

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

OFFICERS	NORTHCOAST	TI-CHIPS	MEETING DATES
CO-PRESIDENT	STEVE BAGSTED 1-733-5977	MATT ANDEL 676-9759	NORTHCOAST 1:30 P.M. TI-CHIPS 10 A.M.
CO-PRESIDENT	BOB KAGY	GLENN BERNASEK 238-6335	EUCLIDIAN ROOM N.ROYALTON LIBRA
TREASURER	FRANK JENKINS 283-8526	LIN SHAW 235-3912	EUCLID SQUARE MALL STATE RD & RT 8
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 FEBRUARY 17, 1990 MARCH 17, 1990
SECRETARY	CHUCK POULIN 731-6473	MARY PHILLIPS 582-5009	APRIL 21, 1990
LIBRARY(DISK)	MARTIN SMOLEY 1-257-1661	HARRY HOFFMAN 631-2354	MAY 19, 1990
(TAPE & MODS)	TOM NELLIS 475-4067	JOHN PARKEN 331-2830	JUNE 16, 1990
(HARD COPY)	DICK ALDEN 1-352-9172		JULY 21, 1990

EVERYONE SEEMED PLEASED THIS MONTH TO GET THEIR NEWSLETTERS BEFORE THE MEETING. HOPEFULLY, THIS WILL HELP PEOPLE REMEMBER THE MEETINGS AND OUR ATTENDANCE WILL IMPROVE ACCORDINGLY.

DON'T FORGET THE SWAP MEET AT NORTHCOAST ON THE 17TH. TELL ALL THOSE X-TIER'S YOU KNOW THAT THIS IS A GOOD WAY TO GET RID OF SOME OF THEIR OLD EQUIPMENT. POSTCARD ARE BEING SENT TO PAST MEMBERS SO HOPEFULLY THERE WILL BE A GOOD TURN-OUT.

SEE MY ARTICLE ON TIPS, THE GRAPHIC PROGRAM I MENTIONED A COUPLE OF MONTHS AGO. RON WOLCOTT, THE AUTHOR OF THIS PROGRAM, IS AN OUT-OF-STATE MEMBER OF OUR CHIPS GROUP AND WE HAVE RECEIVED A BONANZA OF GRAPHICS DIRECTLY FROM RON OF ALL HIS TIPS FILES AND THE LATEST VERSION OF HIS TIPS PROGRAM. MANY THANKS TO RON FOR THIS MAJOR CONTRI BUTION TO OUR LITTLE TI WORLD.

I HOPE TO HAVE ALL THESE FILES AND OTHERS I HAVE BEEN DOWNLOADING FROM THE NETWORKS READY FOR ADDITION TO THE LIBRARIES BY THE FEBRUARY MEETING. AS MENTIONED PREVIOUSLY, I HAVE BEEN DOWNLOADING FROM COMPU SERVE AND GENIE AND MAKING THE PROGRAMS AVAILABLE IMMEDIATELY TO THE NORTHCOAST PEOPLE FOR \$1.00 PER DISK AND THEN TRYING TO GET THEM IN THE LIBRARY THE FOLLOWING MONTH OR SO. PLEASE KEEP IN MIND IF YOU GET THESE DISKS, YOU ARE TAKING POT LUCK AND HAVE TO FIGURE OUT HOW TO RUN THEM YOURSELF AS NO CATALOG PAGES ARE PROVIDED TO HELP YOU OUT. WE HAVE ALSO RECEIVED V4.1 OF FUNNELWEB FROM THE LIMA GROUP. THIS IS A MAJOR IMPROVEMENT IN SEVERAL AREAS OVER OTHER VERSIONS, AND I WOULD SUGGEST THAT WE AGAIN START A FUND TO SEND SOME \$\$\$'S TO THE MCGOVERNS. THE EDITOR HAS BEEN SPEEDED UP SO THAT YOU DO NOT LOSE LETTERS IN WORD WRAP. ALSO, IF YOU WANT TO DELETE OR MOVE LINES, IT HAPPENS SO FAST, YOU WONDER IF IT IS THE SAME PROGRAM. I HARDLY HAD TIME TO BLINK WHEN A

LARGE PORTION OF LINES DISAPPEARED BEFORE MY EYES. I THINK WE AGAIN NEED TO LET THE MCGOVERNS KNOW WE APPRECIATE THEIR CONTINUED EFFORTS TO HELP KEEP US GOING. I RECEIVED A NICE LETTER FROM JIM PETERSON AND DISKS OF PROGRAMS; ALSO THE LATEST VERSION OF "BRIDGE" FROM JOHN BULL, AND JACK SUGHRUE IS BACK TO WRITING HIS COLUMN AFTER HIS LONG RECUPERATION FROM A SERIOUS AUTOMOBILE ACCIDENT LAST SPRING. I HAVEN'T HAD TIME TO WRITE AND THANK ALL OF THESE PEOPLE FOR THEIR CONTRIBUTIONS AND HOPE THEY WILL SEE THIS UNTIL I CAN GET TO THEM. IT IS NICE TO KNOW THAT OTHER TIERS ARE THINKING OF US. WE COERCED BOB KAGY AND STEVE BAGSTAD INTO ACTING AS "CO-PRESIDENTS" AT NORTHCOAST, THEREBY AVERTING A SERIOUS THREAT TO THE FUTURE OF OUR GROUP. NEXT MONTH WILL BE ELECTIONS AT TI-CHIPS, AND LET'S HOPE THAT PEOPLE WILL ALSO COME FORWARD TO HELP KEEP THAT GROUP GOING. BEING PRESIDENT OF A SMALL COMPUTER USER GROUP CERTAINLY IS NOT LIKE BEING PRESIDENT OF THE US. IT'S NOT THAT DIFFICULT AND IF YOU ARE SERIOUS ABOUT CONTINUING TO USE YOUR TI, PLEASE PITCH IN AND HELP KEEP IT GOING.

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EXECUTIVE NOTES - NorthCoast 99er's 01/17/90

It seems like every time we use the small part of the meeting room we have a large turnout of members. "I hope this was a good sign for the 1990s." We had a good meeting and got a lot accomplished (including electing two Presidents). "I love the part about electing two Presidents." Frank's Financial Secretary's report put the club in good shape through 1990 and apparently all the other committees are running smoothly. We had several demonstrations at this meeting. Ron Minadeo demonstrated his 80 column card and a multitude of graphics capabilities with the card and a high resolution color monitor. Then Wes Richardson demonstrated his Extended Basic checkbook program and after that a little about Editor/Assembler programming. The room was packed with members and I pretty much had to throw people out at the end of our use time for the room. It seemed like everyone had a good time and also that they were glad to get out of the house after one of the worst Decembers I can remember in this area.

THE NORTCOAST ELECTIONS

We went from no President to two Presidents. You may not recall this but I was the Vice President of our group, not the President. At the January meeting the members nominated and elected Steve Bagstad and Bob Kagy to share the President duties of the NorthCoast 99'ers. We currently do not have a Vice President (no big deal) and all of the other committee heads have remained the same. The club is in good hands and I am looking forward to another good year with the NorthCoast 99'ers. By the way, I had a great experience heading up the NorthCoast 99'ers for a while and I'd like to thank everyone for that opportunity and the help they gave me through that time.

DISK LIBRARY

We have a lot of new material in the library and I intend to have the library at the swap meet in February. There is one problem at this time. I am presently out of those cheap disks and probably will not restock before the swap meet. This means that you should bring your own disks if you intend to request library software at that time. Another small reminder is this, I always check the current membership list when supplying disks. Anyone may attend the swap meet, but only paid up members may receive software from the library.

THE NEXT NORTCOAST MEETING

THE SWAP MEET

We will dispense with the regular meeting in February and devote the entire meeting time to the swap meet. We have attempted to contact past members and even non-members about this event to insure the greatest possible turnout. If you wish to buy, sell, trade or just look, this will be the event for you. Make sure you get to the meeting February 17, at the Euclid Square Mall, in the Euclidian Room, from 12:30 PM to 5:00 PM.

