

* MICHIGAN ASTROBUGS *

>>> NEWSLETTER <<<

SECRETARY: PEGGY GLADDEN * 59400 NINE MILE ROAD * SOUTH LYON, MICHIGAN 48178

PHONE: (313) 437-3984

NOVEMBER, 1983

PRINTED BI-MONTHLY BY THE MICHIGAN ASTROBUGS

SPECIAL REPORT ON THE BIG "ASTRO-BASH!"

BY GEORGE MOSES

WELL, THE FAMOUS MICHIGAN BUG ASTRO-BASH IS NOW HISTORY! AS MANY OF YOU KNOW WE WORKED ON THIS CLUB MEETING SINCE LAST MAY TO MAKE IT A TRULY NATIONAL BASH, AND THANKS TO DON AND PEGGY GLADDEN, WE SUCCEEDED BEYOND OUR WILDEST DREAMS!

THE PARTY WAS SCHEDULED FOR THE THIRD SUNDAY OF SEPTEMBER, BUT THE GANG STARTED ARRIVING AT DON'S HOUSE IN TRAILERS, MOTOR HOMES AND SLEEPING BAGS. AND ONCE THEY BEGAN SETTING UP THEIR COMPUTERS AND SHOWING OFF THEIR SOFTWARE, NOBODY WANTED TO GO TO SLEEP UNTIL TUESDAY, WHEN THE LAST OF THEM LEFT. SUNDAY THE PARTY OFFICIALLY STARTED AT ABOUT 10 AM AT THE GREEN OAK TOWNSHIP HALL NEAR BRIGHTON, MICHIGAN. WE HAD GUESTS FROM AT LEAST 7 STATES. THE ONE WHO CAME THE FARTHEST WAS TOM MEEKS, AN ASTROCADE EXECUTIVE WHO FLEW IN ALL THE WAY FROM MARYLAND TO BE WITH THE BUGS. HE TOLD US THAT THE COMPANY WAS NOW COMING OUT OF THEIR CHAPTER 11 MODE AND WOULD NOW BE ACTIVELY SOLICITING THE SUPPORT OF USERS TO DEVELOP SOFTWARE, HARDWARE AND IDEAS FOR THE FUTURE. IN RETURN, WE WERE TOLD THAT SOME OF US WOULD RECEIVE SUPPORT FROM ASTROCADE IN THE FORM OF DEVELOPMENT SYSTEMS TO USE IN WRITING CARTRIDGES FOR THEM TO MARKET. THE BUG MEMBERS HAD LOTS TO SHOW MR. MEEKS TOO! ON DISPLAY WERE MANY NEW PROGRAMS INCLUDING "SNEAKY SNAKE", A NEW CARTRIDGE INTRODUCED BY NEW IMAGE THAT IS A DEAD RINGER FOR CENTIPEDE. IT'S A 4-PLAYER GAME WITH ALL THE FAST ACTION, GREAT SOUND EFFECTS AND RAPID FIRE WE EXPECT FROM A GOOD ARCADE GAME.

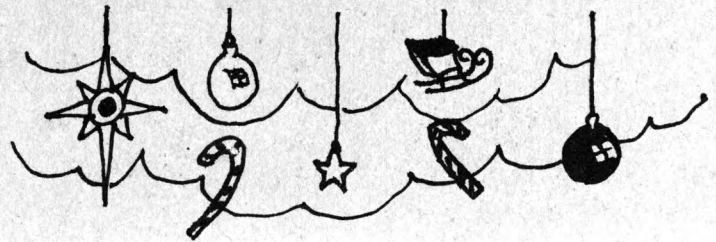
PRIZES! PRIZES! PRIZES!

