HI
TOP
SELECT 3
USE EG
TOP
SELECT 2
USE CD
TOP
SELECT 1
USE AB
TOP
DO NLIST2
DO NLIST3
DO NLIST2
SET HEADING ON
CLOSE ALL
RETURN
```

```
*NLIST2
PRINT ALL LN FN AD CITY ST ZIP
SET HEADING OFF
SELECT 2
PRINT ALL LN FN AD CITY ST ZIP
SELECT 3
PRINT ALL LN FN AD CITY ST ZIP
SELECT 4
PRINT ALL LN FN AD CITY ST ZIP
SELECT 5
PRINT ALL LN FN AD CITY ST ZIP
CLEAR
RETURN
```

```
*NLIST3
CLOSE ALL
SELECT 5
USE TZ
TOP
SELECT 4
USE S
TOP
SELECT 3
USE OR
TOP
SELECT 2
USE N
TOP
SELECT 1
USE M
TOP
RETURN
```

THE FOLLOWING COMMAND FILES WILL PRINT LABELS FOR ALL RECORDS IN ALL 10 DATABASES:

```
*NLABEL1
*PRINT LABELS FOR 10 DATABASES
SET RECNUM OFF
SET HEADING OFF
SET PAGE=0
CLEAR
CLOSE ALL
SELECT 5
USE JL
TOP
SELECT 4
USE HI
TOP
SELECT 3
USE EG
TOP
SELECT 2
USE CD
TOP
SELECT 1
USE AB
TOP LOCAL TEMP C 40
LOCAL BLNK C1
DO NLABEL2
DO NLABEL4
SET RECNUM ON
SET PAGE=56
SET HEADING ON
CLOSE ALL
RETURN
```

```
*NLABEL2
SELECT 1
DO NLABEL3
SELECT 2
DO NLABEL3
SELECT 3
DO NLABEL3
SELECT 4
```

DO NLABEL3
SELECT 5
DO NLABEL3
RETURN

*NLABEL3
WHILE .NOT . (EOF)
REPLACE TEMP WITH TRIM (FN);
: * * ; LN
PRINT TEMP
PRINT AD
REPLACE TEMP WITH TRIM(CITY);
: * * ; ST : * * ; ZIP
PRINT TEMP
PRINT BLNK
PRINT BLNK
PRINT BLNK
ENDIF
MOVE
ENDWHILE
RETURN

*NLABEL4
CLOSE ALL
SELECT 5
USE TZ
TOP
SELECT 4
USE S
TOP
SELECT 3
USE OR
TOP
SELECT 2
USE M
TOP
SELECT 1
USE M
TOP
DO NLABEL2
RETURN

EXCERPTS FROM: TI WORLD NEWS
BY JIM PETERSON - SPIRIT OF 99 - OCTOBER, 1990

ASGARD NEWS HAS BEEN RENAMED REFLECTIONS, AND VOL2. 2
NO. 3 HAS BEEN PUBLISHED. THIS HIGH-QUALITY 24-PAGE
MAGAZINE IS PUBLISHED QUARTERLY, AT \$12 PER YEAR. IT IS
FILLED WITH REVIEWS AND INFORMATION ON TI PRODUCTS, ARTICLES
BY WELL-KNOWN TI AUTHORS, ET., WITH VERY LITTLE ADVERTISING.
THE ADDRESS IS REFLECTIONS, BOX 10697, ROCKVILLE, MD 20849.

TEXAMENTS HAS RELEASED VERSION 3.0 OF TI-BASE, WITH
MANY NEW FEATURES. PREVIOUS OWNERS CAN GET IT FOR \$14.95,
PLUS \$2.50 SHIPPING BY RETURNING BOTH THE SYSTEM AND TUTOR
DISKS TO TEXAMENTS, 53 CENTER ST., PATCHOGUE, NY 11722;
THOSE WHO PURCHASED THE PREVIOUS VERSION AFTER APRIL 1,
1990, CAN GET THE UPGRADE FOR \$2.50, THE ORIGINAL DISKS AND
A DATED SALES RECEIPT.

CHRIS PRATT WILL SOON MAKE AVAILABLE A NEW DISK

CONTROLLER WHICH WILL SUPPORT UP TO FOUR FLOPPY DRIVES IN
ALL CURRENT DENSITIES ON BOTH 5 1/4" AND 5 1/2" DRIVES IN
TI, CORCOMP AND MYARC FORMATS, AND UP TO FOUR HARD DRIVES IN
VARIOUS DENSITIES. IT IS REPORTED THAT THE PRICE WILL BE
\$225 OR \$250.