Hope to see all of you at the next meeting. **Marty**

THE GOOD, THE BAD AND MY TI-99/4A
BY GLENN BERMASEK
TI-CHIPS CLEVELAND, OHIO

THERE WAS A LITTLE GIRL
WHO HAD A LITTLE CURL
RIGHT IN THE MIDDLE OF HER FOREHEAD.
WHEN SHE WAS GOOD,
SHE WAS VERY, VERY GOOD.
WHEN SHE WAS BAD,
SHE WAS HORRID.

- NURSERY RHYME -

TO PARAPHRASE THE LAST FOUR LINES OF THIS WELL KNOWN NURSERY RHYME:

WHEN MY TI IS RUNNING,
IT IS VERY, VERY GOOD.
WHEN MY TI IS DOWN,
IT IS PURE FRUSTRATION!

I THOUGHT I MIGHT SHARE SOME OF THE OBSERVATIONS I'VE MADE CONCERNING THE OVER-ALL OPERATING PROBLEMS I'VE EXPERIENCED WITH MY TI, AND THE POSSIBLE CONTRIBUTING FACTORS.

I KNOW WE'VE ALL HEARD ABOUT THE HANG-UPS CAUSED BY THE EXTENDED BASIC CARTRIDGE AND THE CARTRIDGE EXTENDER BY NAVARONE. WELL FRIENDS, I'VE FOUND THAT THESE ARE JUST TWO OF MANY CONDITIONS THAT CAN SEND YOUR TI-99/4A TO NEVER-NEVER LAND AT THE LEAST OPPORTUNE TIME. HERE'S A "PARTIAL" LIST OF THINGS WHICH CAN SEND THE TI AND ITS PERIPHERALS, NOTABLY THE DISK DRIVE(S), ON THEIR WAY TO THAT DISTANT LAND IN THE SKY. (I DON'T BELIEVE I SAID THAT!)

1. AT LEAST TWO(2) CARD EDGE CONNECTIONS. (SEVEN(7) IF YOU HAVE SIDE CAR MEMORY EXPANSION, A WIDGET, A PEB, RS-232C CARD AND A DISK CONTROLLER CARD.)
2. CONTROL MODULES AND WIDGET THAT HAVEN'T BEEN RE-INSERTED FOR QUITE SOME TIME.
3. A SELECTOR SWITCH ON THE WIDGET.
4. A POWER SUPPLY (TWO, IF YOU HAVE A PEB.)
5. CIRCUIT BOARDS THAT CONTAIN CHIPS WHICH REQUIRE SOME FORM OF HEAT SINK.
6. RESTRICTED AIR CIRCULATION IN AND AROUND POWER SUPPLY UNITS AND CIRCUIT BOARDS.
7. ENVIRONMENTAL HUMIDITY LEVEL BELOW 40% RH.

AS I SAID, THIS WAS ONLY A PARTIAL LIST OF THINGS THAT COULD CONTRIBUTE THE OPERATIONAL PROBLEMS. BE ESPECIALLY AWARE OF THE HUMIDITY LEVEL OF THE ROOM IN WHICH YOUR TI IS OPERATING. THE INDUSTRY MINIMUM IS 40% RH., MOST COMPUTER MAINFRAME ROOMS ARE SET AT 45% RH. THIS IS BECAUSE STATIC BUILDUP IS MORE OF A PROBLEM IN DRY AIR. THIS CAN CAUSE SPURIOUS VOLTAGE FLUCTUATIONS IN THE ACTIVE CIRCUITRY WHICH WILL RESULT IN UNEXPECTED BEHAVIOR.

I LEARNED THIS LESSON THIS LAST DECEMBER. WE HAD INSTALLED A NEW HIGH EFFICIENCY FURNACE WHICH REMOVES WATER FROM THE AIR DURING THE HEATING CYCLE. THE HUMIDITY LEVEL OF OUR HOUSE WENT DOWN TO 34% RH DURING THE EXTENDED COLD PERIOD OF DECEMBER. ALL I DID TO ALLEVIATE THIS PROBLEM WAS TO SET A PAN OF WATER NEARBY.

THERE HAVE BEEN SO MANY INDIVIDUAL SOLUTIONS TO THE BOTHERSOME PROBLEM OF "LOCK-UP". IT TURNS OUT THAT IT WOULD BE WISE TO KEEP IN MIND ALL OF THE FACTORS THAT COULD LEAD TO "LOCK-UP", AND CHECK THROUGH THEM ONE-BY-ONE UNTIL THE SYMPTOMS ARE CORRECTED. I GUESS WHAT I'M SAYING IS THAT THERE IS NO ONE SOLUTION TO THIS PERSISTANT PROBLEM. IF YOU HAVE THE PATIENCE TO DO A THOROUGH CHECK-OUT OF YOUR SYSTEM, THE TI-99/4A WILL DO JUST FINE!

NORTHCOAST NOTES

THIS SHOULD BE MY FIRST COLUMN AS "CO-PRESIDENT" OR WHATEVER THESE THINGS ARE CALLED THESE DAYS. IN CASE YOU WEREN'T THERE, AT THE JANUARY MEETING WE ELECTED YOURS TRULY, STEVE BAGSTAD, AND BOB KAGY TO SPLIT THE PRES/VP JOBS; WE HOPE TO ALTERNATE NOTES/MEETING RESPONSIBILITIES. WE HAD AN INTERESTING DEMO OF THE DIJIT 80-COLUMN CARD (AND AN ACCOMPANYING MAGNAVOX MONITOR TO HANDLE IT); IF YOU MAY BE INTERESTED IN UPGRADING BY THIS ROUTE, ASK CLUB MEMBERS OR CALL RON OF RAMCHARGED COMPUTERS AS HE HAS COMMERCIAL INFO ON THE UNIT. STATED COST WAS \$220-\$250 FOR THE CARD, \$290 MORE FOR THE 80-COLUMN COLOR MONITOR. IT ALSO REQUIRED SOME MODIFICATION TO THE CONSOLE. I HOPE TO PRESENT MY GENEVE SYSTEM AT A MEETING SOON (MARCH?) AS IT IS ANOTHER 80-COLUMN ALTERNATIVE WITH THAT SHOULD MAKE AN INTERESTING COMPARISON. WE ALSO HAD AN INTERESTING DISCUSSION OF THE CLEVELAND FREE-NET BBS, 366-3888(?), WITH MEMBERS ENCOURAGED TO CALL ON MODEM TO TRY IT OUT.

FOR THE UPCOMING MEETING ON FEB. 17, WE WILL HAVE A SWAP MEET! PLEASE BRING EITHER MONEY/EQUIPMENT YOU EITHER WISH TO BUY OR SELL, AND WHETHER YOU WANT TO UPGRADE YOUR GEAR OR HELP SOMEONE ELSE DO IT, IT PROMISES TO BE A NEAT EVENT. THE OTHER SIGNIFICANT ITEM THAT WILL OCCUR IS THAT THE DISK LIBRARY WILL BE PRESENT WITH MARTY, WHO HAS OFFERED TO COPY WHATEVER DISKS PEOPLE MAY WANT FROM IT DURING THE PERIOD. SINCE WE DO HAVE TO BE OUT BY 5 PM, PLEASE LOOK FOR ONLY A REASONABLE NUMBER OF DISKS, DEPENDING ON HOW BUSY THINGS GET. PLEASE HAVE A LIST OF WHAT YOU WANT WITH BOTH DISK NUMBER AND DESCRIPTION, AND IF YOU BRING YOUR OWN FORMATTED FLOPPIES THERE WILL BE NO CHARGE!!

ONE LAST NEWS ITEM- I RECEIVED IN MID-DEC. THE LATEST VERSIONS OF GENEVE SOFTWARE, INCLUDING GPL 1.04, MYWORD 1.22, MDOS 1.14F, ETC.; IF ANYONE WITH THE UNIT DOESN'T HAVE THESE AND NEEDS THEM, LET ME KNOW. HOPE TO SEE YOU FEB. 17!