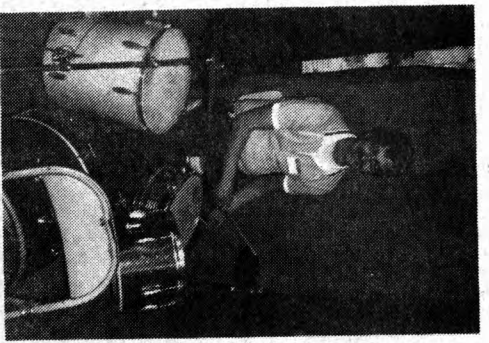
YUP! BOY, DID WE GIVE AWAY SOME GREAT STUFF! THE BUGS WANT TO THANK THE MANY FIRMS WHO DONATED HARDWARE AND SOFTWARE PRIZES. WE RECEIVED AN ASTROCADE FROM ASTROCADE TO GIVE AWAY, WHICH WAS WON BY JOE RAYMOND. R&L ENTERPRIZES DONATED A 64K BOARD WHICH WAS WON BY A NEW BUG MEMBER, C.S. DOMKE. A NEW, 16K BLUE RAM WITH A BLUE RAM BASIC FROM PERKINS ENGINEERING WAS WON BY LEROY FRAMM, WHO CAME ALL THE WAY FROM PENNSYLVANIA! DUANE DEVRIES WAS THE WINNER OF AN OAK KEYBOARD BASE FOR HIS BLUE RAM, DONATED BY ED HORGER. THERE WERE TWO BLAST DROIDS CARTRIDGES DONATED BY ESOTERICA, DOZENS OF TAPES OF BASIC SOFTWARE GIVEN AWAY AS PRIZES FOR TOURNAMENTS AND RAFFLED OFF, AND THE CLUB PURCHASED A CARTRIDGE FROM L&M SOFTWARE... THEIR NEW MS. CANDYMAN CARTRIDGE WHICH WAS OFFERED AS A PRIZE FOR TOURNAMENT COMPETITION.

THE "CORNER STORE" WAS PILED HIGH WITH CARTRIDGES, ARCADES, TAPES, PATCHES, BUTTONS T-SHIRTS, SPARE CONTROLLERS AND CORDS AND ANYTHING ELSE YOU WOULD WANT. WHEN THE LOCAL MONKEY WARDS STORE CLOSED IN MAY NEW IMAGE ACQUIRED THE BULK OF THEIR REMAINING STOCK FOR THE BENEFIT OF OUR MEMBERS. DURING THE MEETING WE HAD PLENTY OF DELICIOUS DISHES OF FOOD WHICH THE LADIES HAD BROUGHT TO PASS AND WE HAD A FEW BARBEQUE GRILLS SET UP OUTDOORS. AND AFTER THE GOOD PART OF THE MEETING WAS OVER, THE "BEST" PART BEGAN. DIRECT FROM SHAUMBURG, ILLINOIS, THE FAMOUS MIKE PEACE OF WAVEMAKERS BROUGHT IN HIS PROFESSIONAL ENTERTAINING EQUIPMENT AND GAVE US A ONE HOUR CONCERT THAT WE'LL NEVER FORGET. HE ENTERTAINS FIVE NITES A WEEK IN A NIGHTCLUB BACK HOME AND, HE REALLY IS A MULTI-TALENTED CREATIVE GENIUS! WELL, ENOUGH OF THIS RAMBLING ON. THANKS TO ALL WHO HELPED MAKE IT HAPPEN. THANKS ESPECIALLY TO PEGGY GLADDEN, WHO KNEW THERE'RE STILL ENOUGH PEOPLE AROUND WHO CARE ENOUGH ABOUT THE ASTROCADE TO MAKE THE TRIP HERE AND GUARANTEE A SUCCESSFUL GET TOGETHER FOR THE BUGS. AND IF YOU MISSED THE MEETING THIS TIME, JUST WAIT UNTIL NEXT YEAR AND COME TO OUR 2ND ANNUAL ASTRO-BASH II.

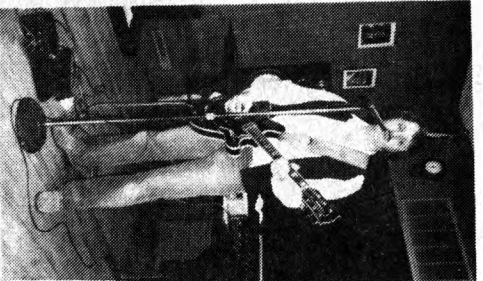
PHOTO IDENTIFICATION:

1. DON GLADDEN, DRUMMER
2. MIKE PEACE, ENTERTAINER EXTRAORDINAIRE
3. PEGGY GLADDEN "WOMANS" THE CORNER STORE AS MARION NALEPA & DON GLADDEN WATCH
4. THE PEACE-GLADDEN DUO.
5. TOM MEEKS AND GEORGE MOSES SHARE A LAUGH.
6. RICK MOSES SUPERVISES GAME TOURNAMENTS.
7. PAT BRADY AND MELANIE MOSES SHARE A BREAK
8. GLADDEN SHOWS OFF HIS NEW OFFSPRING TO MEEKS WHILE MELANIE MOSES LOOKS OVER HIS SHOULDER.
9. THE ASTROBASH BARBEQUE IS UNDERWAY!
10. R&L SHOWS OFF THEIR 64-K BOARD.
11. MR. & MRS. KEN LILL FROM CHICAGO
12. TOM MEEKS SPEAKS TO THE CROWD.
13. BOB PEASE SELLS AN ASTROCADE TO MIKE TOTH

