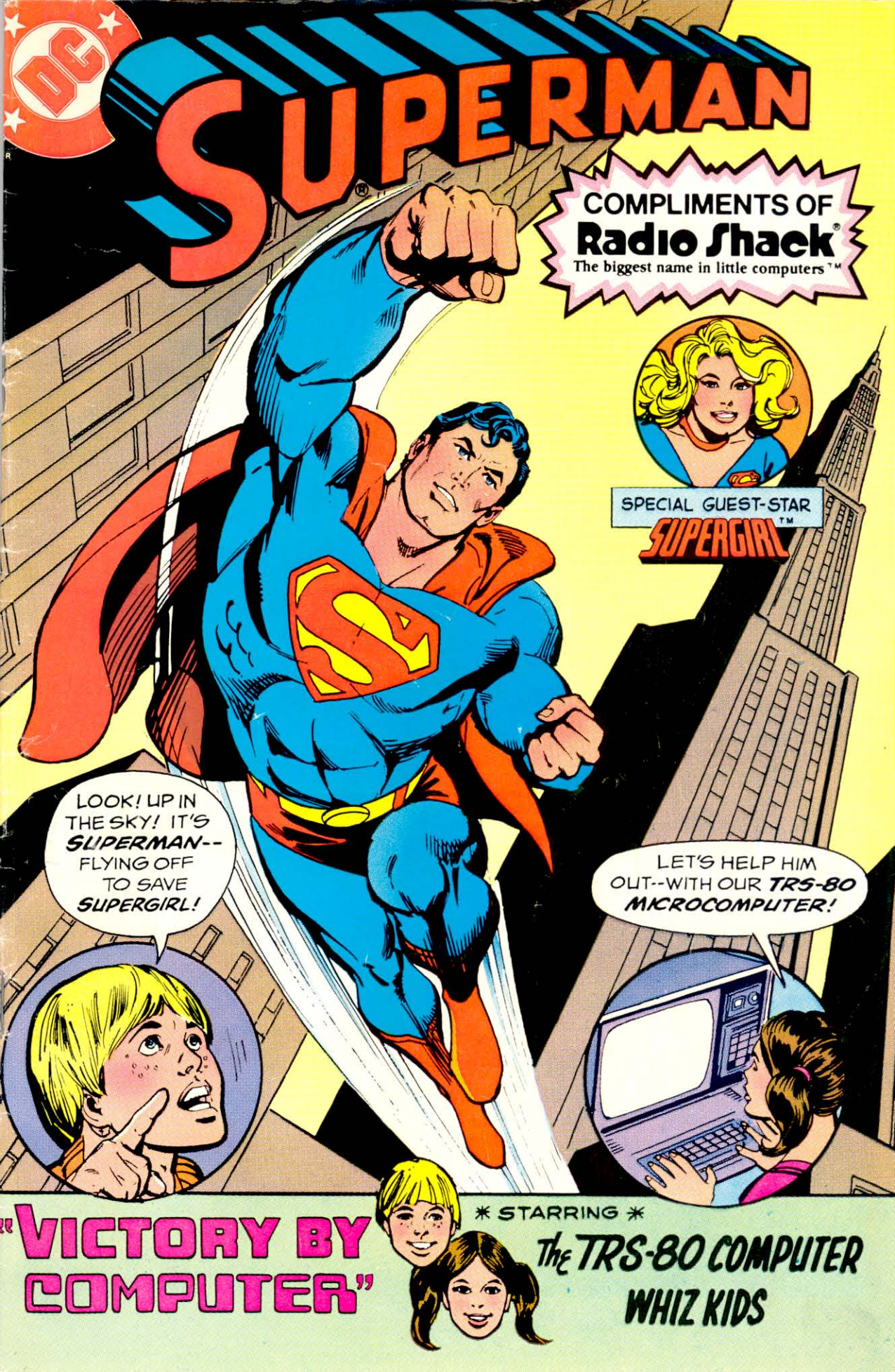
SUPERMAN
COMPLIMENTS OF
Radio Shack®
The biggest name in little computers™
SPECIAL GUEST-STAR
SUPERGIRL™
LOOK! UP IN THE SKY! IT'S SUPERMAN-- FLYING OFF TO SAVE SUPERGIRL!
LET'S HELP HIM OUT--WITH OUR TRS-80 MICROCOMPUTER!
"VICTORY BY COMPUTER"
* STARRING *
THE TRS-80 COMPUTER WHIZ KIDS

Prepare for Tomorrow With a Radio Shack TRS-80™ Color Computer Today!

Only $399

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Step into the exciting future world of computers right now with Radio Shack's versatile TRS-80 Color Computer! Just plug-in a Program Pak™ and you're set for thrilling electronic fun! Battle starships in outer space or challenge the computer at chess! And our Color Computer does much more than just play games. Mom and Dad can use it to keep track of family expenses. In fact, everyone will love discovering the many fascinating, helpful, and educational ways they can put their very own personal computer to work or play!

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The TRS-80 Color Computer attaches to any color TV, including our own 13" Color Video Receiver (#26-3010, $399). And with a pair of joysticks (#26-3008, $24.95) you can give faster, more realistic action to games and your own programs.

Start preparing for your future now with the Radio Shack TRS-80 Color Computer!

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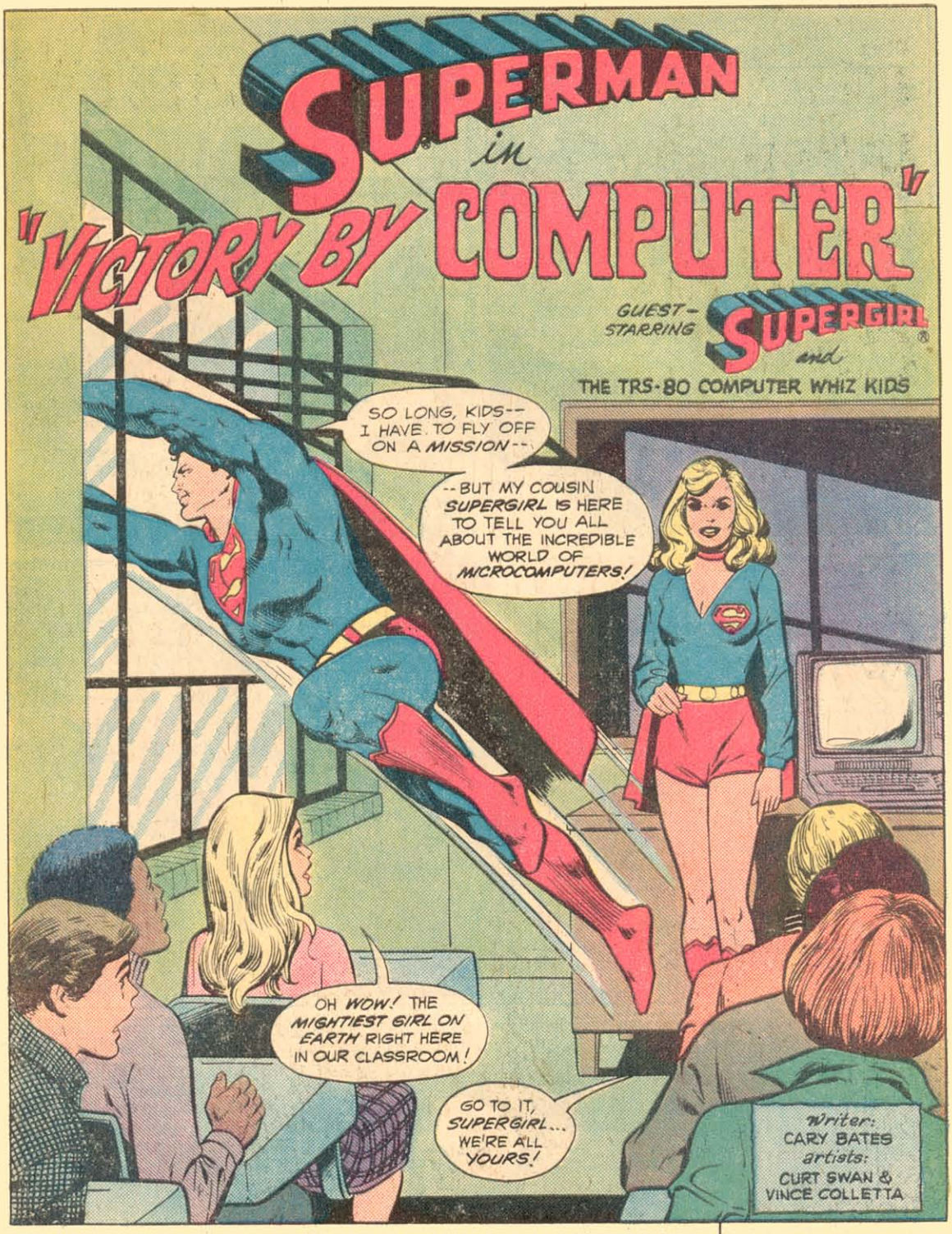

SUPERMAN IN "VICTORY BY COMPUTER" (1981 Edition) published by DC COMICS INC., 75 Rockefeller Plaza, New York, N.Y. 10019 for Radio Shack, a division of Tandy Corporation, One Tandy Center, Fort Worth, Texas 76102, U.S.A. Copyright © 1981 DC Comics Inc. All Rights Reserved. Nothing may be reprinted in whole or in part without written permission from the publisher. Supergirl, Superman, and Lex Luthor are trademarks of and copyrighted by DC Comics Inc.; Radio Shack, The Biggest Name in Little Computers, TRS-80, the TRS-80 Computer Whiz Kids and TRS-80 Videotex are trademarks of Radio Shack, a division of the Tandy Corporation. The stories, characters and incidents mentioned in this magazine are entirely fictional. No actual persons, living or dead, are intended or should be inferred. Printed in U.S.A.

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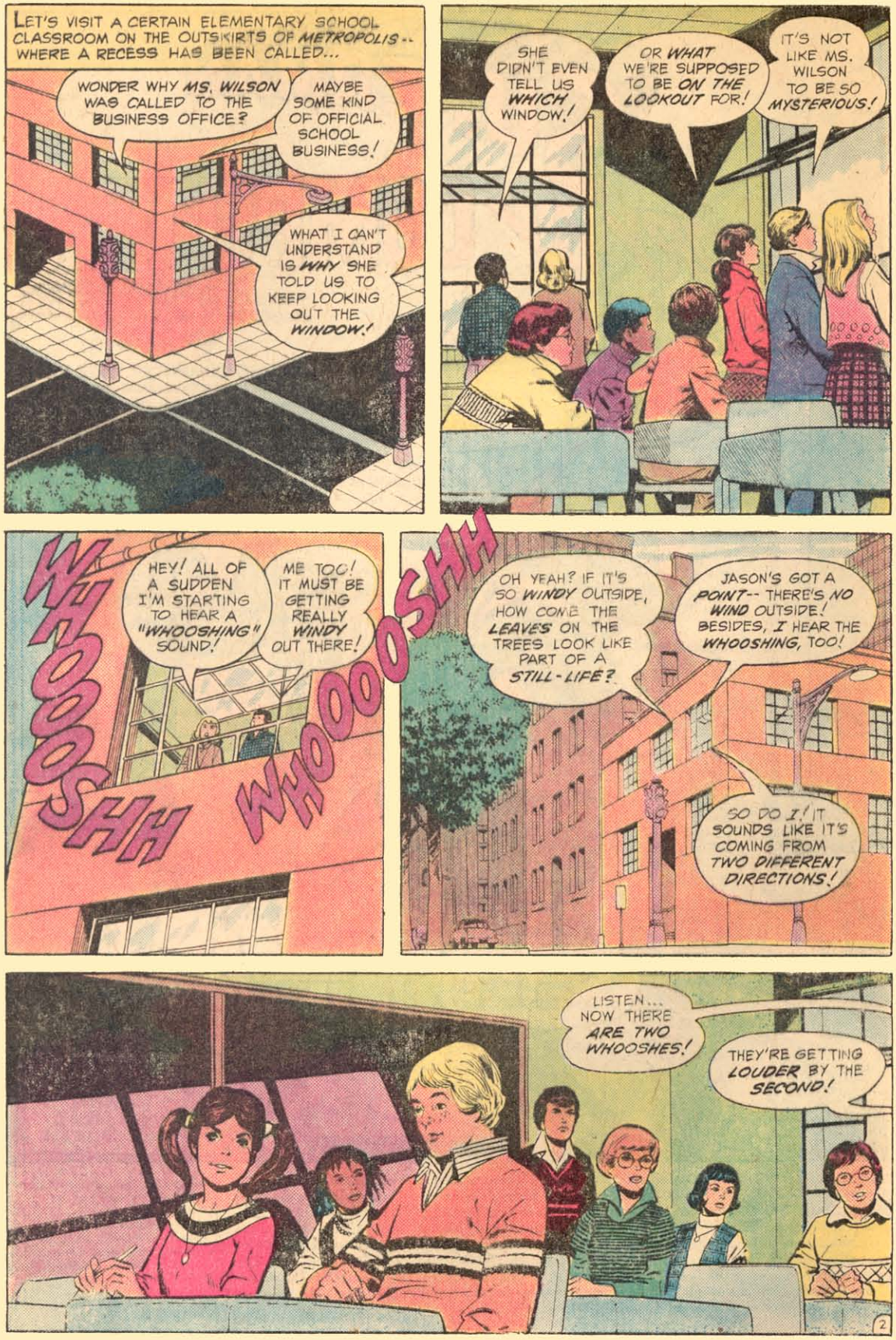
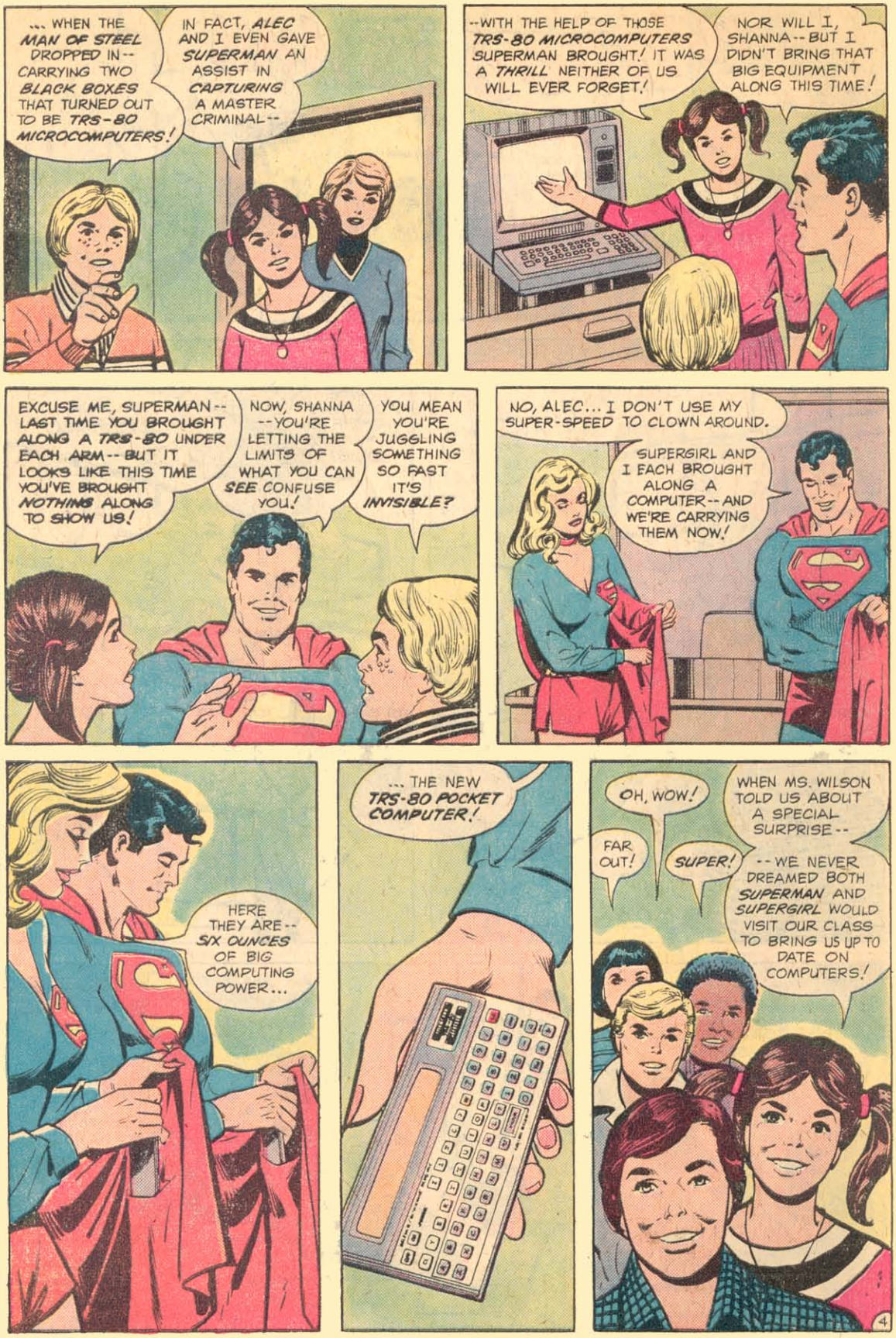