STEVE BAGSTAD

EXECUTIVE NOTES TI-CHIPS - HARRY PHILLIPS, SECRETARY

MARCH CAME EARLY THIS YEAR! WHAT A CONTRAST FROM DECEMBER'S COLD AND SNOW. ABOUT TWENTY-FIVE PEOPLE WERE ON HAND AT THE NORTH ROYALTON LIBRARY IN JANUARY.

A POLL WAS TAKEN OF MEMBERS PRESENT CONCERNING THE NEWSLETTER. ALMOST EVERYONE HAD RECEIVED THEIRS WELL IN ADVANCE OF THE MEETING. FIRST CLASS POSTAGE WORKS! THANKS TO NINA HOFFMAN FOR TAKING CARE OF THE MAILING LAST MONTH.

JOHN PARKEN USED HIS INGENUITY AND CARPENTRY SKILLS TO FASHION A WOODEN STORAGE/CARRYING CASE FOR THE MODULE LIBRARY. HE HAS ROOM FOR OVER 100 CARTRIDGES. EACH HAS ITS OWN NICE IN THE CASE. NICE WORK, JOHN!

HARRY HOFFMAN WARNED THAT SOME OF THE NEW DISKS HE HAD DISTRIBUTED LAST MONTH MAY NOT WORK. LET HARRY KNOW IF YOU'RE HAVING PROBLEMS.

MATT ANDEL DEMONSTRATED A PROGRAM ON DISK Z754 FROM THE DISK LIBRARY. THE PROGRAM, PLOT, DOES JUST THAT BY CONNECTING COORDINATES ON THE SCREEN TO PLOT CURVES AND LINES. THE POINTS ARE TYPED INTO A DV80 FILE AND THEN READ BY THE PROGRAM. IT DOES NOT PRINT ON PAPER, HOWEVER, A RECOMMENDED IMPROVEMENT FOR THE PROGRAM.

JAN FEDOR DEMONSTRATED A DATA BASE PROGRAM ADAPTED BY GLENN BERNASEK. AN ELECTRONIC CARD FILE, JAN SHOWED HOW SHE SUED THE PROGRAM TO CREATE MAILING LABELS FOR HER CHRISTMAS CARDS THIS YEAR.

ONE OF TI-CHIPS REGULAR MONEY-MAKERS IS THE MONTHLY RAFFLE. WINNER OF TEN "LOADED" DISKS IN JANUARY WAS VIRGIL THOMASON.

ALL MEMBERS WERE ASKED TO CONSIDER TAKING AN OFFICE FOR THE COMING YEAR. ELECTED POSITIONS ARE PRESIDENT, VICE PRESIDENT, SECRETARY, AND TREASURER. NOMINATIONS AND ELECTIONS WILL BE HELD AT THE FEBRUARY MEETING.

I WILL NO LONGER BE ABLE TO ATTEND EVERY TI-CHIPS MEETING. THEREFORE, THE OFFICE OF SECRETARY IS DEFINITELY OPEN. I HAVE ENJOYED KEEPING MINUTES AND WRITING THESE ARTICLES FOR THE NEWSLETTER. AFTER THREE YEARS, IT'S TIME TO PASS THE PLEASURE ON TO SOMEONE ELSE!

FUN AND GAMES WITH YOUR TI STEVE BAGSTAD

HADN'T WRITTEN ONE OF THESE IN QUITE A WHILE, SO HERE GOES. QUITE A BIT HAS HAPPENED IN RECENT MONTHS. YOU MAY HAVE NOTICED IN THE NEWSLETTER THAT WE HAVE JAWBREAKER, SOLITAIRE, NUCLEAR99, TETRIS, GROG, HOCKEY, AND PINGPONG ADDED TO OUR LIBRARY. I'VE SEEN ONLY 3 OF THESE, AND IF YOU'VE SEEN ALL THE RAVING IN SOME AREAS ABOUT TETRIS, GET IT! IT'S QUITE UP TO ANY OF THE \$30 VERSIONS I'VE SEEN FOR OTHER COMPUTERS/MACHINES. I WASN'T THAT IMPRESSED BY NUCLEAR99 OR HOCKEY, ALTHOUGH THEY ARE CERTAINLY GOOD ENOUGH THAT IF YOU LIKE SIMULATIONS OR SPORT GAMES, THEY MAY BE JUST YOUR CUP OF TEA. ANOTHER RECENT FAVORITE IS MY RECENT PURCHASE OF LEGENDS 2 FROM ASGARD, A GRAPHIC ADVENTURE FOLLOWUP TO LEGENDS, WHICH IS STILL AVAILABLE AND NOT REQUIRED FOR LEGENDS 2. THE COLOR IS TERRIFIC, THE GAME QUITE ENTERTAINING- A TOTAL OF 3 DISKS(!) ARE INCLUDED WITH EXCELLENT DOCUMENTATION, AND I THINK SO FAR WE'RE ABOUT 1/4 OF THE WAY THROUGH OUR FIRST ATTEMPT AT DOING WHATEVER IT IS WE'RE SUPPOSED TO BE DOING...?? (THE DOCUMENTATION DOES "HIGHLY RECOMMEND" THAT YOU GET LEGENDS BEFORE LEGENDS 2). FOR NEXT TIME, I HOPE TO HAVE SOME COMMENTS ON RECENT LIBRARY ADDITIONS IN THIS AREA.

TI PRINTSHOP
OUR THANKS TO RON WOLCOTT
DEANNA SHERIDAN - NORTHCOAST 99ERS - CLEVELAND, OHIO

THE CLEVELAND AREA USER GROUPS OWES A BIG THANKS TO RON WOLCOTT FOR SENDING US HIS ENTIRE LIBRARY OF GRAPHICS AND TIPS PROGRAMS.

SOME OF YOU MAY NEVER HAVE HEARD OF EITHER RON WOLCOTT OR TIPS. THIS IS WHY YOU SHOULD READ THE EXCHANGE NEWSLETTERS WE RECEIVE.

LAST SUMMER RON'S NAME STARTED APPEARING IN NEWSLETTERS AS A PERSON WHO HAD CONVERTED OVER 2000 FILES OF IBM GRAPHICS TO TI FORMAT AND HAD WRITTEN AN EXTENDED BASIC PROGRAM TO USE THEM. MARK MCCAULEY HAD DOWNLOADED SOME OF THESE FILES FROM GENIE SOMETIME AGO, BUT FOR WHATEVER REASON, A LOT OF THEM WOULD NOT WORK. I HAD READ THAT A NEWER, FASTER VERSION OF TIPS WAS IN THE WORKS, AND RATHER THAN HAVE THEM DOWNLOADED AGAIN, WE DECIDED TO WAIT AWHILE.

TIPS STANDS FOR "TI-PRINTSHOP". RON TELLS THE STORY IN THE LATEST ISSUE OF GENIAL TRAVELER, HOW A SIMPLE MATTER OF CURIOSITY BROUGHT HIM INTO THIS PROJECT. HE EVIDENTLY HAS AN IBM COMPATIBLE AND RECEIVED SOME PRINTSHOP GRAPHICS IN AN ISSUE OF BIG BLUE (AN IBM MAGAZINE ON DISK). WITHOUT GETTING INTO THE TECHNICAL ASPECTS, HE WROTE A BASIC PROGRAM ON THE IBM MACHINE AND WAS ABLE TO GET A DUMMY IMAGE OFF THE SCREEN TO SET UP THE CONTROL FIELD USED TO DISPLAY THE IMAGE AND MOVE THE FILE INTO AN ARRAY TO PUT THE IMAGE ON THE SCREEN. THE NEXT PROJECT WAS TO GET THE GRAPHICS BACK OFF THE SCREEN 8 DOTS WIDE BY THE LENGTH OF EACH IMAGE AND MAKE CHARACTER DEFINITIONS LIKE THOSE ON THE TI. THESE FILES WERE CONVERTED TO TI FILES USING PC TRANSFER.