TRITON HAS ANNOUNCED THAT THEY WILL HEREAFTER ISSUE
ONLY ONE CATALOG ANNUALLY, IN THE FALL.

ASGARD PERIPHERALS IS ACCEPTING ORDERS FOR THE
MECHANTRONICS 80-COLUMN CARD AT \$200 PLUS \$10 SHIPPING AND
HANDLING, AND EXPECTS TO BE SHIPPING WITHIN TWO MONTHS. THE
NEW VERSION OF THIS CARD CAN BE USED WITH AN 80-COLUMN
COMPOSITE MONITOR, AND FEATURES MUCH MORE RELIABLE INTERNAL
SOFTWARE BY BARRY BOONE, AND A MUCH BETTER MANUAL.

MICKY SCHMITT HAS ASSEMBLED HER MANY NEWSLETTER
ARTICLES FOR CASSETTE USERS INTO A NEAT 52-PAGE BOOKLET
WHICH IS AVAILABLE FROM HER FOR \$9.95 PLUS \$2.00 SHIPPING.
HE ADDRESS IS 196 BROADWAY AVE., LOWER BURRELL, PA 15068.

COMPRODINE HAS ANNOUNCED THAT THEY ARE NOW THE
EXCLUSIVE DISTRIBUTORS OF ALL GREAT LAKES SOFTWARE PRODUCTS,
WHICH INCLUDE CERTIFICATE MAKER 99 AND JOYPAINT 99. THE
ADDRESS OF COMPRODINE IS 1949 EVERGREEN AVE., FULLERTON, CA
92635, (714)990-4577.

ASGARD SOFTWARE HAS FORMED A SUBSIDIARY CALLED ASGARD
PERIPHERALS TO PRODUCE NEW TI AND GENEVE HARDWARE PRODUCTS.
THE ADDRESS IS P.O. BOX 106.97, ROCKVILLE, MD 20849,
(703)255-3085. PAGE PRO 99 IS NOW IN VERSION 1.6. OWNERS
OF THE PREVIOUS VERSIONS CAN UPGRADE BY SENDING THEIR
PROGRAM DISK AND \$4.00 TO ASGARD SOFTWARE.

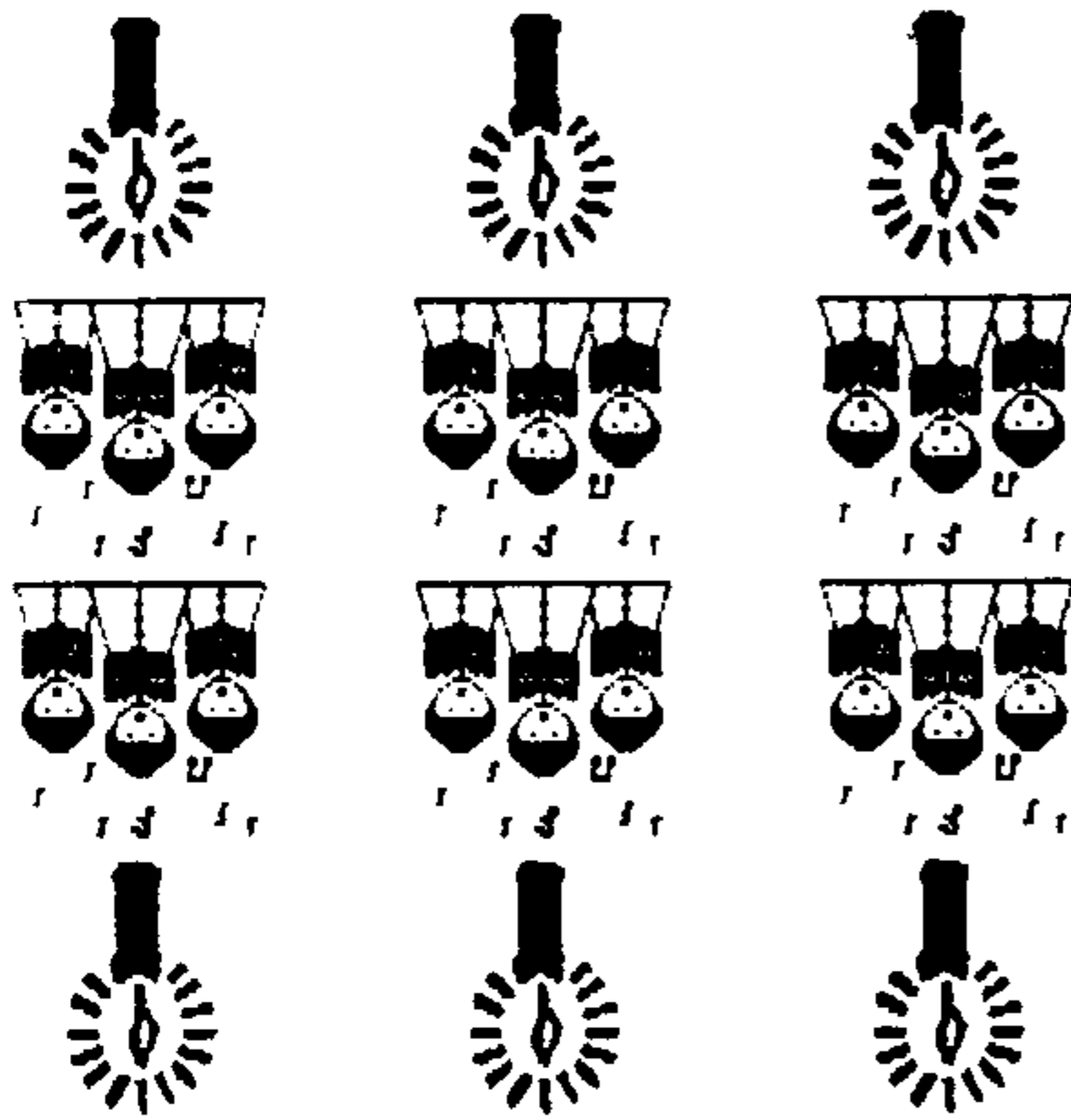