LET'S VISIT A CERTAIN ELEMENTARY SCHOOL CLASSROOM ON THE OUTSKIRTS OF METROPOLIS -- WHERE A RECESS HAS BEEN CALLED...
WONDER WHY MS. WILSON WAS CALLED TO THE BUSINESS OFFICE?
MAYBE SOME KIND OF OFFICIAL SCHOOL BUSINESS!
WHAT I CAN'T UNDERSTAND IS WHY SHE TOLD US TO KEEP LOOKING OUT THE WINDOW!
SHE DIDN'T EVEN TELL US WHICH WINDOW!
OR WHAT WE'RE SUPPOSED TO BE ON THE LOOKOUT FOR!
IT'S NOT LIKE MS. WILSON TO BE SO MYSTERIOUS!
WHOOOSHH
WHOOOSHH
HEY! ALL OF A SUDDEN I'M STARTING TO HEAR A "WHOOSHING" SOUND!
ME TOO! IT MUST BE GETTING REALLY WINDY OUT THERE!
OH YEAH? IF IT'S SO WINDY OUTSIDE, HOW COME THE LEAVES ON THE TREES LOOK LIKE PART OF A STILL-LIFE?
JASON'S GOT A POINT-- THERE'S NO WIND OUTSIDE! BESIDES, I HEAR THE WHOOSHING, TOO!
SO DO I! IT SOUNDS LIKE IT'S COMING FROM TWO DIFFERENT DIRECTIONS!
LISTEN... NOW THERE ARE TWO WHOOSHES!
THEY'RE GETTING LOUDER BY THE SECOND!
2

WHOOOOOSHHH
GOLLY! I DON'T BELIEVE WHAT I'M SEEING!
GET BACK, EVERYBODY-- GIVE HIM ROOM!
GIVE WHO ROOM?
SUPERMAN, THAT'S WHO!
WAIT! THAT'S NOT ALL! REMEMBER THE OTHER "WHOOSH" WE WERE HEARING? WELL, TAKE A DEEP BREATH...
...'CAUSE LOOK WHO WHOOSH #2 TURNED OUT TO BE!
OH WOW! SUPERGIRL!
ISN'T THIS THE GREATEST? TWO SUPER-PEOPLE TOGETHER IN OUR CLASSROOM!
BUT WHAT'S SO SPECIAL ABOUT US? I DON'T GET IT!
THAT'S BECAUSE YOU WERE ABSENT THE LAST TIME MS. WILSON INVITED SUPERMAN TO VISIT US, MINDY...
3

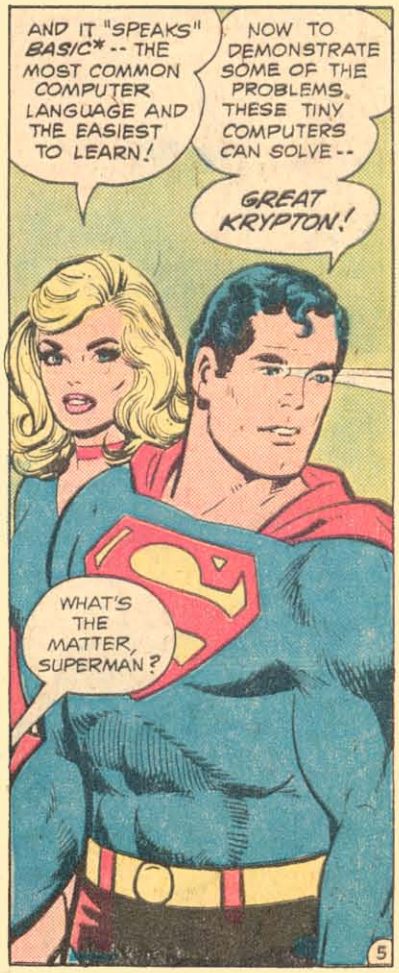

... WHEN THE MAN OF STEEL DROPPED IN -- CARRYING TWO BLACK BOXES THAT TURNED OUT TO BE TRS-80 MICROCOMPUTERS!
IN FACT, ALEC AND I EVEN GAVE SUPERMAN AN ASSIST IN CAPTURING A MASTER CRIMINAL --
--WITH THE HELP OF THOSE TRS-80 MICROCOMPUTERS SUPERMAN BROUGHT! IT WAS A THRILL NEITHER OF US WILL EVER FORGET!
NOR WILL I, SHANNA -- BUT I DIDN'T BRING THAT BIG EQUIPMENT ALONG THIS TIME!
EXCUSE ME, SUPERMAN -- LAST TIME YOU BROUGHT ALONG A TRS-80 UNDER EACH ARM -- BUT IT LOOKS LIKE THIS TIME YOU'VE BROUGHT NOTHING ALONG TO SHOW US!
NOW, SHANNA -- YOU'RE LETTING THE LIMITS OF WHAT YOU CAN SEE CONFUSE YOU!
YOU MEAN YOU'RE JUGGLING SOMETHING SO FAST IT'S INVISIBLE?
NO, ALEC... I DON'T USE MY SUPER-SPEED TO CLOWN AROUND.
SUPERGIRL AND I EACH BROUGHT ALONG A COMPUTER -- AND WE'RE CARRYING THEM NOW!
HERE THEY ARE -- SIX OUNCES OF BIG COMPUTING POWER...
... THE NEW TRS-80 POCKET COMPUTER!
OH, WOW!
FAR OUT!
SUPER!
WHEN MS. WILSON TOLD US ABOUT A SPECIAL SURPRISE --
-- WE NEVER DREAMED BOTH SUPERMAN AND SUPERGIRL WOULD VISIT OUR CLASS TO BRING US UP TO DATE ON COMPUTERS!
4

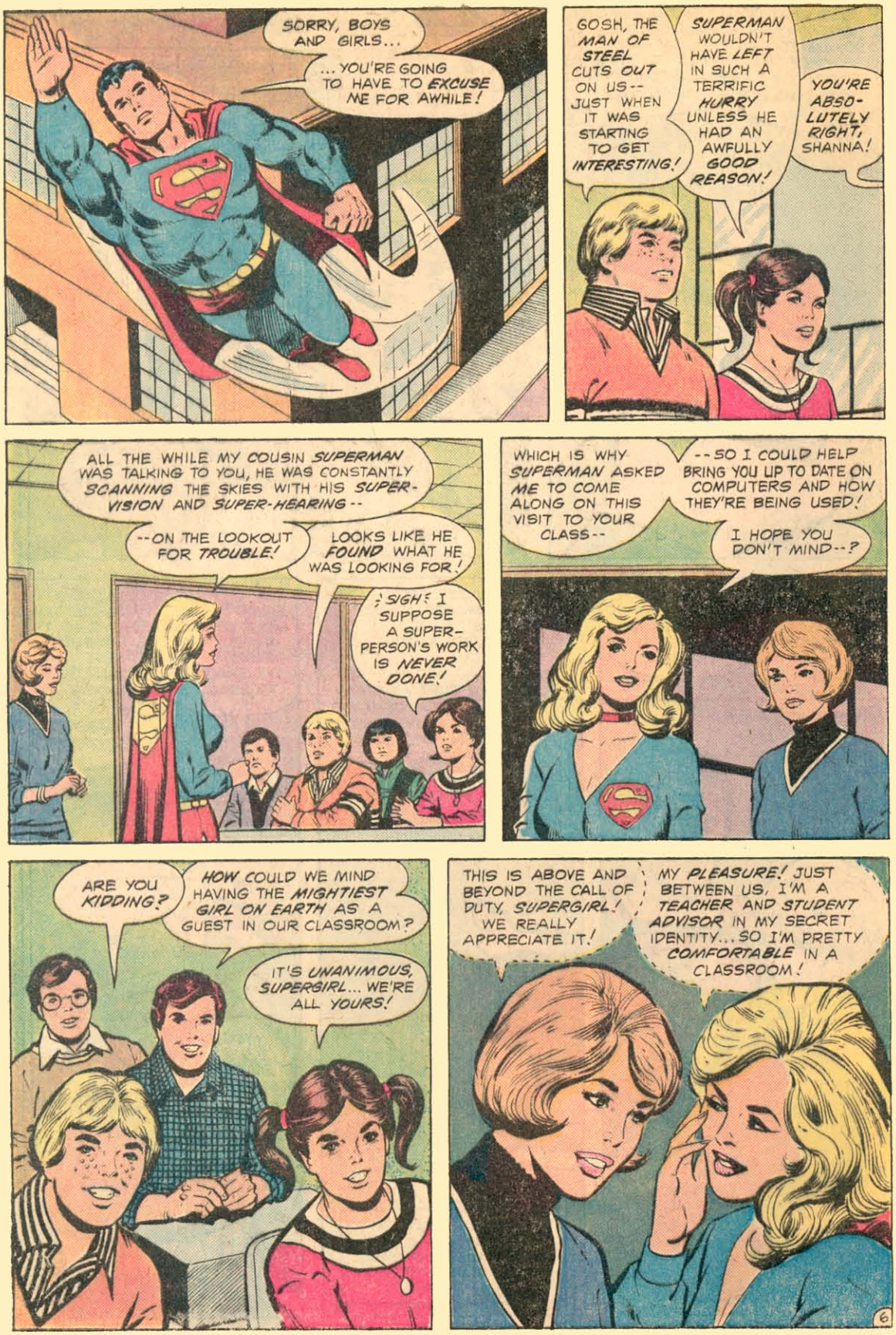
JUST WHAT CAN THAT SO-CALLED POCKET COMPUTER DO, SUPERMAN?
IT CAN DO ALMOST ANY OF THE SMALLER JOBS THE "TABLE-TOP" TRS-80 MICROCOMPUTER CAN DO!
5: INPUT B,C: A=1/(B+B+C+C)

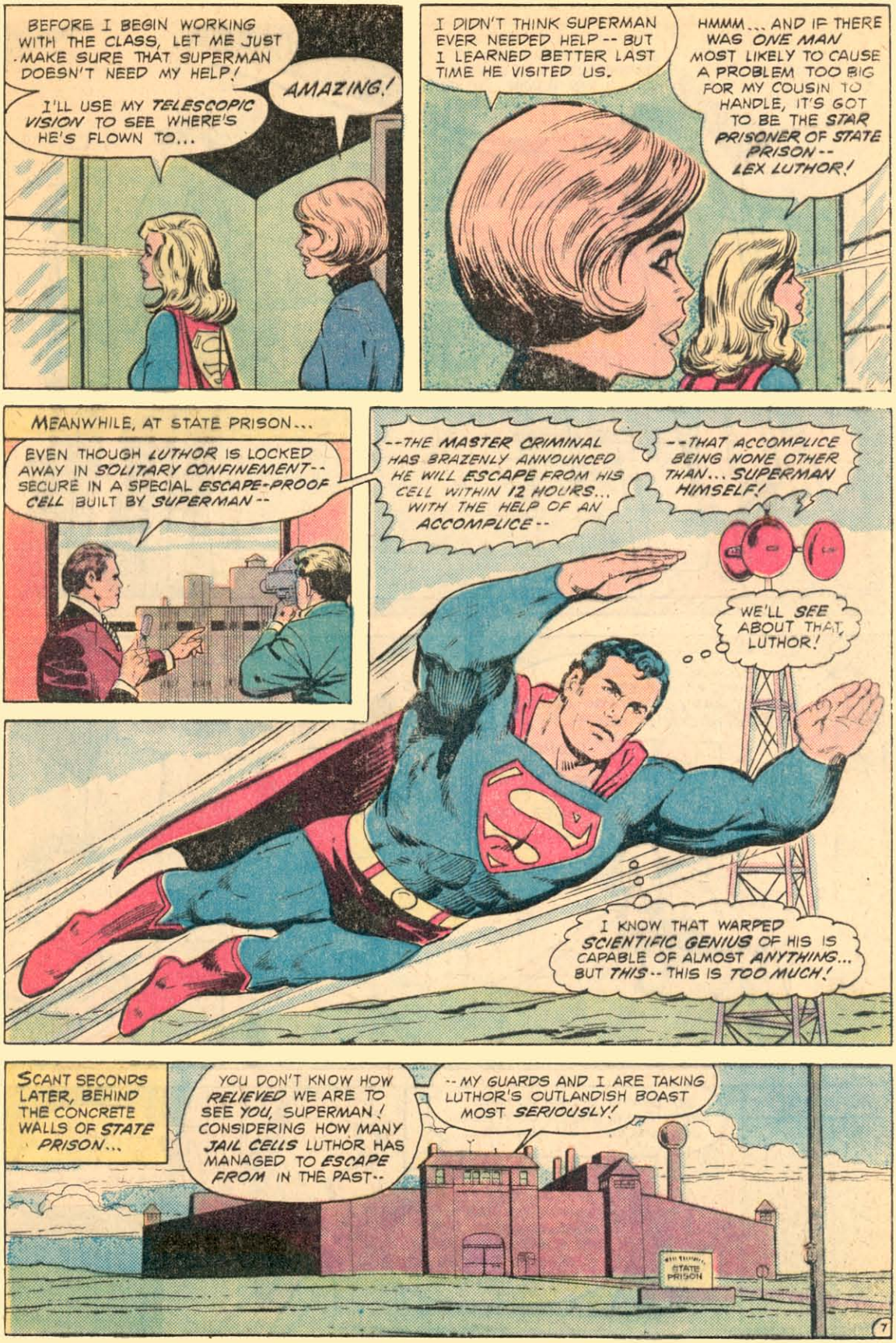
"... IT CAN SOLVE ABOUT AS MANY PROBLEMS AS THE OLD ROOM-SIZED COMPUTERS OF THE LATE 1940's!"