HE THEN WROTE AN XB PROGRAM TO DISPLAY THE IMAGES ON THE SCREEN AND FOUND HE HAD TO GENERATE EACH ROW TWICE TO HAVE THE IMAGE LOOK RIGHT. (IF YOU WILL LOOK AT ANY OF THE PS AND PM FILES THAT I HAVE CONVERTED TO MACPAINT FORMAT, YOU WILL SEE THAT THEY ALL LOOK SLIGHTLY SQUISHED, SO I UNDERSTAND WHAT RON IS TALKING ABOUT. ALSO, IF YOU ARE IN THE PRINTMASTER GRAPHIC EDITOR, YOU WILL SEE THAT ONE PIXEL HIGH IS REALLY "TWO" FLASHING PIXELS. I ALSO DO NOT BELIEVE THIS IS A QUIRK OF IBM GRAPHICS, BUT RATHER THE PRINTMASTER OR PRINTSHOP PROGRAMS. IF YOU CONVERT PM OR PS TO FONTASY, PFS FIRST PUBLISHER, RLE, ETC., YOU HAVE THE SAME PROBLEM RIGHT ON THE IBM MACHINE. CONVERSELY, FOR SOME ODD REASON, IF YOU CONVERT A TI GRAPHIC TO PS OR PM (IT CAN BE DONE), THEY ARE TOO TALL AND SKINNY BECAUSE YOU SUDDENLY HAVE THE TWO PIXELS HIGH TO ONE PIXEL WIDE!

HE THEN STARTED WRITING THE TIPS PROGRAM TO UTILIZE ALL OF HIS NEW-FOUND GRAPHICS. I THINK THAT CHARLIE GOOD OF THE LIMA UG DID AN EXCELLENT REVIEW OF TIPS IN HIS DECEMBER, 89 NEWSLETTER AND AM GOING TO EXCEPT HIS ARTICLE RATHER THAN "REINVENTING THE WHEEL" TO DO MY OWN.

TIPS V1.2
ACCESS TO THOUSAND OF PUBLIC DOMAIN GRAPHICS
BY CHARLES GOOD, LIMA, OHIO UG
(EDITED FOR CLEVELAND AREA UG NEWSLETTER)

THERE ARE LOTS OF PROGRAMS OUT THERE IN TI LAND DESIGNED TO MANIPULATE GRAPHICS (TI-ARTIST, PAGEPRO, CSGD, GRAPHIC LABELER, ETC) AND THEY ARE ALMOST ALL COMMERCIAL OR FAIRWARE. THEY COST MONEY. NOT TIPS. TIPS IS NOT FREEWAY, IT IS FREE, AUTHOR RON WOLCOTT'S PUBLIC DOMAIN GIFT TO THE TI COMMUNITY. RON HAS CONVERTED OVER 2000 (EVEN MORE NOW) PUBLIC DOMAIN CLIPART GRAPHICS FROM IBM LAND INTO A FORM

USABLE BY THE TI, AND HE HAS WRITTEN A PD PROGRAM TO MANIPULATE THESE GRAPHICS. THAT PROGRAM IS TIPS. (CHARLIE REVIEWED V1.2, BUT 1.3 IS OUT AND RON SAYS THAT HE IS WORKING ON 1.4).

TIPS IS WRITTEN IN EXTENDED BASIC WITH SOME ASSEMBLY LANGUAGE ROUTINES. THERE ARE NO FANCY SCREEN GRAPHICS, AND TIPS IS SLOW. (BECAUSE TIPS IS SO SLOW AND HAS NO WAY TO "SAVE" CARDS, SIGNS, LABELS, ETC., YOU MAY GET DISCOURAGED USING IT, IF YOU ARE USED TO JIFFY CARD, FLYER, PAGEPRO, ETC.) IN FACT, TIPS HAS THE "LOOK AND FEEL" OF AN ALL-TEXT TI-BASIC PROGRAM WITH TEXT SCROLLING UP SLOWLY FROM THE BOTTOM ON THE SCREEN. IT'S CAPABILITIES ARE, HOWEVER, SIGNIFICANT. YOU CAN'T DRAW WITH TIPS, BUT YOU CAN USE TIPS TO PRINT THE NEWLY AVAILABLE IBM LAND GRAPHICS IN A VARIETY OF WAYS.

FOR STARTS TIPS ALLOWS YOU TO CREATE FULL-PAGE POSTERS THAT INCORPORATE TIPS PICTURES AND TEXT IN ANY OF THREE CHARACTER SIZES. TO CREATE A POSTER, YOU INPUT UP TO 15 CHARACTERS FOR A HEADER AND TIPS PRINTS THE TEXT AUTOMATICALLY CENTERED. THE NEXT SIZE TEXT, 1/4 INCH TALL, IS CALLED MSG (MESSAGE) BY TIPS. EACH MSG LINE CAN HAVE UP TO 30 CHARACTERS AND IS AUTOMATICALLY CENTERED. THE SMALLEST TEXT IN THE POSTER IS CALL LINE BY TIPS AND REPRESENTS THE ENLARGED CHARACTER SET OF THE PRINTER. YOU GET ABOUT 40 CHARACTERS PER LINE, AND THIS LINE TEXT IS NOT AUTOMATICALLY CENTERED.

TIPS PRINTS EACH LINE OF TEXT OR EACH GRAPHIC ONE AT A TIME FROM TOP TO BOTTOM AND THEN STOPS AND ASKS YOU WHAT TO PRINT NEXT. THIS ALLOWS YOU, IF YOU WANT, TO INSERT COLORED RIBBONS IN YOUR PRINTER AND PRINT A MULTI-COLORED POTER, A DIFFERENT COLOR FOR EACH LINE OF TEXT AND EACH GRAPHIC. YOU DON'T NEED A RAINBOW PRINTER TO DO THIS.

THE VERY SAME SOFTWARE THAT PRINTS POSTERS ALSO MAKES GREETING CARDS. THE LARGE MSG SIZE 1/4 INCH TEXT IS AUTOMATICALLY CENTERED. YOU CAN INCLUDE ON THE INSIDE OF THE CARD A 14-LINE, 35 CHAR/LINE VERSE. THIS VERSE CAN BE ENTERED FROM WITHIN TIPS AND OPTIONALLY SAVED TO A DV/80 FILE FOR LATER USE, OR CAN BE IMPORTED FROM AN ALREADY CREATED DV/80 FILE. TIPS PRINTS UPSIDE DOWN AS NECESSARY SO YOU CAN FOLD THE SINGLE SHEET OF PAPER INTO A NICE GREETING CARD WITH ONE GRAPHIC ON THE OUTSIDE AND A SEPARATE GRAPHIC ON THE INSIDE.

YES, THERE IS MORE, THE SAME SOFTWARE ALSO PRINTS MIRROR IMAGE TEXT AND GRAPHICS THAT YOU CAN USE FOR IRON ON TRANSFERS FOR T-SHIRTS OR SWEAT SHIRTS. TEXCOMP (818-366-6631) SELLS SPECIAL PRINTER RIBBONS YOU PRINT INTO ORDINARY FAN FOLD COMPUTER PAPER AND THEN TRANSFER THE IMAGE FROM PAPER TO FABRIC WITH A HOT IRON. PRICES RANGE FROM \$20-\$25 PER RIBBON DEPENDING ON TYPE OF PRINTER.