TIGERCUB SOFTWARE HAS RELEASED ALL COPYRIGHTED
PROGRAMS, EXCEPT THE NUTS & BOLTS DISKS TO THE PUBLIC
DOMAIN, WITH THE PROVISION THAT NO ONE CAN CHARGE FOR
COPYING THEM WITHOUT THE PERMISSION OF TIGERCUB. ALL OF
THESE 100+ PROGRAMS HAVE BEEN PLACED ON VARIOUS DISKS,
ACCORDING TO CATEGORY, IN THE TI-PD LIBRARY OF PUBLIC DOMAIN
AND FAIRWARE WHICH IS OFFERED BY TIGERCUB. THE PRICE OF THE
THREE NUTS & BOLTS DISKS OR MERGEABLE SUBPROGRAMS HAS BEEN
REDUCED TO \$5.00 EACH, POSTPAID, BUT DOCUMENTATION WILL BE
FURNISHED ON DISK WHEN SUPPLIES OF HARD ARE EXHAUSTED.

TIGERCUB HAS PUBLISHED TI-PD CATALOG #3, LISTING 419
DISKS OF PUBLIC DOMAIN AND FAIRWARE AT \$1.50 PER DISK,
POSTPAID ON ORDERS OF 8 OR MORE DISKS. THE CATALOG IS
AVAILABLE FOR \$1.00, DEDUCTIBLE FROM FIRST ORDER, FROM
TIGERCUB SOFTWARE, 156 COLLINGWOOD AVE., COLUMBUS, OH 43213.
THOSE WHO ORDERED FROM THE PREVIOUS CATALOG IN THE LAST 9
MONTHS HAVE BEEN MAILED AN UPDATE SUPPLEMENT #9; OTHERS CAN
RECEIVED IT ON REQUEST.

RAVE 99 Co. EXPECTS TO BEGIN SHIPPING THEIR NEW PE/2
PROFESSIONAL EXPANSION SYSTEM BEFORE THE END OF AUGUST. THE
DELAY IS BECAUSE THEY ARE ADDING TWO NEW FEATURES - A SYSTEM
EXPANSION BUS TO ALLOW FOR ADDITIONAL FUTURE 16-BIT PE
CARDS, AND A DUAL PROCESSOR BACKPLANE TO ALLOW BOTH THE TI
AND GENEVE TO SHARE THE BACKPLANE.

