DEAR MR. FABRIS,

SORRY, IN THE LISTING I SENT YOU IN JULY FOR "TRAP SHOOT #3" THERE ARE TWO MISTAKES. LINE 38 SHOULD START WITH "LINE X+4, Y+8, 1; ..." INSTEAD OF "LINE X+14, Y+81; ...". SECOND, LINE 370 SHOULD BE:

"LINE 0, 30, 2; LINE N, 0, 2; LINE N+5, 6, 1; LINE N+10, 8, 1;
LINE N+15, 6, 1; LINE N+20, 1, 1; LINE N+10, 0, 1; BOX N+5, 4, 2, 2, 1 "

THE UNDERLINED PART WAS LEFT OUT OF THAT LISTING. HOPEFULLY, YOU DIDN'T NEED TO RELY ON THE LISTING ANYWAY.

My SECOND REASON FOR WRITING IS TO PASS ALONG WHAT I'VE LEARNED (FOR WHAT IT'S WORTH) WHILE REWRITING THE TRAP SHOOT PROGRAM TO SEE IF I COULD SAVE BYTES. IF YOU FIND ME REINVENTING THE WHEEL IN THESE OBSERVATIONS, FEEL FREE TO PUT THIS LETTER IN THE NEAREST ROUND FILE.

FIRST: (THESE OBSERVATIONS ARE BASED ON AB) BY PUTTING ALL SUBROUTINES IN LINES 2 TO 25 I WAS ABLE TO SAVE BYTES. REASON - WHILE A LINE NUMBER (AS A LINE NUMBER) USES 3 BYTES WEATHER IT'S A 1, 2, 3, OR 4 DIGIT NUMBER, WHEN YOU WRITE A LINE NUMBER IN THE TEXT AS IN A GOTO OR GOSUB, THAT NUMBER TAKES AS MANY BYTES AS THERE ARE DIGITS. IN TEXT, "GOSUB 2", USES 2 BYTES (1 FOR THE COMMAND WORD AND 1 FOR THE DIGIT "2"); "GOSUB 257", USES 4 BYTES (1 FOR THE COMMAND WORD AND 1 EACH FOR THE 3 DIGITS).

SECOND: ASKING THE COMPUTER TO "PRINT SZ" CAN BE CONFUSING SINCE THE COMPUTER DOESN'T SEEM

TO DISTINGUISH BETWEEN UNUSED (BUT TRAPED) BYTES AND

BYTES LEFT TO PROGRAM WITH.

EXAMPLE   10 JOE PEOPLES

20 JOE PEOPLES

PRINT SZ

1772

10 [PRESS GO TO ERASE LINE 10]

LIST

20 JOE PEOPLES

PRINT SZ

1786

IN THIS EXAMPLE, SZ INCREASES BUT THE 14 BYTES

TRAPED BEFORE LINE 20 DON'T MOVE TO THE END OF USABLE MEMORY.

THIS CAN BE FRUSTRATING IF YOU'RE NEAR OR AT THE END OF A LONG

PROGRAM, SO YOU ASK THE COMPUTER TO PRINT SZ. YOU DETERMINE

THERE IS ENOUGH SZ TO FINISH THE PROGRAM AND ALLOW ROOM FOR

THE ARRAYS CALLED FOR IN THE PROGRAM. BUT, WHEN YOU RUN THE

PROGRAM AND GET TO LINE (WHATEVER) THAT USES ARRAY (WHATEVER)

THE COMPUTER SAYS SORRY, AND YOU'RE LEFT SCRATCHING YOUR HEAD

TRYING TO FIGURE OUT WHAT WENT WRONG. I KNOW!!

THIRD: I'VE TRIED THE FANCY LOADING, PRINTING DIRECTIONS,

SUCH AS THOSE BY STEVE WALTERS (ARCADIAN, VOL 3, 1980, P 20) AND

BY DAVE IBACH (ARCADIAN, VOL 3, 1980, P 24, 25), BUT I CAN'T GET

ANYWHERE WITH MY AB CARTAGE AND THESE PROGRAMS. IT MAY BE

THE DIFFERENCE BETWEEN AB & BB SINCE DAVE MENTIONS ON PAGE

24 NEAR THE BOTTOM THAT A PROGRAM STATEMENT NUMBER USES

"TWO MEMORY LOCATIONS". MY OWN EXPERIMENTS SHOW THAT A LINE NUMBER

USES 3 BYTES VEATHER IT'S A 1, 2, 3, OR 4 DIGIT NUMBER. ANYWAY,

HERE'S ANOTHER WAY?

AFTER THE PROGRAM IS ENTERED, RUN, DEBUGGED, PLAYED, ETC.

1) PRESS THE HALT KEY AND CONTINUE TO PRESS TO SCROLL

ANY IMMAGE OR TEXT OFF THE SCREEN

2) WITHOUT LINE NUMBERS (THUS WITHOUT USING MEMORY)

TYPE IN WHAT YOU WANT TO APPEAR ON THE TV SCREEN

WHEN THE PROGRAM IS LOADED FROM TAPE.

LIMIT TO 9 LINES OF 26 CHARACTERS PER LINE (THIS LEAVES

ONE LINE FOR THE PRINT COMMAND, AND THE SCREEN IMAGE WILL

SCROLL ONCE MORE WHEN YOU PRESS THE GO KEY). YOU MAY

USE NUMBERS IN THESE LINES AS LONG AS THEY AREN'T AT THE

BEGINNING OF A LINE. PRESS THE HALT KEY TO MOVE FROME

ONE LINE TO THE NEXT.

3) TYPE THE USUAL ":PRINT" AND WITH THE TAPE

RECORDER RECORDING PRESS "GO"

Sincerely,

Joseph F. Peoples (AWAITING THE AD UNDER)

310 SAIL FISH LANE

NEW PHILADELPHIA, OHIO
44663

P.S. I'VE INCLUDED THE NEW LISTING FOR TRAP SHOOT & TAPE TO

DEMONSTRATE WHAT'S ON THIS LAST PAGE. USE AS YOU WISH (CHEAPSKATES
LIKE ME ~~XXXXXX~~ WHO DON'T HAVE EXTENDED MEMORY MIGHT LIKE THIS
YET
SHORTER LISTING TO ALLOW FOR DEBUGGING & WASTING TRAPED BYTES) LAST VERSON
FROM ME PROMISE. COMMING SOON CRAZIE DICE.

JULY ISSUE OF ARCADIAN p93 line 40 should be IF V>32 V=32