AND MORE AND MORE, ALL FROM THE SAME PROGRAM. YOU CAN INCORPORATE TIPS GRAPHICS INTO REALLY NEAT MAILING LABELS. (THIS IS WHAT I (DEANNA) LIKED BEST IN TIPS). THE ENTIRE LIBRARY OF PICTURES CAN BE CONVERTED WITHIN TIPS TO INSTANCE (_I) FILES OF TWO DIFFERENT SIZES FOR USE BY OTHER TI GRAPHICS SOFTWARE. YOU CAN PRINT TEXT AS A BANNER. PICTURES CAN BE PRINTED WITH NORMAL ORIENTATION OR SIDWAYS FOR INCORPORATION INTO A BANNER. TIPS GRAPHICS COME PACKAGED IN LARGE FILES, MOST CONTAINING OVER 100 SEPARATE GRAPHICS. YOU CAN FROM WITHIN TIPS PRINT THE NAMES OF ALL THE PICTURES IN A GRAPHIC FILE TO A PRINTER AND CAN PREVIEW EACH INDIVIDUAL GRAPHIC ON THE MONITOR SCREEN.

UTILITY PROGRAMS THAT IMPROVE THE USEFULNESS OF TIPS ARE APPEARING, SOME BY RON WOLCOTT AND SOME BY OTHERS. TIPSSHOW, BY RON, ALLOWS YOUR PRINTER TO PRINT SMALL SAMPLES OF EACH TIPS GRAPHIC, 40 GRAPHICS ON EACH 8.5 X 11

A NEWSLETTER LISTING OF TI-BASE TUTORIALS BY MARTIN A. SMOLEY
FOR THE NORTHCOAST 99'ERS USERS GROUP 01/20/90

July/Aug. 1988 Review of TI-Base Version 1.0/1.02

Sept. 1988 Tutorial (1) Disk A

- Pg. 1 How to get started.
- Pg. 2 The SETUP Command File.
- Pg. 3 CREATE your first Database (T NAMES).
- Pg. 4 Simple Mailing Label CF.
- 1/2 Page TIB Tips.

Oct. 1988 Tutorial (2)

- Pg. 1 Small Command Files to save work.
- Pg. 2 Number Database (TNTST2).
- Pg. 3 Open 2 Dbs and PRINT numbers from
- Pg. 4 one file and names from the other.
- Pg. 5 Printout plus Comments.
- 1/2 Page TIB Tips.

Nov. 1988 Tutorial (3)

- Pg. 1 Menu driven operations.
- Pg. 2 Multiple labels (One across).
- Pg. 3 Initialize the printer (Menu driven).
- Pg. 4 Convert old IF/40 to DV/80 (XBasic).
- 1/4 Page TIB Tips

Dec. 1988 Tutorial (4) Disk B

- Pg. 1 Move data from one database to another
- Pg. 2 to change field size.
- Pg. 3 Delete all records. (CLEAR)

Special Extended Basic section.

- TIB 1.1 Pg. 4 Converting old TI-Mail records to a form
- " 1.2 Pg. 5 that TI-Base can import into a database.

1/2 Page TIB Tips.

Jan. 1989 Tutorial (5) Disk C

- Pg. 5.1 13 small Command Files to make up a
- Pg. 5.2 basic user group or club type system.
- Pg. 5.3 This is not complete, but is a starter.

Continuation of Special X-Basic section.

- Pg. 2.1 More information on the conversion of
- Pg. 2.2 TI-Mail Extended Basic files into files
- Pg. 2.3 that TI-Base can import.

Feb. 1989 Tutorial (6) Version 2.0

1/2 Page Tips and Changes for Version 2.0

One Page FunnelWeb/TI-Writer Tips

- Pg. 6.1 Self updating club roster Command Files
- Pg. 6.2 which use dates to find expired memberships.

Continuation of Special X-Basic section.

- Pg. 2.4 Last page on TI-Mail to TI-Base.

Mar. 1989 Tutorial (7) Disk D

- Pg. 7.1 The TI-Base printer database, X-Type
- Pg. 7.2 fields and how to use them.

One Page How to use FunnelWeb/TIW Printer Control Codes.

April 1989 Tutorial (8)

One Page FunnelWeb/TIW Commands LF, PF, Move, Copy etc.

- Pg. 8.1 Continuation of TIB printer control with a
- Pg. 8.2 CF to print 2 labels across as a demo.

May 1989 Tutorial (9/A) Version 2.01

- Pg. 9.1.1 How to create a Graphic Database, how to
- 9.1.2 create a mixed Graphic and ASCII Database
- 9.1.3 and how to print labels using names and
- 9.1.4 addresses with those Graphics. (Part one)

June 1989 Tutorial (9/B) Disk E

- Pg. 9.2.1 Completion of the Graphic Label Tutorial
- 9.2.2 with a CF to print the labels.

NOTE: This section also contains five pages contributed by Wes Richardson, of the NorthCoast 99'ers. Wes created an Extended Basic and Assembly Language program to convert TI-Artist Instances into a form that can be incorporated into a TI-Base Database as X-Type fields and then printed as Graphics from TI-Base. It includes commented Assembly Source Code and instructions. Some really great stuff. Thanks very much to Wes Richardson.

July/Aug. 1989 Tutorial (10)

One Page TI/Character Codes. Reprint of Jim Swedlow.

- Pg. 10.1.1 A discription of how to use the DATE type
- 10.1.2 field. Extracting the Month, Day, etc.

Sept. 1989 Tutorial (11)

- Pg. 11.1.1 CFs print data (Bottom Up).

Oct. 1989 Tutorial (12)

- Pg. 12.1.1 CFs to save time of last use and remove
- Pg. 12.1.2 previous use time from database.

Nov. 1989 Tutorial (13) Disk F

- Pg. 13.1.1 CFs to convert TI-Base data to a mailmerge
- Pg. 13.1.2 type file and how to use it in FunnelWeb.

Dec. 1989 Tutorial (14/A)

- Pg. 14.1.1 Basic ideas on the creation of a checkbook
- Pg. 14.1.2 type database.
- Pg. 14.1.3 Beginning the uses of the ";FOR clause".

Jan. 1990 Tutorial (14/B)

- Pg. 14.2.1 Continuation of ;FOR clause uses.
- Pg. 14.2.2 Moving data from BILLS to CHKBK. Debugging

Feb. 1990 Tutorial (15) Disk G

- Pg. 15.1.1 Finding and using specific data in T NAMES
- Pg. 15.1.2 with a complicated IF statement. Debugging

This is a listing of the Tutorials I have written and the order they appear in the NorthCoast 99'ers Newsletter. It is also the order in which they can be found on the Tutorial disks which I have supplied to many users. It does not contain great detail, but it may help you find an item of interest without looking through the complete listing.

Good luck with TI-Base. Marty. To Be Continued.

ASSEMBLY 01 A01VMBW

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

The purpose of this article is to provide detailed instructions for Editing, Assembling, and converting to Program format the Assembly Language program, A01VMBW. This is in response to the question "How do I get started in Assembly?" This article will explain the methods for the above steps, but will not describe the program theory other than the comments included in the source code.

Separate instructions are given for the use of the TI Editor/Assembler disk with the E/A cartridge and for using Funnelweb 4.12 with the Extended BASIC cartridge. Both methods produce the same results, although some individuals may prefer one method over the other. The instructions assume that one SSSD disk drive is used, but if you have two or more, then just change the referenced drive number, as is appropriate.

This entire assembly program does just two things, 1. It clears the screen, and 2. It writes each character in the text to the screen. The similar program in Extended BASIC is: 100 CALL CLEAR :: DISPLAY AT(12,4):"PRINT TEXT TO SCREEN". The VMBW instruction means Video Multiple Byte Write, and is from the Tombstone source code included with the TI Editor Assembler disk.

EDITOR/ASSEMBLER CARTRIDGE INSTRUCTIONS

You will need as a minimum the Editor/Assembler cartridge and a disk with the following E/A files: ASSM1, ASSM2, EDIT1, and SAVE. I would suggest copying these files to a work disk where you can also save your program.

To EDIT: From the TI title screen, press any key, then 2 for Editor/Assembler. Press 1 to Edit, then press 2 to Edit. At the EOF prompt, press ENTER. Type in the program as shown, although anything on a line after an asterisk (*) may be omitted. Be sure to place labels such as SFIRST left justified. Use FCTN 7 to tab to next columns as shown in the listing.