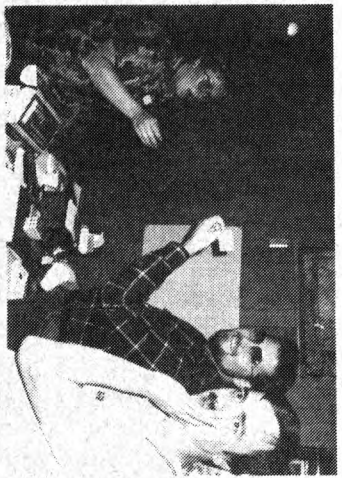




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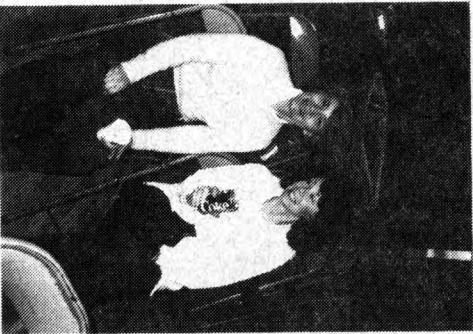


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Sept. 25, 1983



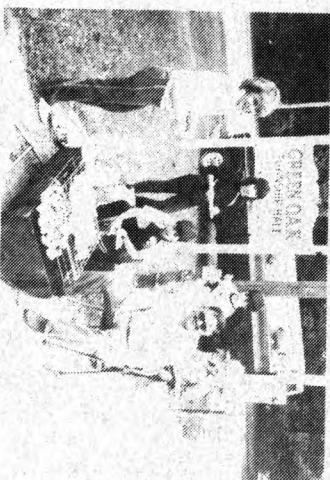
* "Astro-Bash" *
'83 *



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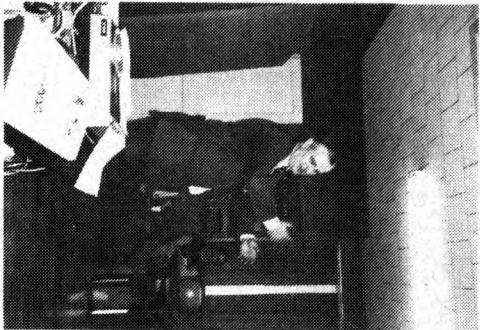
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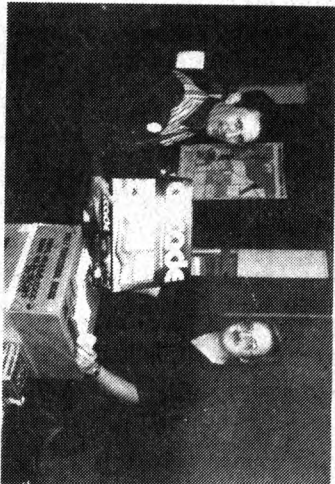
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11.



12.



13.

WHERE WILL BUGS ATTACK???

AS EVERYONE WELL KNOWS, I REALLY BLEW IT IN OUR LAST NEWSLETTER. I SAID I WAS GOING TO INCLUDE A MAP, AND PROMPTLY FORGOT TO INCLUDE IT. NOW, I'M NOT GONNA MAKE ANY PROMISES AS I WRITE, BUT I'M SINCERELY GOING TO TRY TO INCLUDE THE MAP THIS TIME!!!

THE DATE FOR OUR NEXT MEETING IS SUNDAY, DEC. 4, STARTING AT 1:00PM. THE ADDRESS IS; GREEN OAK TOWNSHIP HALL, 10789 SILVER LAKE RD, SOUTH LYON, MI.

I REALIZE THAT THE "ASTRO-BASH" IS GOING TO BE A HARD ACT TO FOLLOW, BUT THIS IS OUR CHRISTMAS MEETING, AND WE HAVE SOME GREAT THINGS ON THE AGENDA.

MASTER PLAN

WE HOPE TO HAVE MORE EXCITING NEWS ABOUT ASTROCADE THIS MEETING. WE GOT THE REPORT THIS WEEK THAT ASTROCADE HAS ACTUALLY PULLED OUT OF THEIR CHAPTER 11 (AS IF ANY OF US REALLY HAD OUR DOUBTS!). WHILE THEY WERE UNDER THAT, SEVERAL OTHER COMPUTER COMPANIES PULLED OUT OF THE MARKET, SO IT LOOKS AS THOUGH THEY MAY END UP WITH THE WORLD ON THEIR SHOULDERS. THE WAY IT LOOKS, THEIR TIMING COULDN'T HAVE BEEN BETTER!