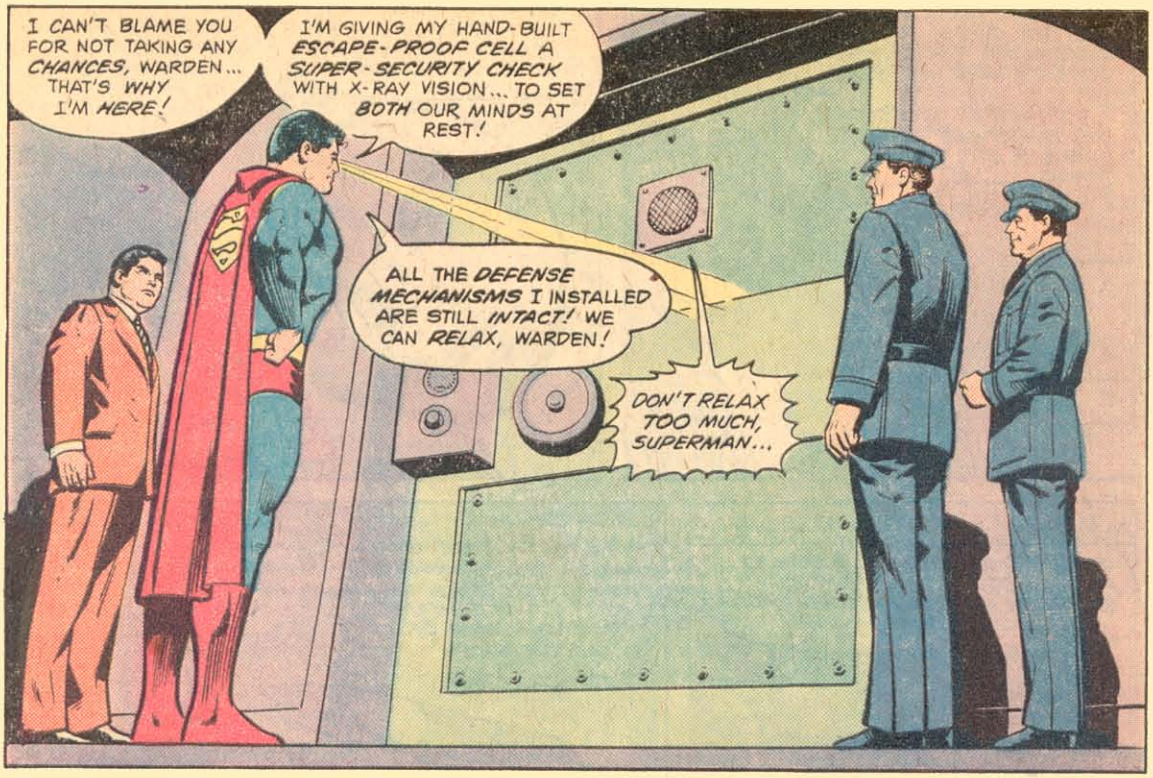
GOSH! THEY'RE HARDLY ANY BIGGER THAN A POCKET CALCULATOR!
YES, ALEC -- BUT THIS SUPER TRS-80 POCKET COMPUTER CAN DO FAR MORE!

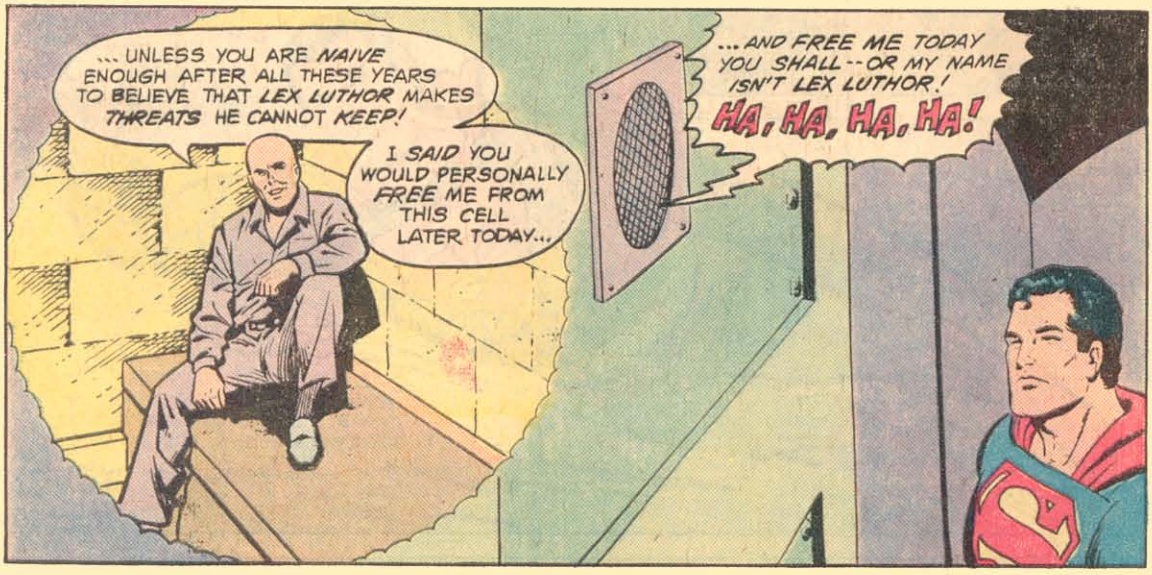
IT CAN ORGANIZE AND REMEMBER WORDS, ANALYZE INFORMATION, MAKE COMPARISONS... ALMOST INSTANTLY!
AND THEY'RE JUST AS EASY TO PROGRAM* AS THE LARGER TRS-80's!
*FOR A DEFINITION OF PROGRAM -- AND OTHER ASTERISK-MARKED TERMS -- SEE THE GLOSSARY ON THE LAST PAGE!

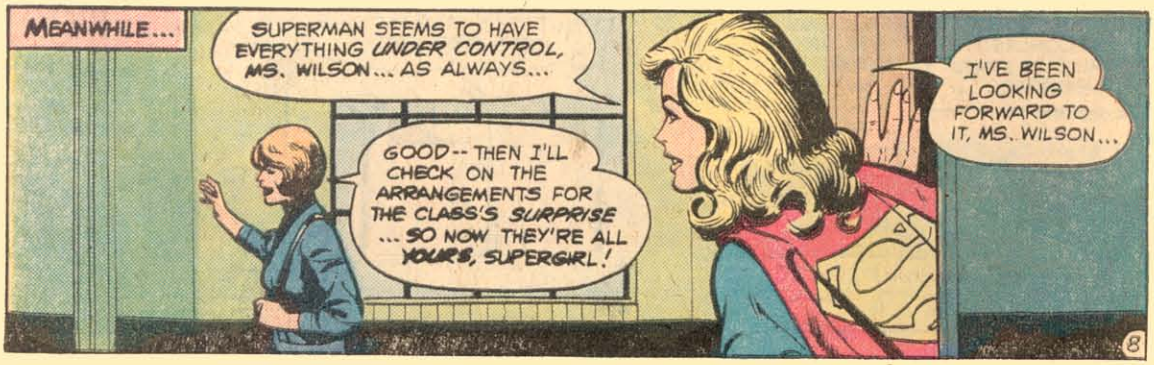

AND IT "SPEAKS" BASIC* -- THE MOST COMMON COMPUTER LANGUAGE AND THE EASIEST TO LEARN!
NOW TO DEMONSTRATE SOME OF THE PROBLEMS THESE TINY COMPUTERS CAN SOLVE --
GREAT KRYPTON!
WHAT'S THE MATTER, SUPERMAN?

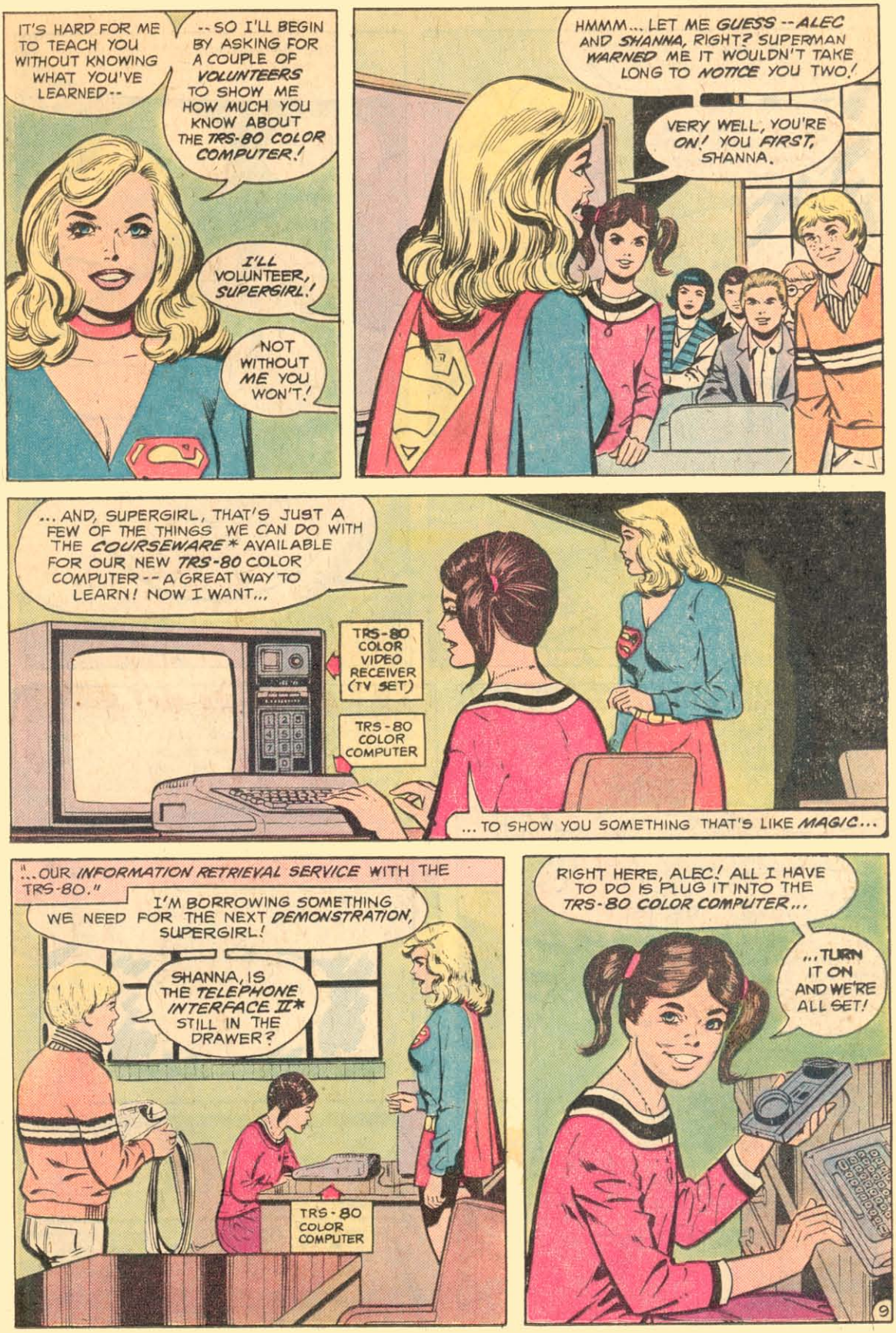

SORRY, BOYS AND GIRLS...
...YOU'RE GOING TO HAVE TO EXCUSE ME FOR AWHILE!
GOSH, THE MAN OF STEEL CUTS OUT ON US -- JUST WHEN IT WAS STARTING TO GET INTERESTING!
SUPERMAN WOULDN'T HAVE LEFT IN SUCH A TERRIFIC HURRY UNLESS HE HAD AN AWFULLY GOOD REASON!
YOU'RE ABSOLUTELY RIGHT, SHANNA!
ALL THE WHILE MY COUSIN SUPERMAN WAS TALKING TO YOU, HE WAS CONSTANTLY SCANNING THE SKIES WITH HIS SUPER-VISION AND SUPER-HEARING --
--ON THE LOOKOUT FOR TROUBLE!
LOOKS LIKE HE FOUND WHAT HE WAS LOOKING FOR!
SIGH! I SUPPOSE A SUPER-PERSON'S WORK IS NEVER DONE!
WHICH IS WHY SUPERMAN ASKED ME TO COME ALONG ON THIS VISIT TO YOUR CLASS --
--SO I COULD HELP BRING YOU UP TO DATE ON COMPUTERS AND HOW THEY'RE BEING USED!
I HOPE YOU DON'T MIND--?
ARE YOU KIDDING?
HOW COULD WE MIND HAVING THE MIGHTIEST GIRL ON EARTH AS A GUEST IN OUR CLASSROOM?
IT'S UNANIMOUS, SUPERGIRL... WE'RE ALL YOURS!
THIS IS ABOVE AND BEYOND THE CALL OF DUTY, SUPERGIRL! WE REALLY APPRECIATE IT!
MY PLEASURE! JUST BETWEEN US, I'M A TEACHER AND STUDENT ADVISOR IN MY SECRET IDENTITY... SO I'M PRETTY COMFORTABLE IN A CLASSROOM!
6