KEN GILLILAND IS SETTING UP A NEW SOFTWARE COMPANY
CALLED NOTUNG SOFTWARE AND HOPES TO HAVE ABOUT A DOZEN
TITLES READY TO RELEASE AT THE CHICAGO FAIRE IN NOVEMBER.
THESE INCLUDE SEVERAL TI-ARTIST FONT AND BORDER DISKS, DISK
OF THE OLD WEST, DISK OF THE ANCIENT ONES, THE RING
COMPANION, THE TREKKIE'S COMPANION TI-CASINO, AND A TPA
LESSON-TUTORIAL BOOK AND DISKS.

GREETINGS



HOLIDAY

BLESSINGS
TO YOU
AND YOURS
IN 1991

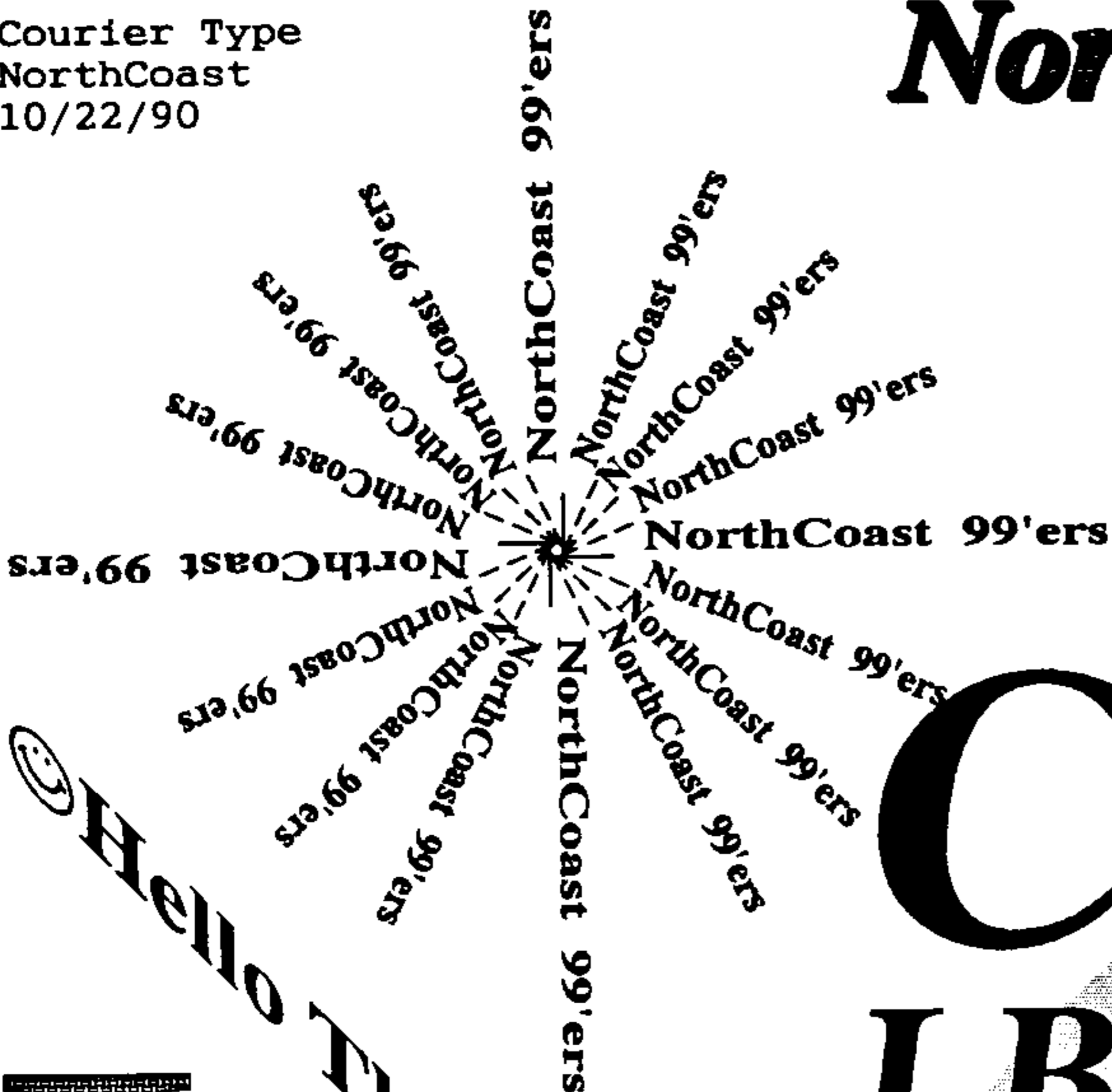
THE SHERIDANS

NorthCoast 99'ers Users Group

Disk Librarian

Martin A. Smoley

6149 Bryson Drive
Mentor, Ohio 44060
216-257-1661



Canon

LBP-8mkIII

☺ VDM Text Mode!!