IN REGARDS TO OUR MEETING, WE DO HAVE SOME NEAT THINGS PLANNED. FOR ONE, DON GLADDEN AND GEORGE MOSES ARE GOING TO GIVE A DEMONSTRATION ON DOING MINOR REPAIRS TO YOUR HANDLES. THEY'RE ALSO GOING TO SHOW YOU HOW TO RE-ROUTE THE WIRES, SO THEY'LL COME OUT THE FRONT OF THE

JOYSTICK RATHER THAN THE BOTTOM. THAT'S FOR PEOPLE LIKE ME WHO ARE ALWAYS BREAKING WIRES BY BALANCING THEM ON OUR KNEES.

WE'RE ALSO GOING TO HAVE SOME INFORMATION ABOUT ANOTHER CARTRIDGE ON ITS WAY. THE GAME IS AVAILABLE NOW, IN BASIC AND BLUE RAM, AND YOU'RE ABSOLUTELY GONNA LOVE IT!!!

THANK YOU GUYS

SOMETIMES I FEEL LIKE A BEGGAR, WHEN I'M BUGGIN' ALL OF YOU FOR DONATIONS. HOWEVER, ALL OF YOU WHO HAVE HELPED OUR TOURNAMENTS ARE DEFINITELY NOT FORGOTTEN!

IN CASE EVERYONE DOESN'T REALIZE IT, IF IT WEREN'T FOR ALL OF THESE SUPER GUYS, WE WOULDN'T HAVE PRIZES FOR OUR TOURNAMENTS. THE BUGS DON'T HAVE MONEY TO SPEND ON ALL OF THOSE NEAT PRIZES. GRANTED, WE HAD TO BUY A FEW PRIZES, BUT IF WE HAD TO BUY THEM ALL, WE COULDN'T HAVE MUCH OF A PRIZE LIST.

RIGHT NOW WE'D LIKE TO GIVE A SUPER SPECIAL THANK-YOU TO SOME EXTRA SPECIAL GUYS THAT DONATED SOME VERY EXPENSIVE PRIZES. THANK TO ALL OF THE PEOPLE LISTED BELOW, OUR GAME TOURNAMENT WAS LOADED WITH SPECTACULAR PRIZES!!!

ASTROCADE, INC.
R & L ENTERPRISES - RUSTY & DALE
PERKINS ENGINEERING - CLYDE
ED HORGER
WAVEMAKERS - MIKE
ROB ROSENHOUSE
BIT FIDDLERS - ANDY
ESOTERICA - DAN & JIM
GEORGE MOSES

ALSO, A SPECIAL THANK YOU TO TOM MEEKS FOR COMING ALL THE WAY FROM MARYLAND, JUST TO PUT ALL OF OUR MINDS AT EASE. HE SPENT A LOT OF TIME FILLING US ALL IN ON THE LATEST FROM ASTROCADE. HE'S A TERRIFIC SPEAKER, AND I THINK HE COULD'VE KEPT HIS AUDIENCES' ATTENTION FOR TWICE AS LONG AS HE DID.

ANOTHER SPECIAL THANK YOU TO MIKE PEACE WHO ENTERTAINED US WITH HIS SONG AND DANCE. MIKE IS ONE HECK OF AN ENTERTAINER, AND I'M WAITING FOR HIM TO MOVE TO MICHIGAN, SO I CAN LISTEN TO HIM MORE OFTEN. HOWEVER, I DID BUY ONE OF HIS CASSETTE TAPES (ONE PEACE BAND), AND HAVE ACTUALLY WORN IT TO A FRAZZLE!!! EVEN MY KIDS KNOW ALL OF THE WORDS TO THE SONGS HE WROTE.

©(1983)... NEW IMAGE

INTRODUCING ...

A NEW CARTRIDGE

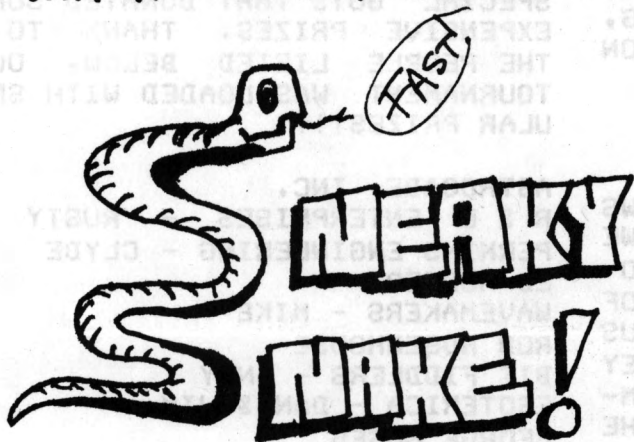
For the Bally-Astrocade home video computer!!!