BEFORE I BEGIN WORKING WITH THE CLASS, LET ME JUST MAKE SURE THAT SUPERMAN DOESN'T NEED MY HELP!
I'LL USE MY TELESCOPIC VISION TO SEE WHERE'S HE'S FLOWN TO...
AMAZING!
I DIDN'T THINK SUPERMAN EVER NEEDED HELP -- BUT I LEARNED BETTER LAST TIME HE VISITED US.
HMMM... AND IF THERE WAS ONE MAN MOST LIKELY TO CAUSE A PROBLEM TOO BIG FOR MY COUSIN TO HANDLE, IT'S GOT TO BE THE STAR PRISONER OF STATE PRISON -- LEX LUTHOR!
MEANWHILE, AT STATE PRISON...
EVEN THOUGH LUTHOR IS LOCKED AWAY IN SOLITARY CONFINEMENT -- SECURE IN A SPECIAL ESCAPE-PROOF CELL BUILT BY SUPERMAN --
--THE MASTER CRIMINAL HAS BRAZENLY ANNOUNCED HE WILL ESCAPE FROM HIS CELL WITHIN 12 HOURS... WITH THE HELP OF AN ACCOMPLICE --
--THAT ACCOMPLICE BEING NONE OTHER THAN... SUPERMAN HIMSELF!
WE'LL SEE ABOUT THAT, LUTHOR!
I KNOW THAT WARPED SCIENTIFIC GENIUS OF HIS IS CAPABLE OF ALMOST ANYTHING... BUT THIS -- THIS IS TOO MUCH!
SCANT SECONDS LATER, BEHIND THE CONCRETE WALLS OF STATE PRISON...
YOU DON'T KNOW HOW RELIEVED WE ARE TO SEE YOU, SUPERMAN! CONSIDERING HOW MANY JAIL CELLS LUTHOR HAS MANAGED TO ESCAPE FROM IN THE PAST --
-- MY GUARDS AND I ARE TAKING LUTHOR'S OUTLANDISH BOAST MOST SERIOUSLY!
STATE PRISON
7

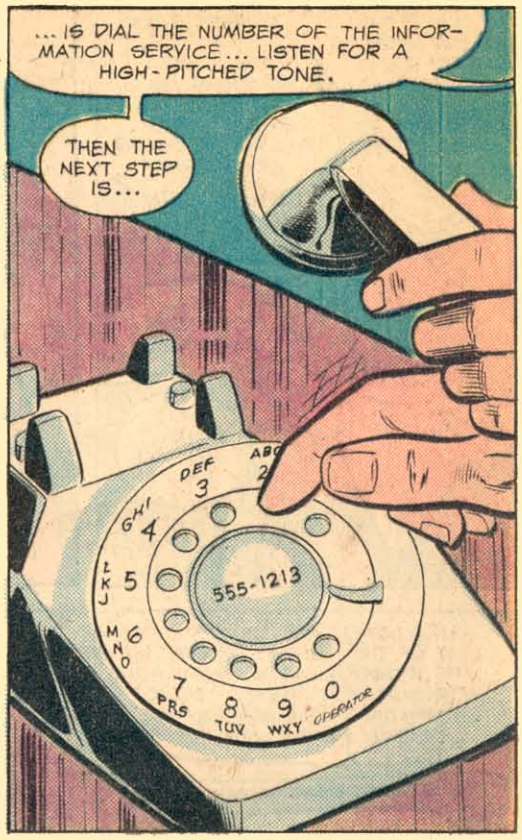

I CAN'T BLAME YOU FOR NOT TAKING ANY CHANCES, WARDEN... THAT'S WHY I'M HERE!
I'M GIVING MY HAND-BUILT ESCAPE-PROOF CELL A SUPER-SECURITY CHECK WITH X-RAY VISION... TO SET BOTH OUR MINDS AT REST!
ALL THE DEFENSE MECHANISMS I INSTALLED ARE STILL INTACT! WE CAN RELAX, WARDEN!
DON'T RELAX TOO MUCH, SUPERMAN...


... UNLESS YOU ARE NAIVE ENOUGH AFTER ALL THESE YEARS TO BELIEVE THAT LEX LUTHOR MAKES THREATS HE CANNOT KEEP!
I SAID YOU WOULD PERSONALLY FREE ME FROM THIS CELL LATER TODAY...
... AND FREE ME TODAY YOU SHALL -- OR MY NAME ISN'T LEX LUTHOR!
HA, HA, HA, HA!

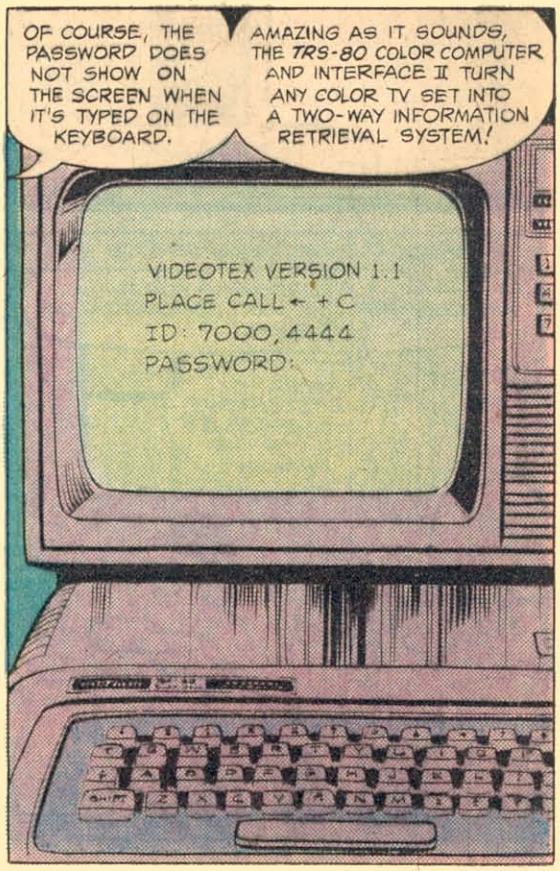

MEANWHILE...
SUPERMAN SEEMS TO HAVE EVERYTHING UNDER CONTROL, MS. WILSON... AS ALWAYS...
GOOD -- THEN I'LL CHECK ON THE ARRANGEMENTS FOR THE CLASS'S SURPRISE ... SO NOW THEY'RE ALL YOURS, SUPERGIRL!
I'VE BEEN LOOKING FORWARD TO IT, MS. WILSON...

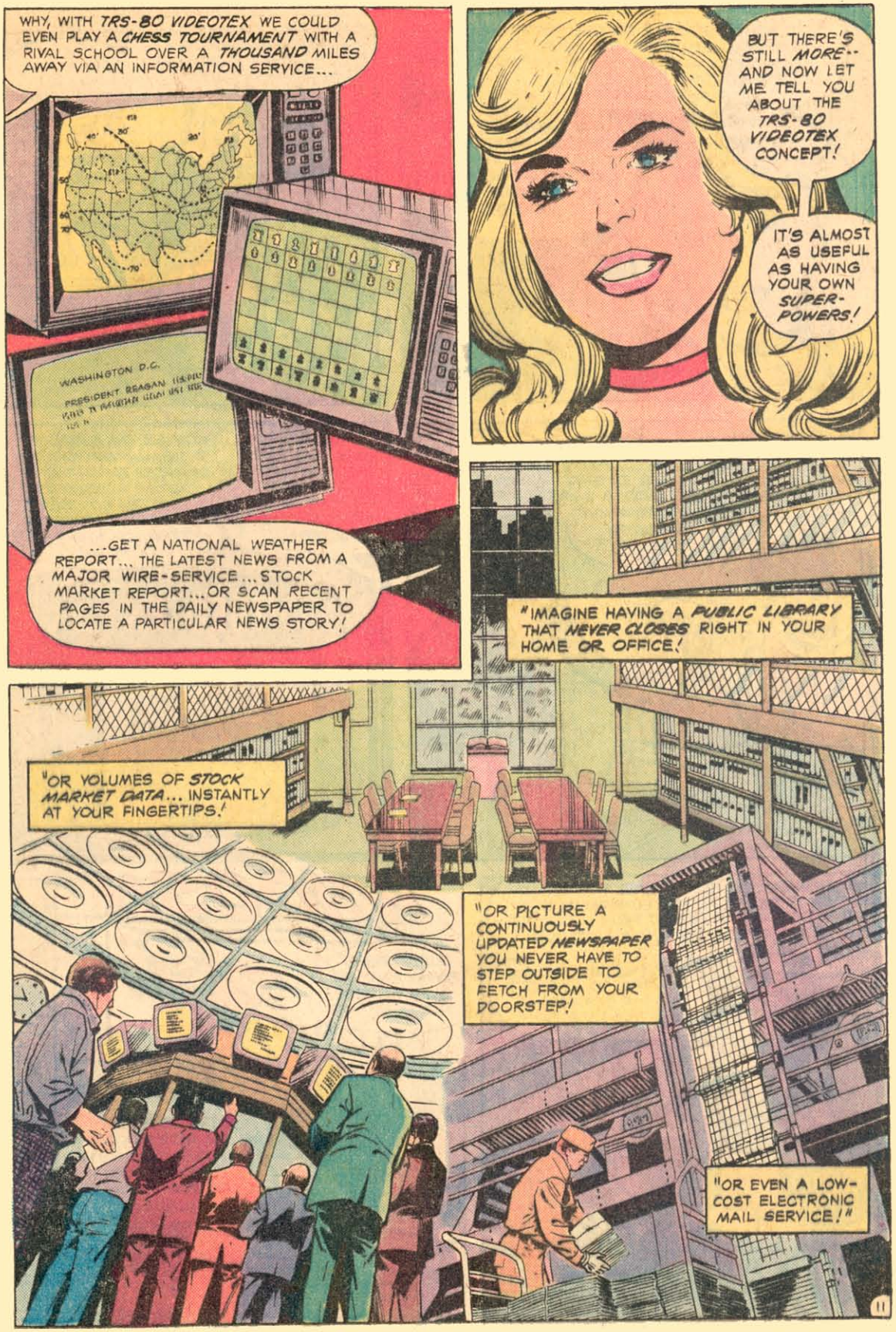

IT'S HARD FOR ME TO TEACH YOU WITHOUT KNOWING WHAT YOU'VE LEARNED--
--SO I'LL BEGIN BY ASKING FOR A COUPLE OF VOLUNTEERS TO SHOW ME HOW MUCH YOU KNOW ABOUT THE TRS-80 COLOR COMPUTER!
I'LL VOLUNTEER, SUPERGIRL!
NOT WITHOUT ME YOU WON'T!
HMMM... LET ME GUESS--ALEC AND SHANNA, RIGHT? SUPERMAN WARNED ME IT WOULDN'T TAKE LONG TO NOTICE YOU TWO!
VERY WELL, YOU'RE ON! YOU FIRST, SHANNA.
... AND, SUPERGIRL, THAT'S JUST A FEW OF THE THINGS WE CAN DO WITH THE COURSEWARE* AVAILABLE FOR OUR NEW TRS-80 COLOR COMPUTER--A GREAT WAY TO LEARN! NOW I WANT...
TRS-80 COLOR VIDEO RECEIVER (TV SET)
TRS-80 COLOR COMPUTER
... TO SHOW YOU SOMETHING THAT'S LIKE MAGIC...
"...OUR INFORMATION RETRIEVAL SERVICE WITH THE TRS-80."
I'M BORROWING SOMETHING WE NEED FOR THE NEXT DEMONSTRATION, SUPERGIRL!
SHANNA, IS THE TELEPHONE INTERFACE II* STILL IN THE DRAWER?
TRS-80 COLOR COMPUTER
RIGHT HERE, ALEC! ALL I HAVE TO DO IS PLUG IT INTO THE TRS-80 COLOR COMPUTER...
...TURN IT ON AND WE'RE ALL SET!
9

ALL SET FOR WHAT?-- IF YOU DON'T MIND TELLING THE REST OF THE CLASS!
I KNOW THE ANSWER... BUT LET'S SEE IF THE COMPUTER WHIZ KIDS DO!
SEE...THE SCREEN SHOWS "VIDEOTEX VERSION 1.1" AFTER IT'S TURNED ON. NOW, YOU PRESS THE "BREAK" KEY AND WATCH FOR "PLACE CALL". WHAT NEXT, ALEC?
ALL YOU HAVE TO DO...

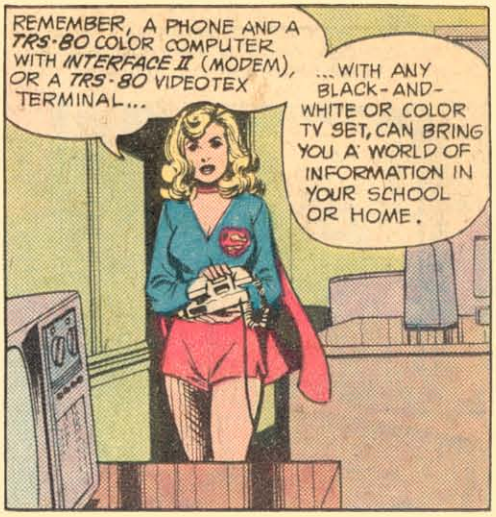

...IS DIAL THE NUMBER OF THE INFORMATION SERVICE... LISTEN FOR A HIGH-PITCHED TONE.
THEN THE NEXT STEP IS...
555-1213

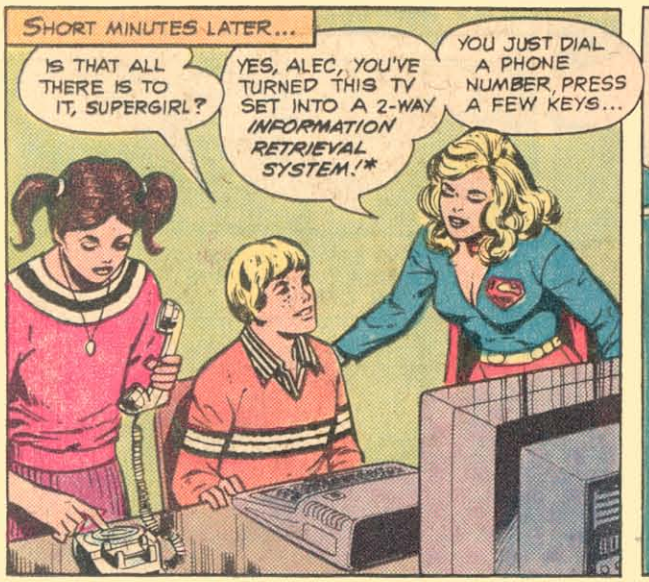
...PLACE THE RECEIVER IN THE MODEM* (INTERFACE II). THEN THE COMPUTER WILL ASK FOR YOUR I.D.
AFTER TYPING IN YOUR I.D. NUMBER AND "PASSWORD," YOU TYPE IN THE PLACE OR NUMBER, AND ASK FOR THE INFORMATION YOU NEED.