☺ Hello There!!

It's your old pal Marty.

Deanna asked if I would throw a page of Laser Beam Printer junk together for the Newsletter. Here it is.

I can print smaller and ~~more~~, or I can print **larger and Larger.**

ABC I can hold the character's height and stretch it's length, as you can see to the left.

Or, I can hold it's length and stretch it's height, as you can see to the right.

ABC Bold, Light or Medium Strokeweight is as easy as *Italic*, Upright or even Reverse.

ABC **Swiss-Bold Italic will change to Dutch-Bold Outlined and Shadowed,** and, I can print anywhere on the page, on any angle (Up or Down).

ABC I can even print a word or sentence rotated around a given point as you see in the upper right corner of this page.

ABC I'm doing all this with FunnelWeb, my
ABC Cannon LBP-8 mark III printer
ABC and my **TI-99/4A.**

Have fun. I am!
Marty.

ABC
ABC
ABC

ABC ABC ABC ABC ABC ABC

SPECIFYING ALTERNATE PRIMARY COLORS FOR EASIER USE OF MULTIPLE COLORS ON SUCCESSIVE PRINT FUNCTIONS, A DARK OPTION TO PRINT MULTIPLE PASSES, A CONFIG OPTION TO HAVE FONTS, VERSE, AND INSTANCES ON OTHER THAN DRIVE 1

- 4) THE VERSE PROCESSING CAN HAVE A CALENDAR GENERATED AND MERGED WITH THE CURRENT CONTENTS ON THE VERSE, ALSO BY ENTERING <CTRL Z> AS THE FIRST CHARACTER WILL CAUSE THE LINE TO BE PRINTED IN THE ENLARGED CHARACTER SET OF THE PRINTER AND THESE LINES HAVE A MAXIMUM OF 17 CHARACTERS.

SEMI-HOT KEYS ARE <CTRL #> FOLLOWED BY THE <ENTER> KEY WHERE # IS THE FOLLOWING:

S TO SPECIFY A NEW IMAGE FILE AND IMAGE

I TO SPECIFY A NEW IMAGE

V TO VIEW THE CURRENT IMAGE

O TO INVOKE THE OPTION MENU WHICH WILL ALLOW THE FOLLOWING:

FONT LOADING

COLOR SPECIFICATIONS

CONFIGURATION (DRIVES) FOR FONT, VERSE, AND INSTANCE FILES

DARKNESS (MULTIPLE PASSES) OF PRINTING

CENTERING ADJUSTMENT OF BANNERS USING FT##/FN## IMAGES

@ TO CHANGE THE PRIMARY COLOR TO @ CODE
1-2-3-4-5-6 SAME AS @ BUT TO THEIR VALUE

CONFIG WILL ALLOW SPECIFYING DRIVE NUMBER FOR FONT, VERSE, OR INSTANCE FILES. THIS SMALL FEATURE SAVES YOU FROM ALWAYS HAVING TO HAVE ALL OF YOUR FILES IN DRIVE 1.

THIS PROGRAM HAS TO BE A LABOR OF LOVE BY RON WOLCOTT TO THE TI WORLD. NOWHERE IN THE DOCS WILL YOU FIND HIS ADDRESS. HE HAS ASKED FOR NO REMUNERATION OF ANY KIND. I AM SURE HE NEVER DREAMED HIS FIRST EFFORT WOULD PROGRESS AS IT HAS. WE OWE A MAJOR DEBT TO RON FOR HIS CONTRIBUTION. WE ARE ALSO PROUD OF THE FACT THAT HE IS AN OUT-OF-TOWN MEMBER OF OUR TI-CHIPS GROUP.