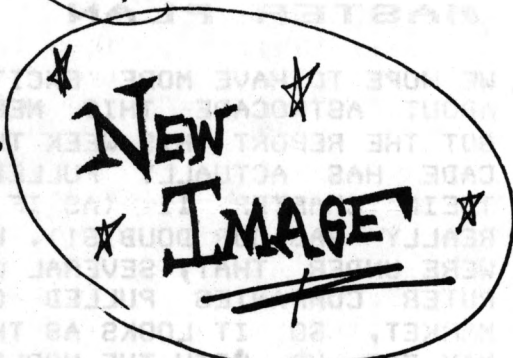
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- * 5 SHOOTERS TO START... BONUS SHOOTER EVERY 10,000 PTS. (NINE MAX.)
- * IF THE SNAKE DON'T GET YOU, THE SPIDER WILL!

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INCLUDING MOST THIRD-PARTY SOFTWARE. SEND S.A.S.E. FOR PRICE LISTS.
(TWO STAMPS PLEASE.)

→ THANKS! ←

RANDOM RUMOURS - PUZZLE SOLUTION

Well, we finally are closing our Bug Puzzle from May 1983. The winner of a free Treasure Cove cartridge for his solution of the puzzle is Jay Fenton, of Oak Park Illinois. Some of you may recognize Jay as the author of Bally and Astrocade basic, and the arcade game GORF. The competition this time was fierce, with all of 2 entries trickling in over the past 6 months of thumb twiddling and other assorted waiting tasks. Anyway, although the contest contest entries lacked in quantity they definitely did not lack in quality. Mr. Fenton's solution was quick, elegant, and efficient. So, without further ado - here is the solution to bug puzzle #4.

Random # Search Program

This program solves the problem given in Michigan Astrobugs May 1983. It takes 22.5 seconds to solve the problem. The solution is derived by first generating a table giving the next number in the sequence for each possible seed

The program the uses a recursive search technique to determine the sequence length for each seed. The longest sequence length is determined in this search loop.

Finally an iterative loop scans the sequence length table printing the starting number of all sequences of the maximum length.

The program first prints the max length, and then on successive lines prints the starting numbers of the longest sequences.

15 42 and 69 are the longest sequences.

Program length = 255 bytes.

The sequence chain for a given seed can be followed by linking through @ (seed).

The sequence length for a given seed is given through *(seed).

@(100) and up is used as a pushdown stack.

Send the free cassette to: Jay Fenton ...

P.S. next time I think we'll also judge on humility.

TOURNAMENT

BELOW ARE THE PRIZE WINNERS FOR OUR RAFFLES, AND OUR BIG GAME TOURNAMENT FROM THE ASTRO-BASH. IF YOU WERE A WINNER AND DIDN'T RECEIVE YOUR PRIZE PLEASE LET ME KNOW. UNFORTUNATELY, THE DAY AFTER THE ASTRO-BASH, DONS' MOTHER PASSED AWAY. NEEDLESS TO SAY, MY RECORDS GOT A BIT TOSSED AROUND. I'LL APOLOGIZE NOW FOR ANY MISTAKES I MADE, AND PROMISE TO STRAIGHTEN THINGS OUT AS SOON AS I CAN. - PEGGY

RAFFLES

BRAND NEW ASTROCADE - DONATED BY ASTROCADE, INC. - WON BY JOE RAYMOND

64K BARE BOARD - DONATED BY R&L ENTERPRISES - WON BY C.S. DOMKE

OAK BASE - DONATED BY ED HORGER WON BY DUANE DEVRIES

16K BLUE RAM - DONATED BY MICHIGAN ASTROBUGS - WON BY LEROY FLAMM

PIRATES CHASE

AGES 7-11	
1-CHRISTY GLADDEN	1,237
AGES 12-18	
1-KIM BRADY	748
AGES 19-?	
1-PEGGY GLADDEN	65,447
2-SUE MULLEN	11,158
3-PEG WILLIAMS	8,283

SNEAKY SNAKE

1-DARRELL HAINES	12,993
------------------	--------

FAC-MAN

AGES 0-6	
1-TOMMY LILL	2,290
AGES 7-11	
JENNIFER SHILBY	29,570
2-KEITH LAKER	13,450
3-KEN LILL	4,600
AGES 12-18	
1-MELINDA MULLEN	51,820
2-DARRELL HAINES	41,300
3-STEVE OWCZAREK	33,170
AGES 19-?	
1-PEGGY GLADDEN	45,200
2-SUE MULLEN	42,890
3-PEG WILLIAMS	37,530