OF COURSE, THE PASSWORD DOES NOT SHOW ON THE SCREEN WHEN IT'S TYPED ON THE KEYBOARD.
AMAZING AS IT SOUNDS, THE TRS-80 COLOR COMPUTER AND INTERFACE II TURN ANY COLOR TV SET INTO A TWO-WAY INFORMATION RETRIEVAL SYSTEM!
VIDEOTEX VERSION 1.1
PLACE CALL← + C
ID: 7000,4444
PASSWORD:

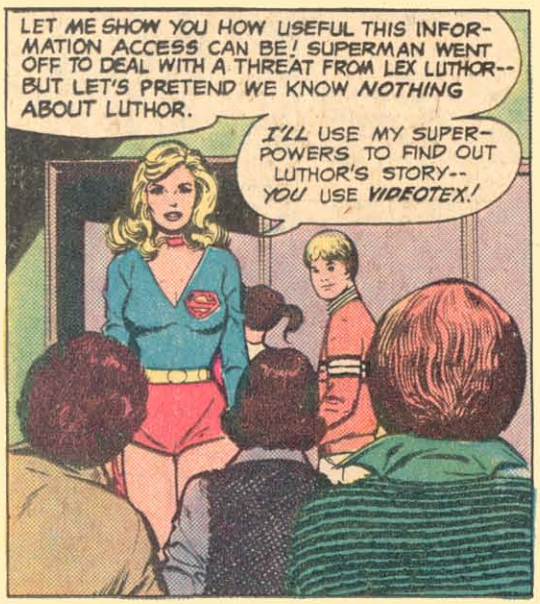

WHY, WITH TRS-80 VIDEOTEX WE COULD EVEN PLAY A CHESS TOURNAMENT WITH A RIVAL SCHOOL OVER A THOUSAND MILES AWAY VIA AN INFORMATION SERVICE...
WASHINGTON D.C.
...GET A NATIONAL WEATHER REPORT... THE LATEST NEWS FROM A MAJOR WIRE-SERVICE... STOCK MARKET REPORT... OR SCAN RECENT PAGES IN THE DAILY NEWSPAPER TO LOCATE A PARTICULAR NEWS STORY!
BUT THERE'S STILL MORE-- AND NOW LET ME TELL YOU ABOUT THE TRS-80 VIDEOTEX CONCEPT!
IT'S ALMOST AS USEFUL AS HAVING YOUR OWN SUPER-POWERS!
"IMAGINE HAVING A PUBLIC LIBRARY THAT NEVER CLOSES RIGHT IN YOUR HOME OR OFFICE!
"OR VOLUMES OF STOCK MARKET DATA... INSTANTLY AT YOUR FINGERTIPS!
"OR PICTURE A CONTINUOUSLY UPDATED NEWSPAPER YOU NEVER HAVE TO STEP OUTSIDE TO FETCH FROM YOUR DOORSTEP!
"OR EVEN A LOW-COST ELECTRONIC MAIL SERVICE!"

AND YOU'LL BE ABLE TO USE INFORMATION RETRIEVAL SYSTEMS LIKE VIDEOTEX TO DO BANKING... ELECTRONIC SHOPPING... MAKE RESERVATIONS FOR TRAVEL OR ENTERTAINMENT...
... AS MORE AND MORE SERVICES BECOME LINKED TO YOUR OWN LIVING ROOMS BY COMPUTER IN THE NEXT FEW YEARS!

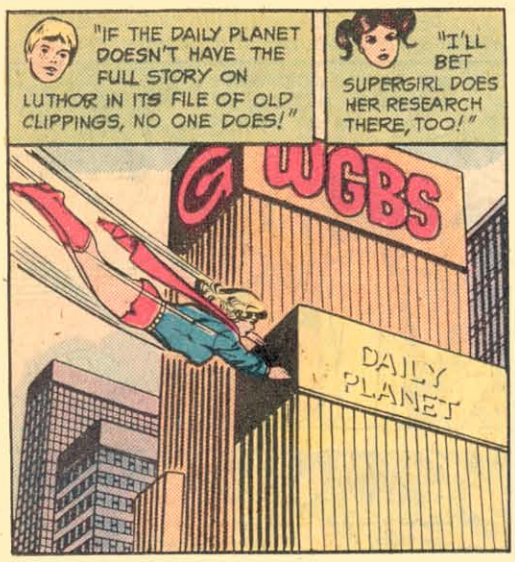

REMEMBER, A PHONE AND A TRS-80 COLOR COMPUTER WITH INTERFACE II (MODEM), OR A TRS-80 VIDEOTEX TERMINAL...
...WITH ANY BLACK-AND-WHITE OR COLOR TV SET, CAN BRING YOU A WORLD OF INFORMATION IN YOUR SCHOOL OR HOME.

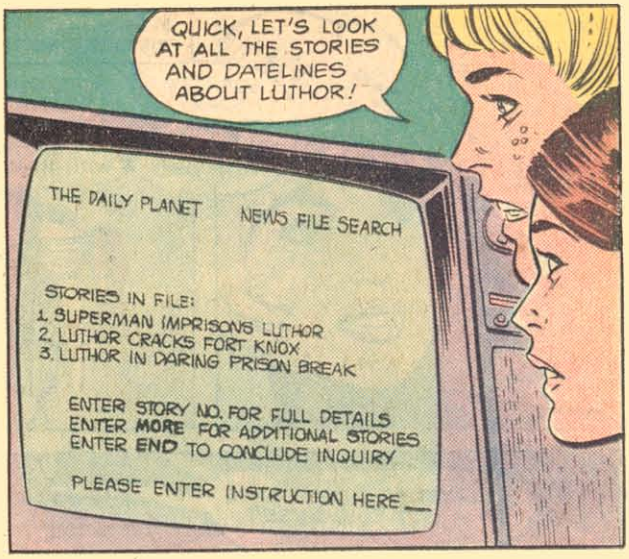

SHORT MINUTES LATER...
IS THAT ALL THERE IS TO IT, SUPERGIRL?
YES, ALEC, YOU'VE TURNED THIS TV SET INTO A 2-WAY INFORMATION RETRIEVAL SYSTEM!*
YOU JUST DIAL A PHONE NUMBER, PRESS A FEW KEYS...

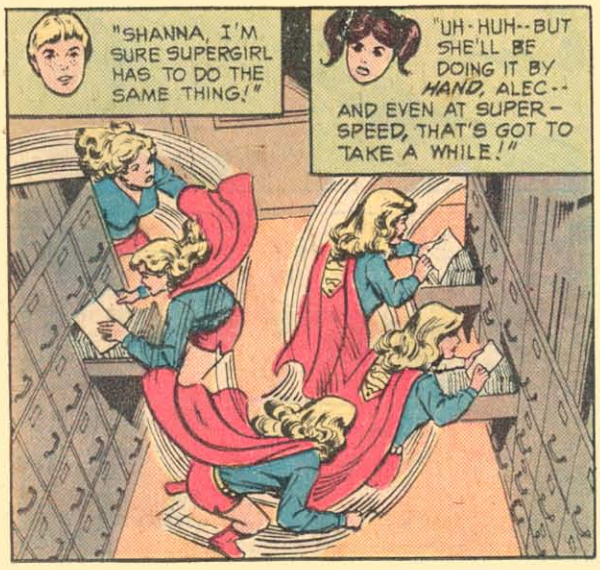
...AND THEN SIT BACK AND WATCH THE DESIRED DATA APPEAR ON YOUR TV OR PERSONAL COMPUTER SCREEN!
NOW WE CAN SUBSCRIBE TO THE MANY INFORMATION SERVICES WHICH THEN PERMIT ACCESS TO THE TRS-80 COLOR COMPUTER OR VIDEOTEX SYSTEM FOR INFORMATION RETRIEVAL!
VIDEOTEX
SPECIAL NEWS REPORT
WASHINGTON -- NEW PROGRAMS UNDER WAY EXPECTED TO SET NATION ON NEW ECONOMIC COURSE


LET ME SHOW YOU HOW USEFUL THIS INFORMATION ACCESS CAN BE! SUPERMAN WENT OFF TO DEAL WITH A THREAT FROM LEX LUTHOR-- BUT LET'S PRETEND WE KNOW NOTHING ABOUT LUTHOR.
I'LL USE MY SUPER-POWERS TO FIND OUT LUTHOR'S STORY-- YOU USE VIDEOTEX!

WHOOSH
SUPERGIRL'S FLYING AWAY AT SUPER-SPEED! HURRY, SHANNA!
I'VE TYPED IN THE ACCESS CODE FOR INFORMATION RETRIEVAL FROM THE DAILY PLANET, ALEC!


"IF THE DAILY PLANET DOESN'T HAVE THE FULL STORY ON LUTHOR IN ITS FILE OF OLD CLIPPINGS, NO ONE DOES!"
"I'LL BET SUPERGIRL DOES HER RESEARCH THERE, TOO!"
WGBS
DAILY PLANET

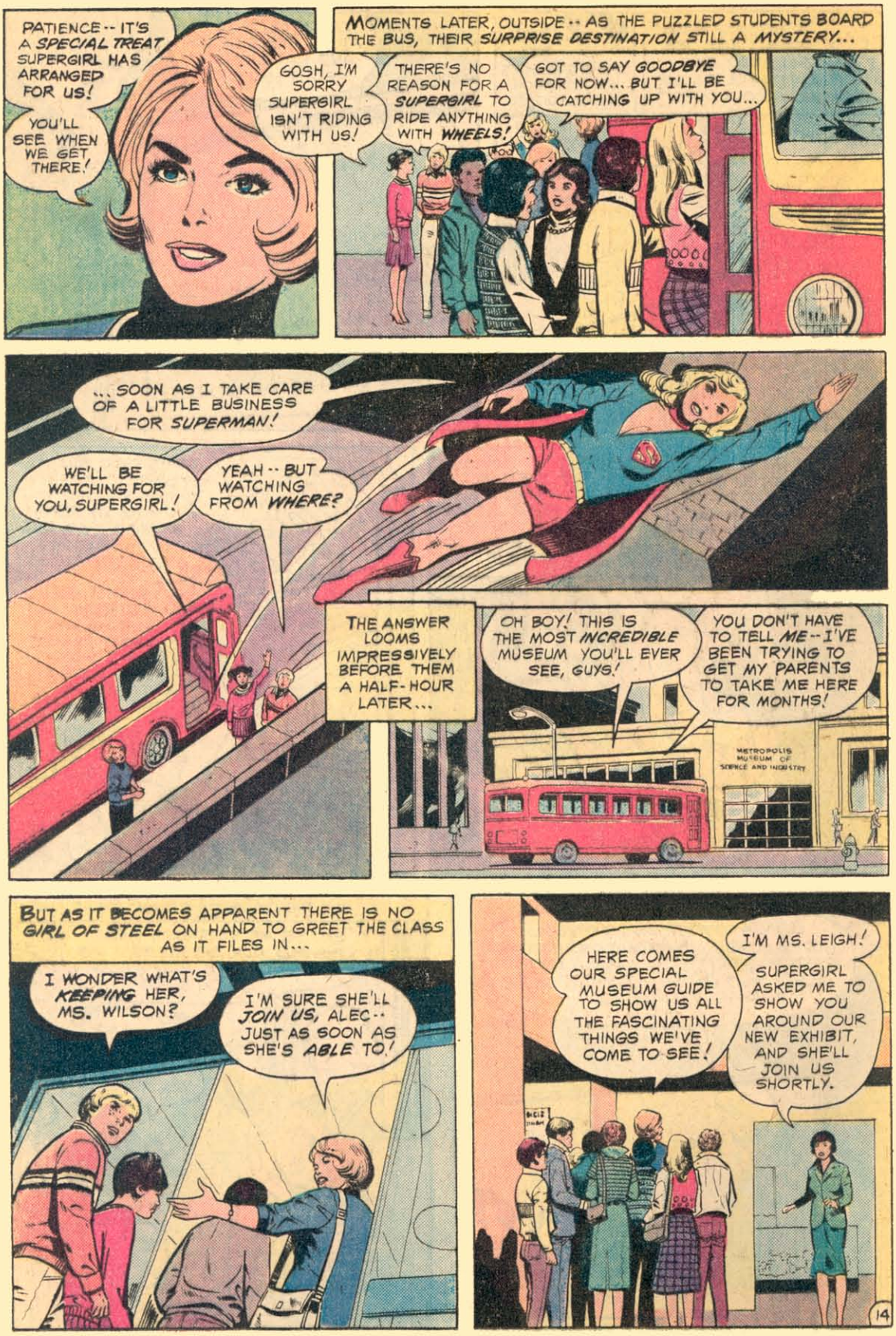

QUICK, LET'S LOOK AT ALL THE STORIES AND DATELINES ABOUT LUTHOR!
THE DAILY PLANET NEWS FILE SEARCH
STORIES IN FILE:
1. SUPERMAN IMPRISONS LUTHOR
2. LUTHOR CRACKS FORT KNOX
3. LUTHOR IN DARING PRISON BREAK
ENTER STORY NO. FOR FULL DETAILS
ENTER MORE FOR ADDITIONAL STORIES
ENTER END TO CONCLUDE INQUIRY
PLEASE ENTER INSTRUCTION HERE