After typing the program, press FCTN 9 for command mode, then FCTN 9 again, and press 3 to save. Answer Y to "VAR 80 Format ?" Type DSK1.A01VMBW/S as the file name, and press ENTER, then press FCTN 9.

To ASSEMBLE: At the Editor Assembler screen, press 2 to assemble, and Y to load assembler. Give DSK1.A01VMBW/S as the source file name and press ENTER. Type the object file name as DSK1.A01VMBW/O and press ENTER. Leave the list file name blank and press ENTER. Type RC for the options and press ENTER. If you have any errors, note the line numbers, and press ENTER and go back to the Editor and recheck those lines for accuracy. Resave the file if you make any changes. If there were 0000 Assembly errors, then press ENTER and continue with these instructions. Select 3 for Load and run. Give DSK1.A01VMBW/O as the object file name and press ENTER twice. Type SFIRST for the program name and press ENTER. "PRINT TEXT TO SCREEN" should appear on the screen. Press FCTN = to quit.

To convert to PROGRAM: From the TI title screen, press any key, then 2 for Editor/Assembler. Press 3 to load and run. Give the file name as DSK1.A01VMBW/O and press ENTER. Give a second file name as DSK1.SAVE and press ENTER twice. IMPORTANT! This time give the program name as SAVE, and press ENTER. Type the file name as DSK1.A01VMBW/P (NOTE: THIS IS NOT /S OR /O), and press ENTER. At prompt "press enter to continue", press ENTER. Press 5 to run program file. Give DSK1.A01VMBW/P as the program file name and press ENTER. "PRINT TEXT TO SCREEN" should appear. Press FCTN = to quit. If you make it this far, then this last file can be run from any EA#5 program loader.

FUNNELWEB INSTRUCTIONS

You will need as a minimum the Extended BASIC cartridge and a disk with the following Funnelweb files: AS, AT, EA, ED, EE, FWSAVE, and LOAD. I would suggest copying these files to a work disk where you can also save your program.

To EDIT: From the TI title screen, press any key, then 2 for Extended BASIC. After Funnelweb loads, press 2 for Edit/Assm and 1 for Editor. At the command line, type E and press ENTER for edit. Type in the program as shown, although anything on a line after an asterisk (*) may be omitted. Be sure to place labels such as SFIRST left justified in column 0. Use FCTN 7 to tab to next columns as shown in the listing.

After typing the program, press FCTN 9 for command mode. Type SF and press ENTER to save the file. Type DSK1.A01VMBW/S as the save file name, and press ENTER. You will return to Edit mode, so press FCTN 9 for command mode. Type Q and press

ENTER, then E and press ENTER.

To ASSEMBLE: From the Editor Assembler menu screen of Funnelweb, press 2 for Assembler. Give DSK1.A01VMBW/S as the source file name and press ENTER. The object file name is DSK1.A01VMBW/O and press ENTER. Leave the list device blank and press ENTER. Leave options as RC and press ENTER. Then press FCTN 6 to proceed. If you have any errors, note the line numbers, and press ENTER and go back to the Editor and recheck those lines for accuracy. Resave the file if you make any changes. If there were 0000 Assembly errors, then press ENTER and continue with these instructions. Select 3 for Loaders, then select 4 for Load/Run. Give DSK1.A01VMBW/O as the object file name and press ENTER twice. Press FCTN 6 to proceed at DEF TABLE as START. "PRINT TEXT TO SCREEN" should appear on the screen. Press FCTN = to quit.

To convert to PROGRAM: From the TI title screen, press any key, then 2 for Extended BASIC. Press 2 for Edit/Assm, then 3 for Loaders. Press 4 for Load/Run. Give the object file name as DSK1.A01VMBW/O and press ENTER. Give a second object file name as DSK1.FWSAVE and press ENTER twice. IMPORTANT! This time use FCTN D to move the underline to SAVE, then press FCTN 6 to proceed. Give SAVE to ? as DSK1.A01VMBW/P and press ENTER. At prompt "press ENTER", press ENTER, then press FCTN 9. Select 3 for program. Give DSK1.A01VMBW/P as the program file name and press ENTER. "PRINT TEXT TO SCREEN" should appear. Press FCTN = to quit. If you make it this far, then this last file can be run from any EA#5 program loader.

TI EXTENDED BASIC TIP by WESLEY R. RICHARDSON

The command mode of Extended BASIC will accept multiple statements, separated by double colons, and can continue past one line. For example you can break a running XB program that has an array B\$(15) and do the following command: CALL CLEAR :: FOR W=1 TO 15 :: PRINT B\$(W) :: NEXT W Then press ENTER and you would be able to know what was in each of the elements of B\$(). Then type CON and press ENTER to continue the program. As long as the variable that you use in the loop, in this case W, is not used in the program, then the program will continue normally, except of course, sprites will no longer display and the characters will return to their original definitions. This method can also be used to change variables and then continue the program.

```
* A01VMBW/S  EDITOR ASSEMBLER SOURCE CODE
* A01VMBW/O  EDITOR ASSEMBLER #3 OBJECT CODE
* A01VMBW/P  EDITOR ASSEMBLER #5 PROGRAM
* BY WESLEY R. RICHARDSON  JANUARY, 1990
* NORTHCOAST 99ER'S CLEVELAND, OH
```

```
DEF  START,SFIRST,SLOAD,SLAST
SFIRST
SLOAD  B  @START
*
MYWS  EQU  >8300 * MY OWN WORKSPACE.
SPACE BYTE >20  * SPACE CHARACTER 32
TR0   EQU  >838E * TEMP REGISTER R0(2BYTES)
TR1   EQU  >8390 * TEMP REGISTER R1(2BYTES)
TR2   EQU  >8392 * TEMP REGISTER R2(2BYTES)
*
START  LWPI MYWS      * LOAD MY WORKSPACE
*
LI  R0,0      * SCREEN LOCATION 0
LI  R1,SPACE  * ADDRESS OF DATA
LI  R2,1      * NUMBER OF CHARACTERS
CLS  BL  @VMBW * CLEAR SCREEN
AI  R0,1      * INCREMENT R0 BY 1
CI  R0,768    * COMPARE TO 768
JNE CLS      * IF NOT, DO AGAIN
*
WORDS  TEXT 'PRINT TEXT TO SCREEN'
LI  R0,357    * SCREEN LOCATION
LI  R1,WORDS  * ADDRESS OF DATA
LI  R2,20     * NUMBER OF CHARACTERS
BL  @VMBW    * WRITE TO SCREEN
*
HERE  JMP  HERE * ENDLESS LOOP
*
*****
* VMBW WRITE THE NUMBER OF BYTES CONTAINED *
* IN R2 FROM THE ADDRESS CONTAINED IN *
* R1 TO THE SCREEN LOCATION IN R0. *
*****
HEX40  BYTE  >40 * OFFSET OF 64
VMBW  MOV  R0,@TR0 * STORE VALUES IN
MOV  R1,@TR1 * TEMPORARY REGISTERS
MOV  R2,@TR2
LIMI  0
AB  @HEX40,@TR0 * ADD >40 TO EACH
VMBW1  MOVB @TR0+1,@>8C02 * MOVE BYTE
MOVB @TR0,@>8C02
INC  @TR0 * INCREMENT
MOVB *R1+,@>8C00
DEC  @TR2 * REDUCE COUNTER
JNE  VMBW1 * DO AGAIN
LIMI  2
MOV  @TR1,R1 * SAVE IN R1
RT * RETURN
*
SLAST  END
```

**TI-BASE - From INSCEBOT
TUTORIAL 15.1.1 By Martin Smoley
NorthCoast 99'ers - Jan. 20, 1990
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I am reserving the copyright on this material, but I will allow the copying of this material by anyone under the following conditions. (1) It must be copied in its entirety with no changes. (2) If it is retyped, credit must be given to myself and the NorthCoast 99ers, as above. (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 friend as long as its free.