COSMIC RAIDERS

AGES 7-11	
1-CHRIS SUSINKO	2,370
AGES 19-?	
1-GEORGE MOSES	11,150
2-RICK MOSES	3,775
3-BOB PEASE	2,185

WIZARD

AGES 7-11	
1-KEITH LAKER	2,920
2-KIM BRADY	2,860
AGES 19-?	
1-KELLY LAKER	2,300
2-RICK MOSES	2,140
3-DEB RAYMOND	620

MONKEY JUMP

AGES 7-11	
1-KEITH LAKER	18
2-ERIC SHILBY	11
AGES 19-?	
1-BOB PEASE	78
2-RICK MOSES	30
3-KELLY LAKER	28

GALAXIANS

AGES 7-11	
1-CHRIS SUSINKO	142
AGES 19-?	
1-GEORGE MOSES	1,407
2-RICK MOSES	323
3-KEN LILL	251

AS YOU'LL NOTICE, SEVERAL OF THESE SCORES TOOK PLACES IN OUR HIGH SCORE STANDINGS. THINGS ARE GETTING A BIT TOUGH OUT HERE. I PERSONALLY AM CONSIDERING SAVING MY QUARTERS ANDD STAYING OUT OF THE COMPETITION. SOME OF THESE GUYS ARE OUT FOR BLOOD!!!

NEW HIGH SCORES

SNEAKY SNAKE

1-DARRELL HAINES	12,993
2-STEVE OWCZAREK	9,669
3-TOM OWCZAREK	9,551

COSMIC RAIDERSER

LEVEL 9 - 3 BASES	
1-GEORGE MOSES	11,150
2-RICK MOSES	3,775
3-CHRIS SUSINKO	2,370

SPACE FORTRESSUE

LEVEL 9 - 3 BASES	
1-GEOFF SIEMBOR	10,200
2-BRETT BILBREY	8,075
3-TOM BURTELL	7,800

GALAXIANS

LEVEL 9 - 3 BASES	
1-DARRELL HAINES	1,824
2-REX BELDEN	1,790
3-GEORGE MOSES	1,470

WIZARD

LEVEL 3 - 1 PLAYER	
1-TOM BURTELL	12,940
2-DARRELL HAINES	7,610
3-BILLY ZDAN	5,200

SPACE INVADERS

A	
LEVEL 4	
1-DARRELL HAINES	3,110
2-JAMIE BROWN	2,360
3-BILLY ZDAN	1,560

PINBALL

GAME 1	
1-RICK MOSES	85,820
2-MIKE TOTH	57,630
3-DON GLADDEN	48,680

PIRATES CHASE

LEVEL 9 - 3 TURNS	
1-PEGGY GLADDEN	69,673
2-JOHN ZALEWSKI	16,638
3-SUE MULLEN	11,158

PAC-MAN

1-MELINDA MULLEN	51,820
2-PEGGY GLADDEN	45,200

ALIEN BUGS

I GOT ANOTHER NEWSLETTER FROM THE NIAGARA REGIONAL B.U.G. USER GROUP IN CANADA. IT SEEMS AS THOUGH THEY ARE KEEPING IT ALL TOGETHER OVER THERE, AND HAVE EVEN GOT A LINE ON A COUPLE OF NEW SOFTWARE COMPANIES WHO ADVERTISE THROUGH THEM. IF YOU ARE INTERESTED IN JOINING THIS USER GROUP, JUST SEND \$3.50 (U.S. FUNDS), FOR BACK ISSUES THROUGH DECEMBER TO:

KEVIN O'NEILL
 NIAGARA REGIONAL B.U.G.
 6 WOOD-DALE DRIVE
 ST. CATHARINES, ONTARIO
 CANADA L2T 1Y8

I'D LIKE TO SAY SOMETHING TO ALL OF THE OUT-OF-STATERS THAT CAME TO OUR HOUSE FOR THE ASTRO-BASH. WE NOT ONLY ENJOYED EVERY MINUTE OF YOUR STAY, BUT WE ALSO HOPE YOU'LL ALL BE BACK WITH US NEXT YEAR! DON & I BOTH HAD AN ABSOLUTE BALL WITH EVERYONE! I'LL ADMIT THAT IT SOMETIMES GOT A LITTLE CRAZY, BUT I'D DO IT AGAIN TOMORROW. IN FACT, WE'RE ALREADY LOOKING FORWARD TO NEXT YEAR!!!!