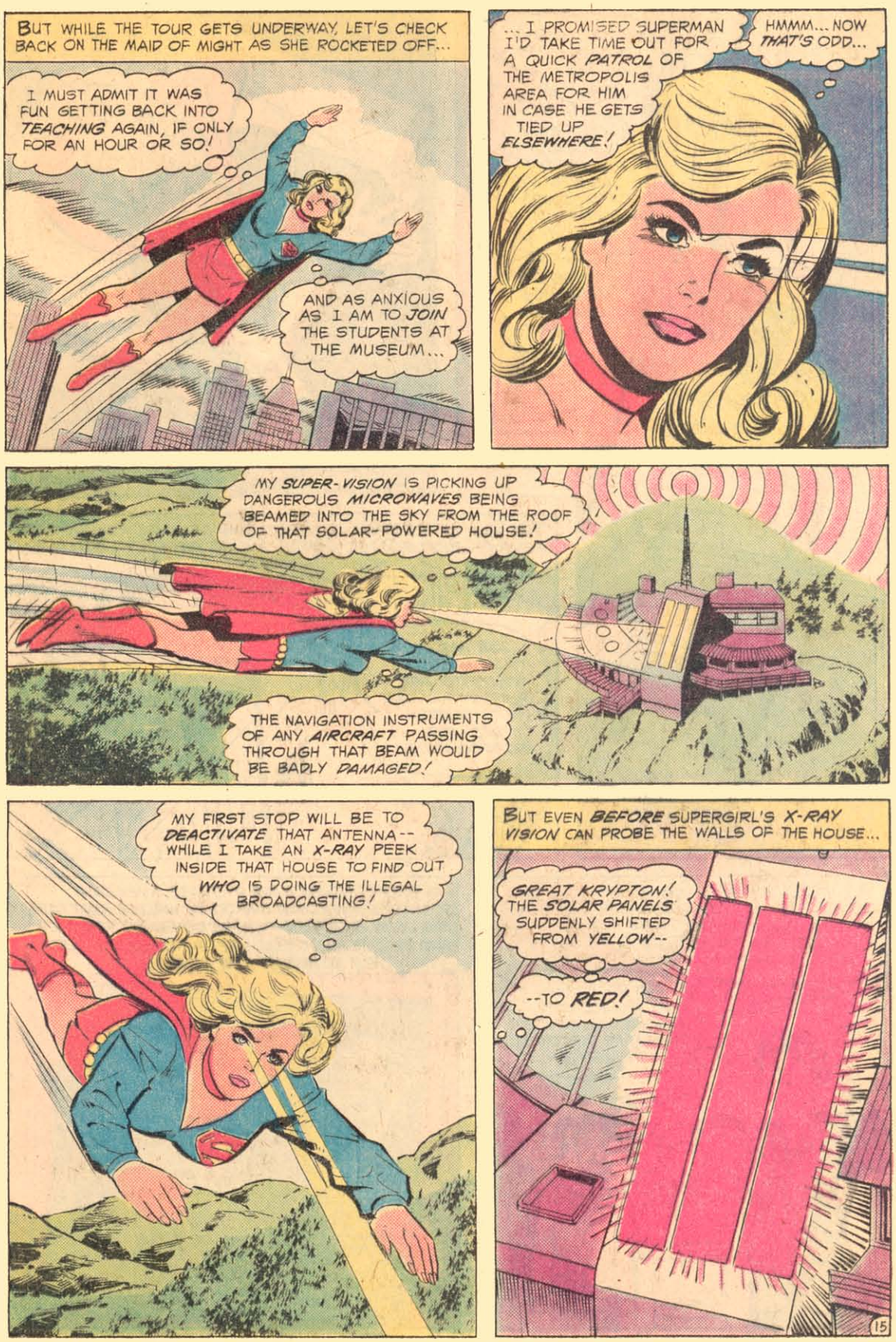

"SHANNA, I'M SURE SUPERGIRL HAS TO DO THE SAME THING!"
"UH-HUH--BUT SHE'LL BE DOING IT BY HAND, ALEC-- AND EVEN AT SUPER-SPEED, THAT'S GOT TO TAKE A WHILE!"

WHOOSH!
THAT'S RIGHT, SHANNA-- AND SINCE I LISTENED TO EVERY WORD YOU SAID WITH MY SUPER-HEARING I CAN TELL YOU WERE RIGHT ABOUT EVERY THING!
WHAT'S MORE, YOU FOUND OUT JUST AS MUCH ABOUT LUTHOR AS I DID-- AND JUST AS QUICKLY...

...THANKS TO YOUR SUPER-SPEED... SUPER-POWER... INFORMATION RETRIEVAL SYSTEM OPERATED BY SHANNA AND ALEC! WHO KNOWS-- I MIGHT NEED THAT HELP SOMETIME!

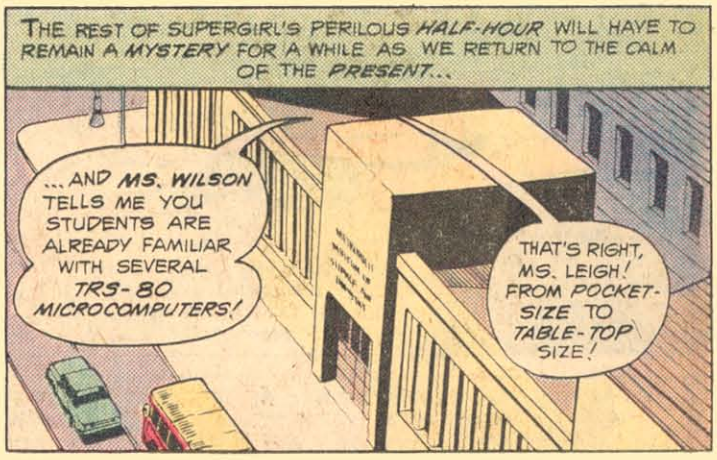
SUDDENLY, THE CLASSROOM DOOR OPENS AND...
EXCUSE ME, SUPERGIRL-- BUT THE BUS FOR THE CLASS'S BIG SURPRISE HAS JUST PULLED UP OUTSIDE!
BIG SURPRISE?!?
WHAT IS IT, MS. WILSON?

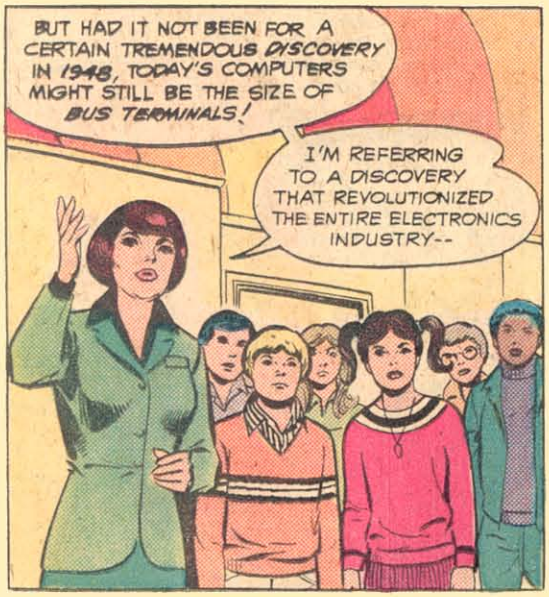

PATIENCE -- IT'S A SPECIAL TREAT SUPERGIRL HAS ARRANGED FOR US!
YOU'LL SEE WHEN WE GET THERE!
MOMENTS LATER, OUTSIDE -- AS THE PUZZLED STUDENTS BOARD THE BUS, THEIR SURPRISE DESTINATION STILL A MYSTERY...
GOSH, I'M SORRY SUPERGIRL ISN'T RIDING WITH US!
THERE'S NO REASON FOR A SUPERGIRL TO RIDE ANYTHING WITH WHEELS!
GOT TO SAY GOODBYE FOR NOW... BUT I'LL BE CATCHING UP WITH YOU...
... SOON AS I TAKE CARE OF A LITTLE BUSINESS FOR SUPERMAN!
WE'LL BE WATCHING FOR YOU, SUPERGIRL!
YEAH -- BUT WATCHING FROM WHERE?
THE ANSWER LOOMS IMPRESSIVELY BEFORE THEM A HALF-HOUR LATER...
OH BOY! THIS IS THE MOST INCREDIBLE MUSEUM YOU'LL EVER SEE, GUYS!
YOU DON'T HAVE TO TELL ME -- I'VE BEEN TRYING TO GET MY PARENTS TO TAKE ME HERE FOR MONTHS!
METROPOLIS MUSEUM OF SCIENCE AND INDUSTRY
BUT AS IT BECOMES APPARENT THERE IS NO GIRL OF STEEL ON HAND TO GREET THE CLASS AS IT FILES IN...
I WONDER WHAT'S KEEPING HER, MS. WILSON?
I'M SURE SHE'LL JOIN US, ALEC -- JUST AS SOON AS SHE'S ABLE TO!
HERE COMES OUR SPECIAL MUSEUM GUIDE TO SHOW US ALL THE FASCINATING THINGS WE'VE COME TO SEE!
I'M MS. LEIGH! SUPERGIRL ASKED ME TO SHOW YOU AROUND OUR NEW EXHIBIT, AND SHE'LL JOIN US SHORTLY.
14

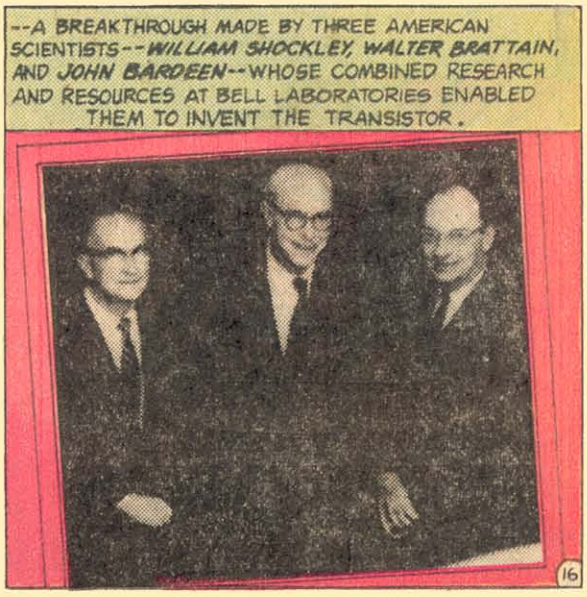

BUT WHILE THE TOUR GETS UNDERWAY, LET'S CHECK BACK ON THE MAID OF MIGHT AS SHE ROCKETED OFF...
I MUST ADMIT IT WAS FUN GETTING BACK INTO TEACHING AGAIN, IF ONLY FOR AN HOUR OR SO!
AND AS ANXIOUS AS I AM TO JOIN THE STUDENTS AT THE MUSEUM...
...I PROMISED SUPERMAN I'D TAKE TIME OUT FOR A QUICK PATROL OF THE METROPOLIS AREA FOR HIM IN CASE HE GETS TIED UP ELSEWHERE!
HMMM... NOW THAT'S ODD...
MY SUPER-VISION IS PICKING UP DANGEROUS MICROWAVES BEING BEAMED INTO THE SKY FROM THE ROOF OF THAT SOLAR-POWERED HOUSE!
THE NAVIGATION INSTRUMENTS OF ANY AIRCRAFT PASSING THROUGH THAT BEAM WOULD BE BADLY DAMAGED!
MY FIRST STOP WILL BE TO DEACTIVATE THAT ANTENNA -- WHILE I TAKE AN X-RAY PEEK INSIDE THAT HOUSE TO FIND OUT WHO IS DOING THE ILLEGAL BROADCASTING!
BUT EVEN BEFORE SUPERGIRL'S X-RAY VISION CAN PROBE THE WALLS OF THE HOUSE...
GREAT KRYPTON! THE SOLAR PANELS SUDDENLY SHIFTED FROM YELLOW--
--TO RED!
15

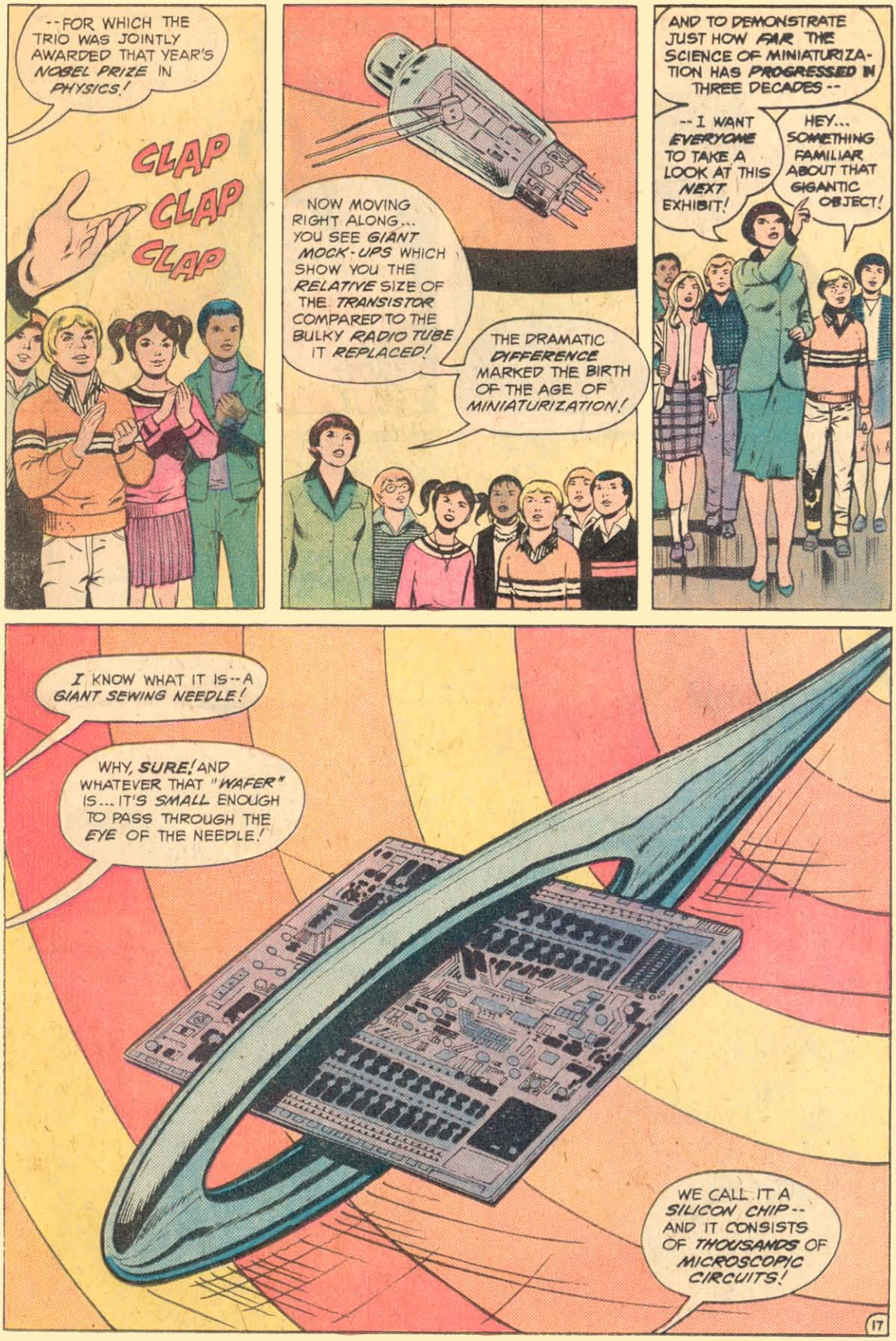
UHMH... LOSING MY ABILITY TO FLY!
ONLY RED SOLAR RADIATION CAN ROB ME OF MY SUPER-POWERS SO QUICKLY!
THE MICROWAVE BEAM WAS ONLY BAIT--