*** HAPPY NEW YEAR ***

*** Find Past Members FPM5/C**

```

CLOSE ALL
LOCAL FDT C 5
LOCAL LDT C 5
* SET TALK OFF
  SET RECNUM OFF
  SET HEADING OFF
PRINT (f)
  USE TNames
  CLEAR
WRITE 8,1," Enter Date as YY/MM"
WRITE 10,1," Enter First Date: 88/05"
WRITE 14,1," Enter Last Date: 90/02"
READSTRING 11,20,FDT
READSTRING 15,19,LDT
  WHILE .NOT. (EOF)
PRINT NM,FDT,XP,LDT,ST,SA,ZP
  IF (((XP>FDT).AND.(XP<LDT)).OR.;
    ((XP=FDT).OR.(XP=LDT))).AND.;
    (ST="OH").AND.(SA<>"No Newsletter");
    .AND.(ZP<>" Zip ")
  PRINT (LF)
  PRINT
  PRINT (LF)
  ENDIF
  MOVE
  ENDWHILE
CLOSE ALL
  SET TALK ON
  SET RECNUM ON
  SET HEADING ON
RETURN Copyright Martin A. Smoley 1990

```

I can't believe it's 1990 already. I haven't made any New Year resolutions, but if I had known I was going to live this long, I would have taken better care of myself.

At this point I really believe that I have covered all the functions of TI-Base. Therefore, I intend to ramble along in a haphazard manner and build my tutorials on things which I am doing during the month the tutorial is due. If possible I will link my tutorials to the previous month and relate the work to TNames, or some other small database to give you a working model of the idea I am presenting.

Last month I gave myself the task of pulling the names of past members out of the NorthCoast membership list for the purpose of sending them a letter. We are having a swap meet at the February meeting and we wanted to give ex-members the chance to sell their TI components (current members should read about this item in the Newsletter). This was actually an easy task to start with, but I managed to complicate it considerably, as usual. The first thing I did was to print out a complete old membership list. As I backup my disks I save the old disks to a storage box with the most current at the front and the oldest at the back. I still have disks from 1983. This means that I can back up two or three disks and find all the past NorthCoast members. By writing a CF that looks through these Dbs using a date range and a couple other parameters, I can extract the names I want. I expanded TNames and edited it so it would give me some problems. That may sound strange, but it's exactly correct. If you want to do a job with a specialized CF (Command File), you need a small Db to test the CF. The Db should contain data with a wide variety of dates, names, addresses, etc. to thoroughly test your CF. I look through the Db I wish to use and pull out items I think will give me problems. Then I incorporate these problems into my small test Db so I can iron them out before I try it on the important data. It may sound like a lot of effort to keep changing TNames, but TNames is one of my most productive debugging tools. Since the last listing of TNames I have added record 0 (Zero). You will notice that it is really a description of the fields. The CT field contains the word City and the last date the Db was modified. You should also notice that many of the fields in record 0 start with a blank space. In most cases that blank space will return record 0 to the top of the list when the Db is sorted on those fields. Using record 0 gives me a nice printout with no added effort when I'm printing the Db, and I have the Heading and Recnum turned off. There are many ways to keep record 0 from being mixed in with the rest of the data when you don't want it there. You can see one of my methods for accomplishing this task at the very end of the IF statement to the right.

Continued Next Page.

Listing of modified TNames database. 01/01/90

REC	NM	LN	FN	MI	SA	CT	ST	IP	PH	XP	GP	ID
0008	0	Last Name	First Name	MI	Street Address	City	01/01/90	ST	Zip	Phone	XPdt	Group ID-No.
0002	1	Aardvark	Grant	E.	9995 State Rt. 84	Geneva	OH	44014	1-465-9876	89/12	NOCO	0717851
0003	2	Aardvark	Willard	J.	No Newsletter		OH		1-465-7689	88/09	NOCO	0717852
0006	3	Jones	Jan	M.	456 Skytop Drive	Vale	CO	80012		90/08	NOCO	03218
0005	4	Jones	Quincy	W.	37285 Burgandy Lane	Mentor-on-the-Lake	OH	44060	257-1029	90/03	NOCO	08208
0000	5	Smoley	Martin	A.	6149 Bryson Drive	Mentor	OH	44060	216-257-1661	90/02	NOCO	0713831
0007	6	Vilario	Aulga	J.	9238 Townsend Road	St. Louis	MO	63174	314-868-8641	90/06	NOCO	0604891
0004	7	Vivannovitch	Elexxie	I.	111 E. 98th. St.	Cleveland	OH	91023	541-5415	88/05	NOCO	0712881
0001	8	Whitman	Raymond (Slie)	B.	2574 East 254th.	Eastlake	OH	44094	951-2345	89/09	NOCO	0921861