YOU REALLY CAN'T BELIEVE SOME OF THE THINGS THAT WENT ON AROUND HERE AT THAT TIME. IMAGINE POOR, INNOCENT MIKE TOTH, SITTING AT THE KITCHEN TABLE, CATCHING A RAW DONUT THAT ACCIDENTALLY FLEW ACROSS THE ROOM & LANDED ON HIS BODY. IT WAS EVEN FUNNIER WHEN HE TOLD ME HE PREFERRED IT COOKED, AS HE SAT THERE WITH THE DONUT ON HIS FINGER. IT WAS BAD

ENOUGH THAT I ACCIDENTALLY EMBARRASSED HIM IN FRONT OF EVERYONE WHEN HE FIRST WALKED INTO THE HOUSE, BY MAKING A BACKWARD REMARK ABOUT HIS NEW HAIRCUT. I DIDN'T HAVE TO THROW THINGS AT HIM TOO. THE WORST PART IS THAT MARION NALEPA WAS WITH HIM DURING BOTH EVENTS, AND WON'T LET HIM FORGET EITHER ONE.

ANOTHER CRAZY HAPPENING WAS WHEN RUSTY & DALE (FROM R&L) STOOD IN THE KITCHEN, ROCKING ON THEIR HEELS, GOING AROUND IN CIRCLES. AT FIRST, I THOUGHT I'D HAD ONE TOO MANY CUPS OF COFFEE. I WAS EVEN TOO EMBARRASSED TO ASK WHY THE ROOM WAS SPINNING. EVENTUALLY, I REALIZED IT WAS THOSE ONE OF OUR MORE CONCERNED MOMENTS WAS WHEN I WAS ASKED AT THE LAST MINUTE, TO MAKE SOME CASSETTE LABELS FOR A NEW GAME. THE PROBLEM WAS THAT THE 'L' ON MY TYPEWRITER HAD BROKEN OFF A FEW DAYS BEFORE. CAN YOU IMAGINE TRYING TO TYPE A LABEL FOR THE GAME 'GOLF' BY 'KEN LILL' WITHOUT AN 'L'!?! GEORGE MOSES HAD ONE GOOD IDEA, JUST PRINT 'GOWF' BY 'KEN WIWW'!!! THANK GOODNESS I HAVE A BUSINESS CARD MACHINE. IT HAS 'L'S IN EVERY SHAPE AND FORM.

DID YOU EVER GO 36 HOURS WITHOUT ANY SLEEP AND NOT BE ABLE TO GO ANOTHER MINUTE? WELL, POOR RUSTY AND DALE HAD JUST THAT PROBLEM. AFTER A FEW HOURS SATURDAY, THEY ABSOLUTELY HAD TO HAVE A NAP. WE FIGURED THAT WITH ALL OF THE PEOPLE IN AND OUT, IT WOULD BE BETTER IF THEY TOOK A NAP IN OUR VAN (IT HAS A BED IN IT).

THE GUYS HAD BEEN OUT THERE A LITTLE OVER AN HOUR WHEN THE INEVITABLE HAPPENED - OUR KIDS WANTED TO SHOW OFF THE VAN. CAN YOU IMAGINE BEING SOUND ASLEEP IN A STRANGE VAN, IN A STRANGE TOWN, AND HAVING 5 STRANGE LITTLE KIDS OPENING THE SLIDING DOOR AND STARTING TO CLIMB IN WITH YOU? NEXT TIME GUYS, LOCK THE DOORS!!!

OR...YOU JUST GET YOUR 3 KIDS ALL SETTLED DOWN TO BED, AS KEN AND JOAN LILL HAD, ONLY TO HAVE A HANGING FLUORESCENT LIGHT CRASH TO THE FLOOR IN THE NEXT ROOM.

OR...AS SOON AS YOU GET YOUR POP-UP CAMPER ALL SET UP, AS LEROY AND LOIS FLAMM HAD, FIND OUT THAT YOUR HEATER VALVE IS BROKEN? THANK GOODNESS KEN LILL KNEW HOW TO FIX IT, IT GOT CLOSE TO FREEZING THAT NITE.

OF COURSE THERE WAS THE BEAUTIFUL HOT AIR BALLOONS IN THE AIR AT 7:30 AM, WHEN BOB PEASE & I TOOK MY SON TO WORK. THEY WERE NICE TO SEE.

YOU SEE, WE REALLY WILL NEVER FORGET THAT WEEKEND, AND HOPE THERE WILL BE MANY MORE. ANY OF YOU WHO WANT TO JOIN US CRAZY PEOPLE NEXT YEAR, FEEL FREE - WE'LL FIND ROOM FOR EVERYONE. THE MORE THE MERRIER!