REMEMBER, IF YOU DEVELOP A CARD YOU WOULD LIKE TO USE OVER AND OVER WITHOUT REINPUTTING ALL OF THE COMMANDS, JUST CHANGE THE "PIO" PRINTER SPECIFICATION TO A DISK NAME OF YOUR CHOOSING. YOU CAN THEN QUICKLY PRINT THE PROGRAM FROM XBASIC WITH THE LITTLE PROGRAM WE PRINTED IN THE NEWSLETTER A FEW MONTHS AGO. YOU WOULD EITHER HAVE TO PUT IN A FRESH DISK FOR EACH CARD, OR GO IN AND CHANGE THE FILENAME TO KEEP ONE CARD FROM OVERWRITING THE OTHER.

THIS PROGRAM WILL BE IN THE CLUB'S LIBRARIES NEXT MONTH SO THAT YOU CAN USE IT FOR YOUR CHRISTMAS AND NEW YEAR CORRESPONDENCE!

I HAVE BEEN PLAYING WITH THE TIPS V1.7 THIS WEEK, ESPECIALLY WITH THE CARD-MAKING MODE. THE MORE YOU WORK WITH THIS PROGRAM, THE MORE YOU WILL START TO LIKE IT, ESPECIALLY IF YOU HAVE A COLOR KIT FOR YOUR PRINTER.

I TALKED WITH RON WOLCOTT THIS WEEK (HE WILL BE IN CHICAGO AT THE FAIRE), AND HE STATED HE IS STILL WORKING ON SOME IMPROVEMENTS. ONE, HE IS TRYING TO MAKE THE MENU MORE USER-FRIENDLY, AND ALSO WOULD LIKE TO DEVELOP A WAY TO USE HIS GRAPHICS WITH TI-WRITER. HE IS ALSO WORKING ON A WAY TO STORE YOUR CREATIONS FOR MULTIPLE OR SUBSEQUENT PRINTING. IN THE MEANTIME, REMEMBER THAT YOU CAN PRINT THEM TO DISK AND THE PRINT THEM OUT WITH THE XBASIC PROGRAM WE GAVE YOU A FEW MONTHS AGO.

SINCE I WOULD USE TIPS FOR PRINTING GREETING CARDS, OR MAILING LABELS (THE MAILING LABEL FUNCTION CAN ALSO BE USED TO MAKE A NICE LETTERHEAD), I WILL GUIDE YOU THROUGH THE STEPS FOR CREATING A CARD.

AFTER LOADING, THE FIRST LINE IS MORE OR LESS AN INSTRUCTION OF WHAT YOU WILL BE DOING. JUST PRESS <ENTER> HERE.

ON THE NEXT SET OF OPTIONS, CHOOSE FONT. YOU CAN CHOOSE FROM 1 TO 9. WHEN THE FONT LOADS, IT WILL PRINT THE CHARACTERS AVAILABLE, WHETHER ALL UPPER, OR UPPER AND LOWER AND WHAT OTHERS ARE AVAILABLE, SUCH AS NUMBERS AND SYMBOLS.

AT THE NEXT PROMPT, IMAGE AND YOU WILL BE ASKED ON WHICH DRIVE IT IS LOCATED. THIS IS A NICE ADDITION IN THAT YOUR IMAGES NO LONGER HAVE TO BE IN DRIVE 1. THEY CAN BE ON A RANDISK AND UP TO DISK 9. YOU WILL BE ASKED TO CHOOSE A 2-CHAR PREFIX FOR THE IMAGE FILE YOU WANT TO ACCESS.

NEXT CHOOSE PROCESS. YOU WILL BE ASKED FOR THE IMAGE NAME. IT HELPS TO HAVE PREVIOUSLY PRINTED YOUR FILE WITH THE TIPS VIEW FEATURE SO THAT YOU WON'T HAVE TO GUESS WHICH IMAGE YOU WANT. YOU CAN ALWAYS VIEW THE IMAGES ONE AT A TIME ON THE SCREEN UNTIL YOU FIND ONE YOU LIKE, BUT I WOULD STRONGLY SUGGEST THAT YOU WORK FROM A PRE-PRINTED PAGE.