**TI-BASE - From INSCEBOT
TUTORIAL 15.1.2 By Martin Smoley
NorthCoast 99'ers - Jan. 20, 1990
Copyright 1990 By Martin A. Smoley**

```

Find Past Members FPMB/C
CLOSE ALL
USE DSK1.TNAMES
SET PRINTER=DSK1.PASTNMS
SET RECNUM OFF
SET HEADING OFF
PRINT (f)
PRINT
LOCAL FDT C 5
LOCAL LDT C 5
SET TALK OFF
CLEAR
WRITE 8,1," Enter Date as YY/MM"
WRITE 10,1," Enter First Date: 88/05"
WRITE 14,1," Enter Last Date: 90/02"
READSTRING 11,20,FDT
READSTRING 15,19,LDT
WHILE .NOT. (EOF)
  IF (((XP>FDT).AND.(XP<LDT)).OR.;
      ((XP=FDT).OR.(XP=LDT))).AND.;
      (ST="OH").AND.(SA<>"No Newsletter");
      .AND.(ZP<>" Zip ");
  DO DSK1.SV'PRNT
  ENDIF
  MOVE
  ENDWHILE
CLOSE ALL
SET TALK ON
SET RECNUM ON
SET HEADING ON
SET PRINTER=PIO.CR.LF
RETURN Copyright Martin A. Smoley 1990
~~~~~
*                               SV'PRNT
SET PAGE=000
CLEAR
LOCAL TEMP C 40
WRITE 10,5,"Saving name to DV/80 file"
SET PRINTER=DSK1.PASTNMS
PRINT
SET PRINTER=RS232.CR.LF.DA=8
PRINT (E)
WRITE 10,5," Printing one Label "
*
  REPLACE TEMP WITH " ";
  ; " Exp. Date: " ; XP
  PRINT TEMP
  PRINT (CR),(LF)
  REPLACE TEMP WITH TRIM(FN) ; " ";
  ; MI ; " " ; LN
  PRINT TEMP
  PRINT SA
  REPLACE TEMP WITH TRIM(CT) ; " ";
  ; ST ; ". " ; ZP
  PRINT TEMP
  PRINT (CR),(LF)
RETURN Copyright Martin A. Smoley 1990

```

Let's get to the Command Files (CFs). FPM5/C is only included to demonstrate my heavy use of PRINT statements in the testing of complicated clauses. I created FPM5/C as you see it except the IF statement was a simple "IF (XP>FDT).AND.(XP<LDT)". I ran the CF which printed the data it was using, for my verification. Then I added the rest of the IF requirements (one at a time) and ran the CF each time to see the results. You'll notice that this particular IF statement has seven requirements before the PRINT commands within the IF-ENDIF will execute. This amount of programming power is also usable with the ;FOR clause which was discussed last week. After assuring myself that things were going the way I wanted, I moved along to the two CFs you see on this page. I rearranged the top 10 lines of FPMB so they will scroll up the screen before talk is set off. I might also place a (WAIT 5) just before CLEAR. This allows me a quick glimpse at what's going on in this CF when I use it four months from now. The important items would be, that I'm using TNAMES and PRINTing to a file named PASTNMS, both on DSK1. The items for you to concentrate on at this point in the CF are SET PRINTER=DSK1.PASTNMS, PRINT (f) and PRINT. SET PRINTER=DSK1.PASTNMS tells TIB that until I make a change, send everything to be PRINTed to a DV/80 file on DiSK drive number 1. PRINT (f), sends one character to the DV/80 file, my command to set the printer to Condensed Mode. The next PRINT command tells TIB to PRINT the record it is pointing to, which in this case is record 0 (zero). This puts my headings at the top of PASTNMS. After the CLEAR, FPMB asks you for the oldest allowable search date and the latest allowable search date. FPMB should give you more instructions about entering these dates, but I didn't want to waste the newsletter space. FDT should be the oldest date you want and LDT would be the newest or latest date. Note that in TNAMES, XP is not a date field. It is a character type field. For this reason I put in the examples "88/05" and "90/02" to remind me of the type of input I must make. I'm not sure, but I think this is the first time I'm using user input for the execution of a search clause (IF) and the input must be exact or the IF statement will not find a match, or it might match everything. The IF clause says if XP is equal to or in between the items I entered (FDT and LDT) and ST equals OH and SA is not "No Newsletter" and ZP is not " Zip ", then DO DSK1.SV'PRNT. "TI-Base is capable of doing some pretty complicated stuff." IF all these requirements are met, TIB will DO the CF SV'PRNT. SV'PRNT SETs the PAGE length to 000 then sends the complete record it has found in the IF clause to the DV/80 file with the first PRINT. The line that reSETs the PRINTER to DSK1.PASTNMS means nothing at this point, but it will be needed the next time SV'PRNT is run. I am saving the records to a DV/80 file so that I will have a complete FunnelWeb list of all the people who will receive the letter. Now I need a label. The command SET PRINTER=RS232.CR.LF.DA=8 points TIB toward, and sets up, my printer, as you should recognize by now. PRINT (E) sets my printer to Emphasized Mode and the rest of SV'PRNT prints the label I want (hopefully). At the completion of the label TIB RETURNS to FPMB at the ENDIF statement. TIB then MOVES to the next record in the Database and loops back up to the WHILE statement. If it has not hit the End Of File marker the statements in the WHILE loop will be executed. When the whole Database has been searched (one record at a time) for the records I want, the Db is closed and everything is reSET to my normal SETUP. I only use my RS232 for printing labels, so I reSET my PRINTER to PIO.CR.LF.

NOTE: Due to my use of the Formatter to print the text in these Tutorials, the spacing of SET statements may not be correct. The spacing in the CF listing should be correct and that is what you should follow.

TIP: If your CF has successfully opened a Db and you still get a "database not in use" error later in the CF, this probably means that you have made a mistake in the IF clause.

Continued Next Month.

INCH PAGE. WITH THIS UTILITY, YOU CAN CREATE A REFERENCE NOTEBOOK SHOWING ALL THE TIPS GRAPHICS. ANOTHER UTILITY ALLOWS YOU TO DISPLAY AN ENTIRE FILE OF TIPS GRAPHICS ON THE MONITOR IN SLIDE SHOW FORMAT. AN IMPROVED (FASTER) INSTANCES CONVERSION PROGRAM IS AVAILABLE, AS IS A PROGRAM TO CONVERT TIPS GRAPHICS TO PAGEPRO FORMAT. EVERYTHING IS PUBLIC DOMAIN EXCEPT THE PAGEPRO CONVERSION UTILITY.
(END OF CHARLIE'S REVIEW)

AS YOU WILL HAVE NOTED BY NOW, WE ADDED SEVERAL OF THE TIPS AND TIPS RELATED PROGRAMS TO OUR LIBRARY LAST MONTH. THESE INCLUDED TIPS V1.3, TIPSVU, TIPS-I, TIPSPP, AND SEVERAL OF THE GRAPHIC FILES. THE TIPSVU, LETS YOU VIEW THE GRAPHICS IN A FILE IN SLIDE-SHOW FASHION. YOU CAN CHOOSE HOW LONG YOU WANT A GRAPHIC TO APPEAR ON THE SCREEN AND IT WILL GO THROUGH THE ENTIRE FILE. THE TIPS-I WILL CONVERT A FILE OF TIPS GRAPHICS TO INSTANCE FORMAT MUCH FASTER THAN THE TIPS PROGRAM ITSELF. AND THE TIPSPP IS A TIPS TO PAGEPRO CONVERSION WHICH WORKS LIKE THE TIPS TO INSTANCE IN CONVERTING AN ENTIRE FILE TO PAGE PRO FORMAT.

AS STATED IN CHARLIE'S REVIEW, THE TIPS GRAPHIC FILES ARE QUITE LARGE AND NORMALLY WE WOULD ONLY BE ABLE TO GET ONE FILE ON A 5.25 DISK. LAST MONTH WHEN I STARTED PUTTING THESE IN THE LIBRARY, I PUT THEM IN ARCHIVED TO SAVE SPACE AND GIVE YOU MORE FILES ON A DISK. I CONTINUED THAT FASHION WITH THE NEW DISKS WE RECEIVED FROM RON. HE SENT US 9 5.25 DISKS, WHICH WOULD HAVE BEEN OVER 36 DISKS FOR THE LIBRARY. AS IT IS, I HAVE ADDED 12 DISKS OF GRAPHICS FROM WHAT HE

SENT TO US. I WAS ABLE TO GET AT LEAST 2 FILES TO A SIDE BY ARCHIVING THEM, SO IF YOU REQUEST THESE FROM THE LIBRARY, MAKE SURE YOU ALSO HAVE A COPY OF ARCHIVER 302 OR 303.

I AM SURE THAT YOU ARE NOT AWARE OF THE FACT THAT RON WOLCOTT IS ONE OF OUR OUT-OF-TOWN MEMBERS, AND WE ARE GREATLY INDEBTED TO HIM FOR THESE GRAPHICS. IT MUST BE A LABOR OF LOVE ON HIS PART BECAUSE HE HAS ASKED FOR NO COMPENSATION WHATSOEVER. IN FACT, YOU WON'T EVEN FIND HIS NAME OR ADDRESS ON THE TIPS FILES SO THAT YOU CAN CONTACT HIM. IF ANY OF OUR MEMBERS WOULD LIKE TO WRITE TO RON AND EXPRESS A PERSONAL APPRECIATION TO HIM, IF YOU WILL WRITE IN CARE OF ME, I WILL BE GLAD TO PASS THE LETTERS ON TO HIM. PLEASE DO NOT WRITE REQUESTING DISKS OR GRAPHICS. THAT IS WHY THESE ARE BEING DISTRIBUTED FREELY VIA GENIE, COMPU SERVE AND USER GROUPS. BUT I THINK A NICE NOTE OF APPRECIATION IS VERY MUCH IN ORDER.

P.S.: SINCE WRITING UP THIS ARTICLE, WE HAVE RECEIVED EVEN MORE TIPS ITEMS FROM RON. HE HAS SENT THE TIPS PROGRAM V.1.4 WHICH RUNS QUITE A BIT FASTER THAN THE PREVIOUS ONES. THE DIFFERENCE IS VERY NOTABLE. THIS WAS ACCOMPLISHED BY REARRANGING SOME OF THE ITEMS AND USING A PRESCAN. HE ALSO SENT SEVERAL MORE GRAPHICS LIBRARIES. IT IS MY INTENTION TO HAVE THESE IN THE LIBRARY BY THE FEBRUARY MEETINGS. AND ONCE AGAIN, OUR THANKS TO RON FOR HIS EFFORTS ON BEHALF OF THE TI. I HAD THE PRIVILEGE OF TALKING WITH HIM ON THE PHONE, AND IT SEEMS HE SPENDS ALL OF HIS TIME CONVERTING GRAPHICS FOR US INSTEAD OF USING THEM HIMSELF!!!!

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!

Exp Date: 90/07

FIRST CLASS

FIRST CLASS

FIRST CLASS