REMEMBER...THE RISK WILL BE YOURS!

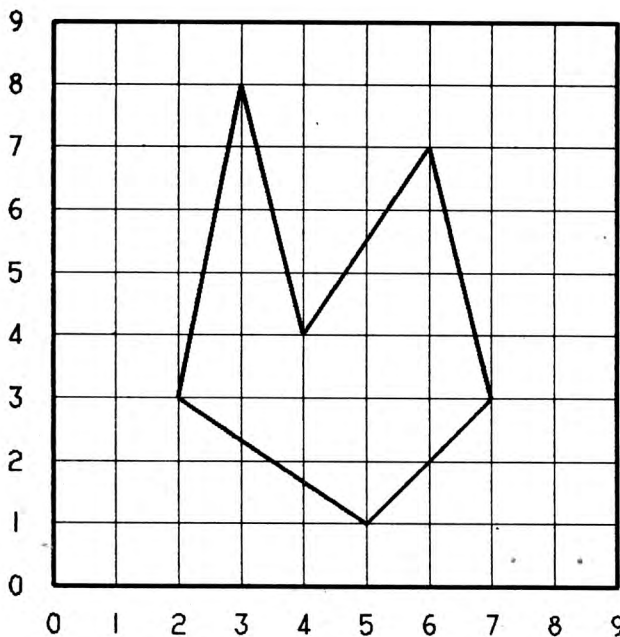


Bug Puzzle #5 --- Where am I ?

There are many times, when working with graphics in a computer program, that the program (or the programmer) must make decisions about where something is in relation to something else. This is a difficult prospect in programming, since the only information that can be used to make these decisions are the data in the program itself. For example, I may know that there is a BOX at (30,30) that is 20 pixels wide and 10 pixels high. but it is a relatively difficult task for the program to decide whether a CIRCLE at (35,15) with a radius of 30 will be totally outside, or partially outside the box.

Making a computer program "See" the items within it is one of the most interesting parts of graphics programming. And it is from the very wide range of problems in this area that I have taken this programming puzzle.

You are given a set of (x,y) coordinates, which when connected by lines form a polygon (a many-sided geometric figure) such as the one shown here:



PRIZE:
ASTROBUGS
CLUB TAPE
#3
(AVAILABLE IN
JANUARY.)

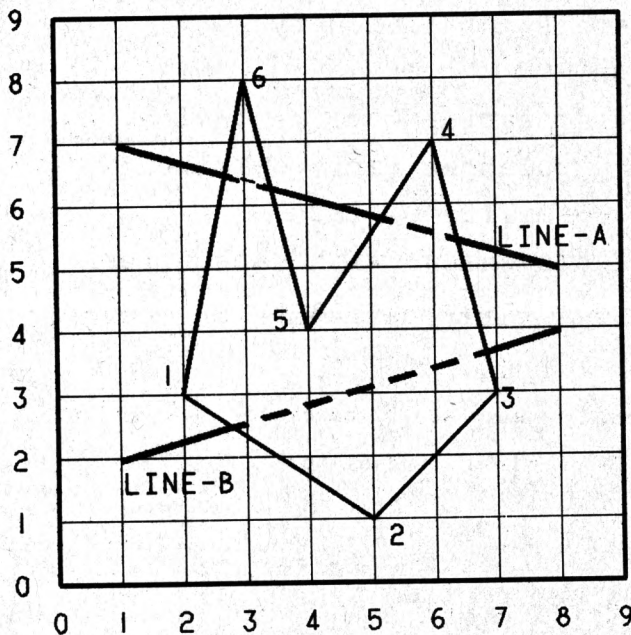
The polygon is formed by connecting point 1 to point 2, point 2 to point 3, etc. , and finally connected the last point to the first point in the set.

Also Given is a set of lines described by there end-points.

The program required will do the following:

- 1) The program will draw the given polygon on the screen.
- 2) The program will draw the given lines on the screen. But, the portions of the lines that are "outside" the polygon must be drawn as normal lines, while the portions of the lines that lie "inside" the polygon must be drawn with every other pixel missing (appearing as a dotted or dashed line).

An example of how this should look is shown in the figure below.



POINTS

- 1 - (2,3)
- 2 - (5,1)
- 3 - (7,3)
- 4 - (6,7)
- 5 - (4,4)
- 6 - (3,8)

LINES

- A - FROM (1,7) TO (8,5)
- B - FROM (1,2) TO (8,4)



AND... HAPPY NEW YEAR! FROM ALL

MRS. CANDYMAN

CARTRIDGE






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