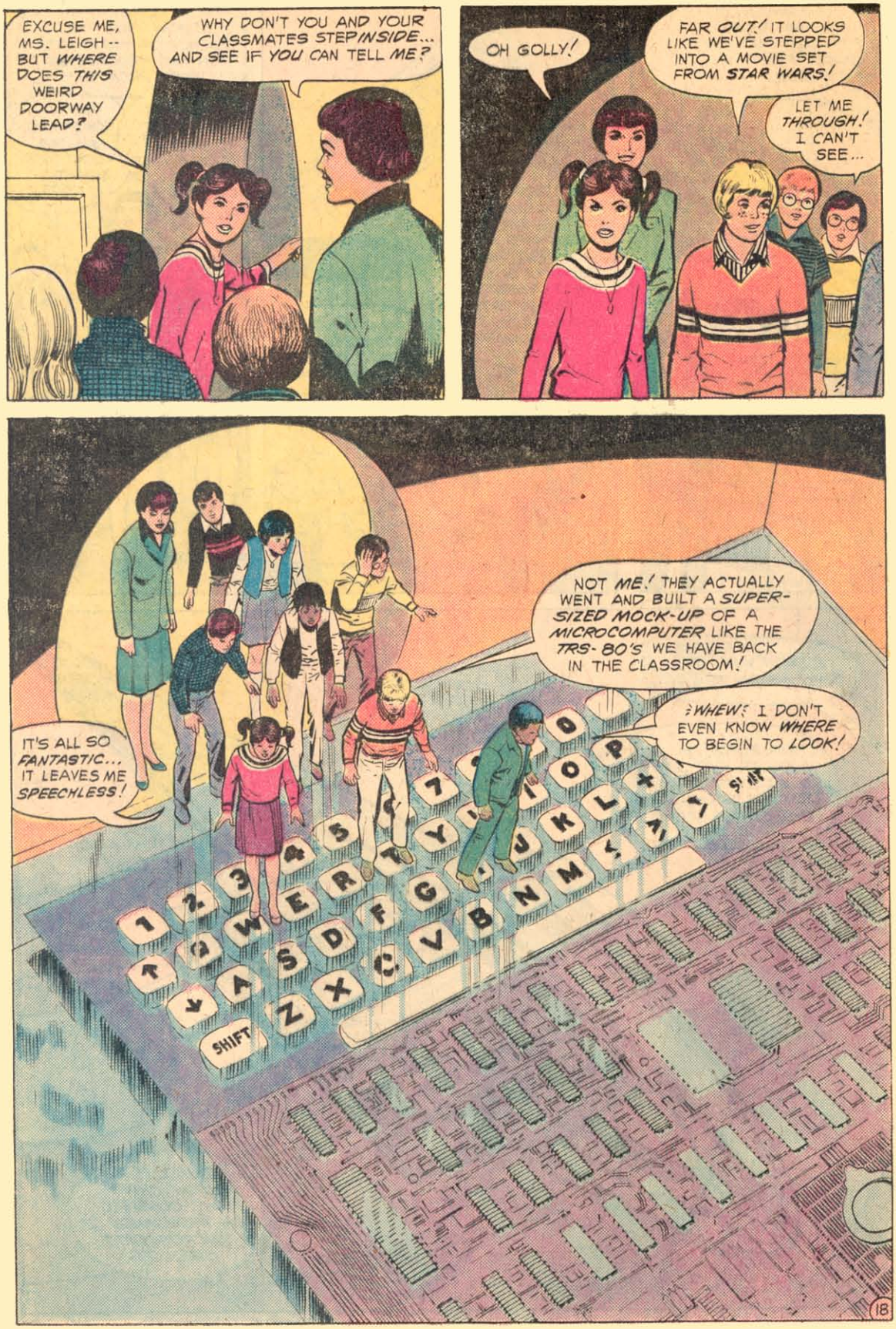
--BAIT TO PULL ME INTO SOME SORT OF DIABOLICAL TRAP!


THE REST OF SUPERGIRL'S PERILOUS HALF-HOUR WILL HAVE TO REMAIN A MYSTERY FOR A WHILE AS WE RETURN TO THE CALM OF THE PRESENT...
...AND MS. WILSON TELLS ME YOU STUDENTS ARE ALREADY FAMILIAR WITH SEVERAL TRS-80 MICROCOMPUTERS!
THAT'S RIGHT, MS. LEIGH! FROM POCKET-SIZE TO TABLE-TOP SIZE!


BUT HAD IT NOT BEEN FOR A CERTAIN TREMENDOUS DISCOVERY IN 1948, TODAY'S COMPUTERS MIGHT STILL BE THE SIZE OF BUS TERMINALS!
I'M REFERRING TO A DISCOVERY THAT REVOLUTIONIZED THE ENTIRE ELECTRONICS INDUSTRY--


--A BREAKTHROUGH MADE BY THREE AMERICAN SCIENTISTS--WILLIAM SHOCKLEY, WALTER BRATTAIN, AND JOHN BARDEEN--WHOSE COMBINED RESEARCH AND RESOURCES AT BELL LABORATORIES ENABLED THEM TO INVENT THE TRANSISTOR.

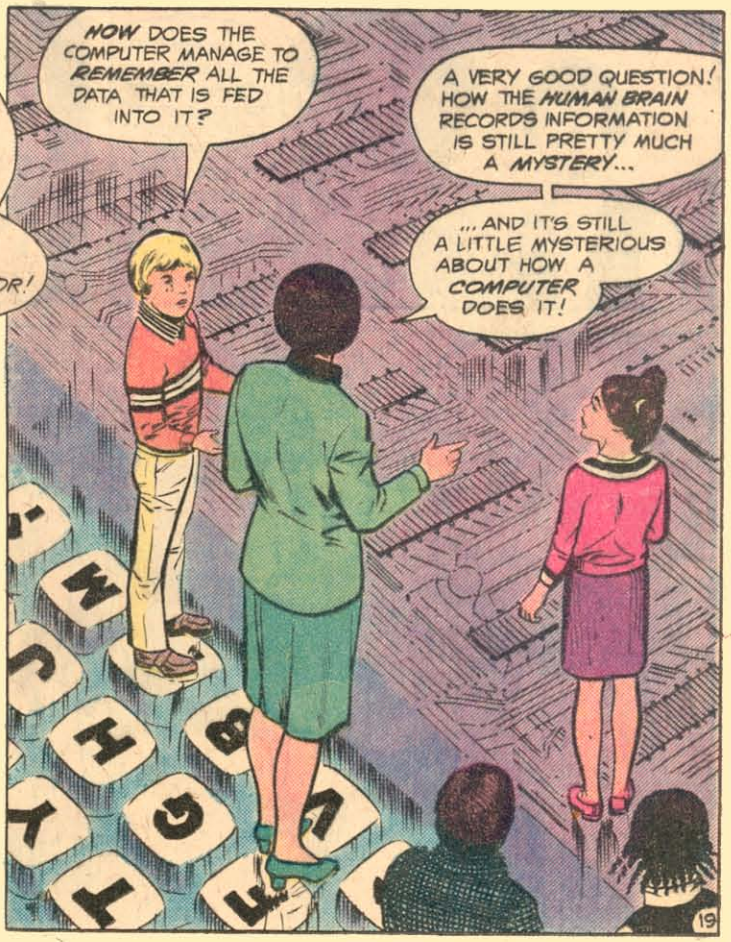

--FOR WHICH THE TRIO WAS JOINTLY AWARDED THAT YEAR'S NOBEL PRIZE IN PHYSICS!
CLAP CLAP CLAP
NOW MOVING RIGHT ALONG... YOU SEE GIANT MOCK-UPS WHICH SHOW YOU THE RELATIVE SIZE OF THE TRANSISTOR COMPARED TO THE BULKY RADIO TUBE IT REPLACED!
THE DRAMATIC DIFFERENCE MARKED THE BIRTH OF THE AGE OF MINIATURIZATION!
AND TO DEMONSTRATE JUST HOW FAR THE SCIENCE OF MINIATURIZATION HAS PROGRESSED IN THREE DECADES --
--I WANT EVERYONE TO TAKE A LOOK AT THIS NEXT EXHIBIT!
HEY... SOMETHING FAMILIAR ABOUT THAT GIGANTIC OBJECT!
I KNOW WHAT IT IS--A GIANT SEWING NEEDLE!
WHY, SURE! AND WHATEVER THAT "WAFER" IS... IT'S SMALL ENOUGH TO PASS THROUGH THE EYE OF THE NEEDLE!
WE CALL IT A SILICON CHIP-- AND IT CONSISTS OF THOUSANDS OF MICROSCOPIC CIRCUITS!
17


EXCUSE ME, MS. LEIGH -- BUT WHERE DOES THIS WEIRD DOORWAY LEAD?
WHY DON'T YOU AND YOUR CLASSMATES STEP INSIDE... AND SEE IF YOU CAN TELL ME?
OH GOLLY!
FAR OUT! IT LOOKS LIKE WE'VE STEPPED INTO A MOVIE SET FROM STAR WARS!
LET ME THROUGH! I CAN'T SEE...
IT'S ALL SO FANTASTIC... IT LEAVES ME SPEECHLESS!
NOT ME! THEY ACTUALLY WENT AND BUILT A SUPER-SIZED MOCK-UP OF A MICROCOMPUTER LIKE THE TRS-80'S WE HAVE BACK IN THE CLASSROOM!
;WHEW! I DON'T EVEN KNOW WHERE TO BEGIN TO LOOK!
SHIFT

WHY NOT START WITH A FAMILIAR COMPONENT WE'VE ALREADY SEEN -- THE SILICON CHIP!
THERE IT IS, RIGHT DOWN THERE!
HOW DOES IT FUNCTION INSIDE THE COMPUTER?

JUST AS THE HUMAN BRAIN IS CONSTANTLY PROCESSING INFORMATION... DECODING INPUT* AND ACTING ON ITS CONTENT--
--SO DOES THE SILICON CHIP! WE CALL IT A MICROPROCESSOR!
MOST HOME COMPUTERS ARE DESIGNED TO ACCEPT INPUT COMBINATIONS OF EIGHT BINARY DIGITS* AT ONE TIME!

NOW EIGHT OF THESE ONES AND ZEROES STRUNG TOGETHER ARE CALLED A BYTE*!
EACH BYTE CARRIES ENOUGH INFORMATION TO REPRESENT A PIECE OF USEFUL DATA OR WORD OF INSTRUCTION TO THE MICROPROCESSOR!


HOW DOES THE COMPUTER MANAGE TO REMEMBER ALL THE DATA THAT IS FED INTO IT?
A VERY GOOD QUESTION! HOW THE HUMAN BRAIN RECORDS INFORMATION IS STILL PRETTY MUCH A MYSTERY...
...AND IT'S STILL A LITTLE MYSTERIOUS ABOUT HOW A COMPUTER DOES IT!

IN THE *TRS-80*, FOR EXAMPLE, INFORMATION IS STORED IN A NUMBER OF IDENTICAL *MEMORY CHIPS*--

--MICRO-MINIATURIZED CIRCUITS IMPRINTED ON SLIVERS OF *SILICON*!

"BUT UNLIKE MICROPROCESSING CHIPS WHICH BEAR AN *IRREGULAR* PATTERN OF TRACKS...

"...EACH MEMORY CHIP CONTAINS A '*GRIDIRON*' PATTERN -- SOMEWHAT RESEMBLING A CITY STREET MAP!"

BUT *HOW* IN THE WORLD DOES THE COMPUTER MANAGE TO KEEP SWITCHING BACK AND FORTH BETWEEN ALL THESE THOUSANDS OF TINY TRACKS ONCE IT'S *WORKING*?

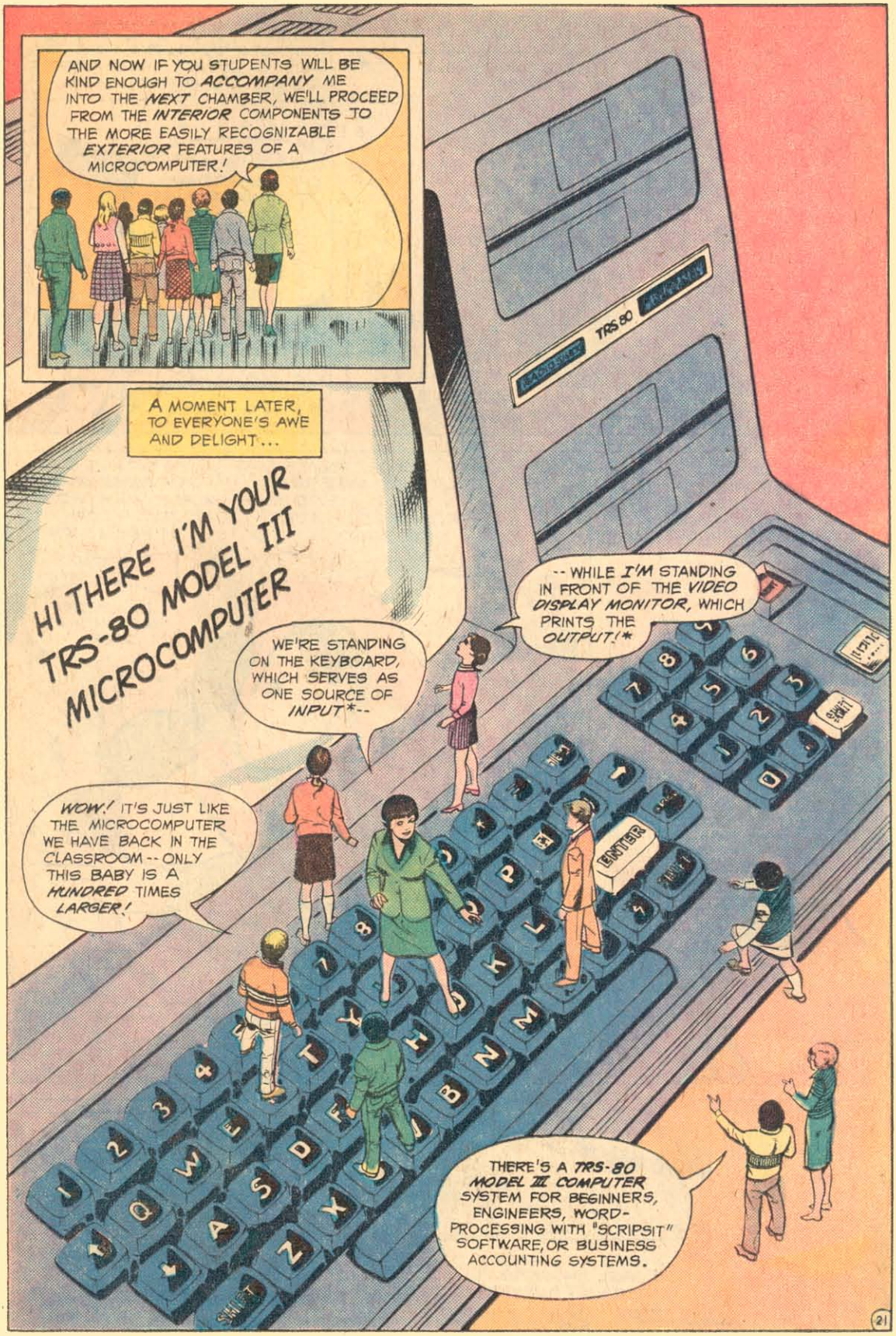
A COMPUTER HAS AN "*ELECTRONIC TRAFFIC COP*" FOR JUST THIS PURPOSE -- KNOWN AS A *CONTROL UNIT*!