THIS WOULD BE A GOOD TIME TO ACCESS THE NEW FEATURE <CTRL #>. WE WANT THE OPTION MENU, AND WOULD HIT <CTRL O>. IF NECESSARY, YOU COULD SELECT SEPARATE DRIVES FOR YOUR FONTS, VERSE, AND INSTANCES. BUT THE FEATURE, YOU REALLY WANT AT THIS TIME IS DARKNESS. YOU CAN SET THE PRINTER TO OVERSTRIKE FROM 1 TO 4 TIMES. IF YOU ARE USING A COLOR PRINTER, YOU CAN ALSO SET YOUR COLORS AT THIS TIME. TIPS HAS A NIFTY FEATURE CALLED ALTCOLOR. YOU CAN CHOOSE "ONE" COLOR HERE FOR YOUR PRINTING, OR SEVERAL COLORS. IF YOU WANTED TO USE ALL OF THE COLORS AVAILABLE WITH YOUR PRINTER, YOU WOULD CHOOSE @123456. THUS, EACH SUCCESSIVE PRINTING FUNCTION WILL BE PRINTED IN A DIFFERENT COLOR. YOU COULD USE JUST 2 COLORS BY TYPING 121212 AND EACH PRINTING FUNCTION WOULD ALTERNATELY BE PRINTED IN RED AND BLUE. THUS WHEN PRINTING THE 3x4 GRAPHICS, IF YOU PAUSE BETWEEN ROWS, ONE ROW WOULD BE RED AND THE NEXT BLUE, THE NEXT RED, THE NEXT BLUE, ETC. THIS GIVES YOUR IMAGINATION A WORKOUT BECAUSE THERE ARE MANY POSSIBLE COMBINATIONS.

TO DUPLICATE THE CARD DISPLAYED, YOU WOULD THEN CHOOSE MESSAGE AND TYPE "GREETINGS" (WHICH PRINTS OUT IMMEDIATELY.)

SINCE YOU HAVE ALREADY CHOSEN YOUR GRAPHIC, CHOOSE 3x4. IF YOU WANT TO USE MORE THAN ONE GRAPHIC, CHOOSE PAUSE AT THIS TIME. THE FIRST ROW WILL PRINT AND YOU CAN HIT <CTRL @> AGAIN TO CHOOSE ANOTHER IMAGE, OR COLOR IF YOU ARE HAVE A COLOR OPTION ON YOUR PRINTER. THEN, CHOOSE RETURN AND THE

USING TIPS V7.1

DEANNA SHERIDAN - NORTHCOAST 99ERS - CLEVELAND, OHIO

PROCESS WILL REPEAT UNTIL ALL FOUR ROWS HAVE PRINTED.

AFTER PRINTING THE 3x4 ROWS, AGAIN CHOOSE MSG AND TYPE "SEASON'S" WHICH WILL IMMEDIATELY PRINT.

NEXT CHOOSE, INSIDE. YOU HAVE A COUPLE OF CHOICES HERE, YOU CAN PRINT A VERSE YOU HAVE PREVIOUSLY SAVED IN TI WRITER FORMAT ON THE LEFT SIDE WHILE THE IMAGE PRINTS ON THE RIGHT SIDE. THIS CAN BE THE IMAGE PRINTED ON THE FRONT, OR A DIFFERENT ONE, OR THE 3x4 FEATURE. I PREFER TO JUST HAVE A GREETING OF MY OWN CHOOSING.

THUS, I CHOSE "MSG". IN ORDER FOR IT NOT TO START AT THE VERY TOP OF THE PAGE, I JUST HIT THE SPACE BAR AND <ENTER>. I REPEATED THIS A SECOND TIME, AND THE THIRD TIME, I TYPED THE FIRST LINE, ETC. ON DOWN.

IF YOU WANT TO "SIGN" THE CARD, AT THIS POINT, YOU CAN CHOOSE <CTRL O> TO GET A NEW FONT FOR THE SIGNATURE.

YOU HAVE JUST CREATED A VERY NICE GREETING CARD,

ESPECIALLY IF YOU HAVE A COLOR PRINTER!

I AM SURE THERE ARE MANY TIPS AND TRICKS WHICH ONE CAN PICK UP THE MORE THEY USE THIS PROGRAM. WITH A LITTLE PATIENCE AND PRACTICE, THIS CAN BECOME ONE OF YOUR FAVOR GRAPHIC PRINTING PROGRAMS!!!

FOR SALE: TI COMPUTER WITH TWO EXTRA KEYBOARDS, PEB, 32K, ORIGINAL TI DISK DRIVE; SMITH CORONA FASTEX 80 PRINTER, SEVERAL BOOKS AND PROGRAMS.

MAKE OFFER

DANA ZODY
P.O. BOX 236
PERRYSVILLE, OH 44864
419-938-6212

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

Exp Date: 91/07

FIRST CLASS