THE CONTROL UNIT *DECODES* EVERY INSTRUCTION SENT TO IT FROM THE COMPUTER'S PROGRAM!

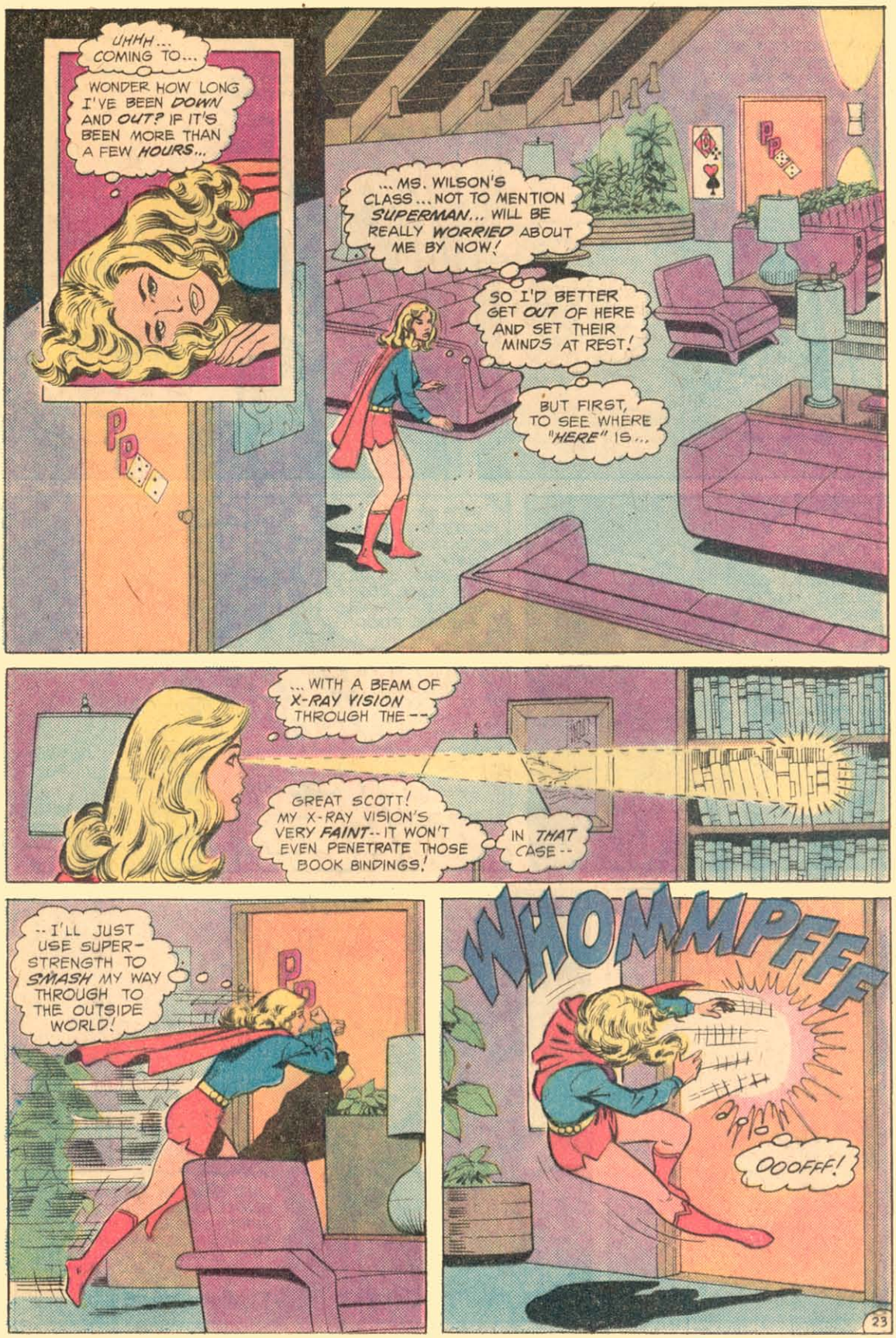
IT THEN CALLS FOR THE NEXT PROGRAMMING INSTRUCTIONS AND CONTINUES TO SET EACH STEP IN THE PROGRAM UNTIL IT IS TOLD TO *STOP*!

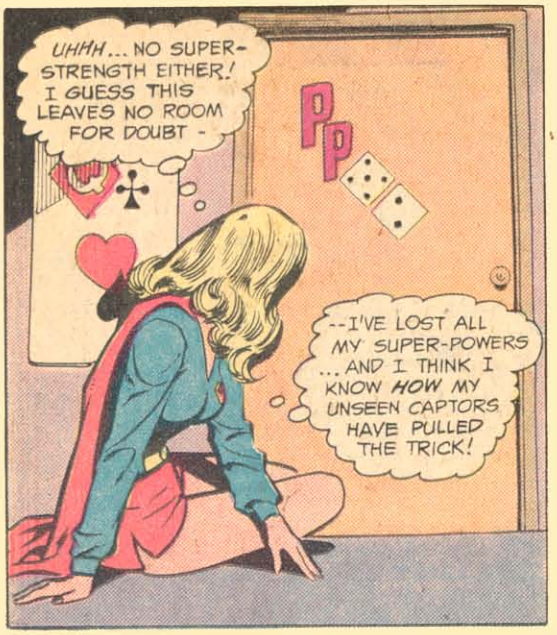
BUT THE *MATH/LOGIC* UNIT CARRIES OUT THE EXECUTION OF THE MOST CRUCIAL PROGRAMMING INSTRUCTIONS!

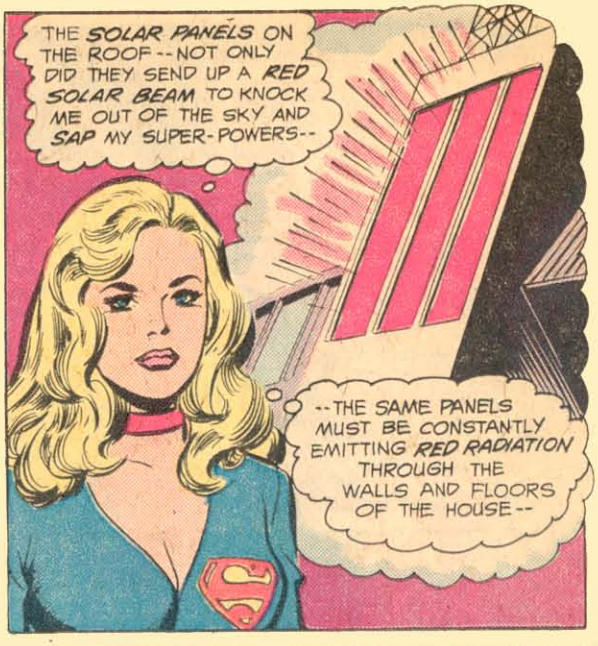
THIS PORTION OF THE MICROPROCESSOR PERFORMS ARITHMETIC AND DECISION-MAKING OPERATIONS ON *DATA*!


AND NOW IF YOU STUDENTS WILL BE KIND ENOUGH TO ACCOMPANY ME INTO THE NEXT CHAMBER, WE'LL PROCEED FROM THE INTERIOR COMPONENTS TO THE MORE EASILY RECOGNIZABLE EXTERIOR FEATURES OF A MICROCOMPUTER!
A MOMENT LATER, TO EVERYONE'S AWE AND DELIGHT...
HI THERE I'M YOUR TRS-80 MODEL III MICROCOMPUTER
WE'RE STANDING ON THE KEYBOARD, WHICH SERVES AS ONE SOURCE OF INPUT*--
-- WHILE I'M STANDING IN FRONT OF THE VIDEO DISPLAY MONITOR, WHICH PRINTS THE OUTPUT!*
WOW! IT'S JUST LIKE THE MICROCOMPUTER WE HAVE BACK IN THE CLASSROOM -- ONLY THIS BABY IS A HUNDRED TIMES LARGER!
THERE'S A TRS-80 MODEL III COMPUTER SYSTEM FOR BEGINNERS, ENGINEERS, WORD-PROCESSING WITH "SCRIPSIT" SOFTWARE, OR BUSINESS ACCOUNTING SYSTEMS.
TRS-80
ENTER
SHIFT

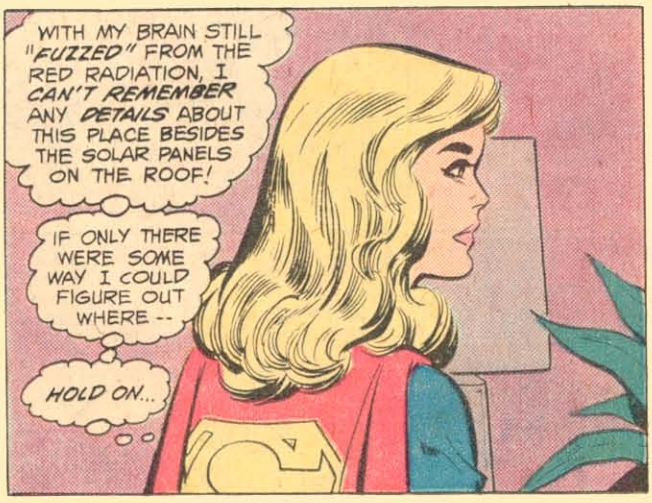
AND AS THE WIDE-EYED STUDENTS PROCEED TO FOLLOW THEIR GUIDE ON THE FINAL LEG OF THE TOUR...
...AND IT'S THE KIND OF MICROCOMPUTER TECHNOLOGY YOU'VE BEEN SEEING WHICH MADE THE RECENT VOYAGER FLY-BY PAST SATURN SUCH A REALITY!
SURE! IT WAS MICRO-COMPUTERS THAT MADE IT POSSIBLE TO SEE THOSE GREAT PHOTOGRAPHS OF SATURN'S RINGS!
BUT WHAT'S HAPPENED TO MS. WILSON DURING THE COURSE OF OUR FANTASTIC TOUR? LET'S SHIFT TO THE MUSEUM LOBBY -- WHERE A CAPED VISITOR HAS ARRIVED...
...AS SHE TOOK OFF, SUPERGIRL MENTIONED SHE HAD TO TAKE CARE OF SOME BUSINESS FOR YOU -- ALTHOUGH SHE DID PROMISE TO JOIN US HERE!
THAT'S WHAT WORRIES ME...
BUT AS YOU CAN SEE... SO FAR, NO SUPERGIRL!
...SUPERGIRL WOULD NEVER BREAK A PROMISE TO THE STUDENTS... NOT UNLESS SOMETHING CRITICAL CROSSED HER PATH FIRST!
SUPERMAN... YOU DON'T SUPPOSE SHE'S RUN INTO SOME SORT OF TROUBLE?
ANY KIND OF TROUBLE THAT COULD SLOW SUPERGIRL DOWN WOULD HAVE TO BE A MAJOR CRISIS INDEED, MS. WILSON!
I'M SETTING OUT ON A SUPER-SEARCH ACROSS METROPOLIS TO SEE IF I CAN TURN UP ANY LEADS!
I'LL CHECK BACK WITH YOU LATER!
MEANWHILE, LET US RETURN TO THE SCENE OF AN IMPOSING PRIVATE ESTATE SEVERAL MILES OUTSIDE THE CITY LIMITS...
...WHERE WE LAST SAW THE GIRL OF STEEL MYSTERIOUSLY PLUMMETING...
... AND POWERLESS!

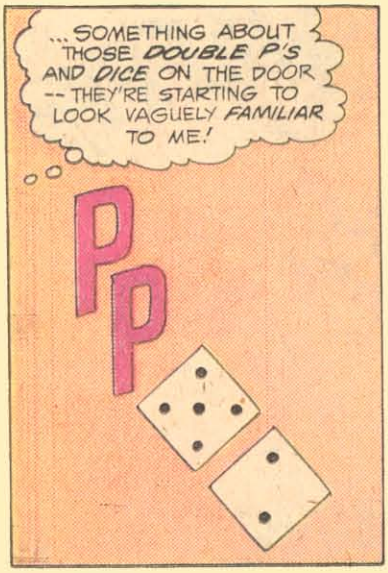

UHMM... COMING TO...
WONDER HOW LONG I'VE BEEN DOWN AND OUT? IF IT'S BEEN MORE THAN A FEW HOURS...
...MS. WILSON'S CLASS... NOT TO MENTION SUPERMAN... WILL BE REALLY WORRIED ABOUT ME BY NOW!
SO I'D BETTER GET OUT OF HERE AND SET THEIR MINDS AT REST!
BUT FIRST, TO SEE WHERE "HERE" IS...
...WITH A BEAM OF X-RAY VISION THROUGH THE--
GREAT SCOTT! MY X-RAY VISION'S VERY FAINT--IT WON'T EVEN PENETRATE THOSE BOOK BINDINGS!
IN THAT CASE--
--I'LL JUST USE SUPER-STRENGTH TO SMASH MY WAY THROUGH TO THE OUTSIDE WORLD!
WHOMMPFFF
OOOFFF!

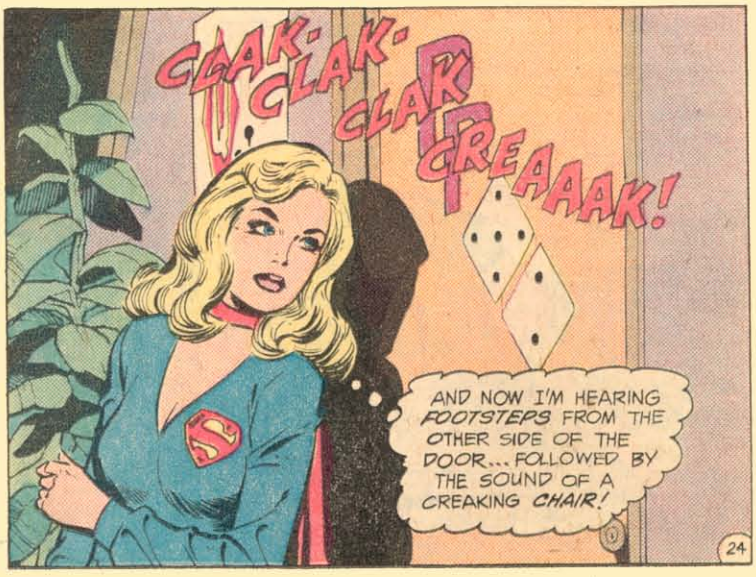

UHHH... NO SUPER-STRENGTH EITHER! I GUESS THIS LEAVES NO ROOM FOR DOUBT -
--I'VE LOST ALL MY SUPER-POWERS ... AND I THINK I KNOW HOW MY UNSEEN CAPTORS HAVE PULLED THE TRICK!

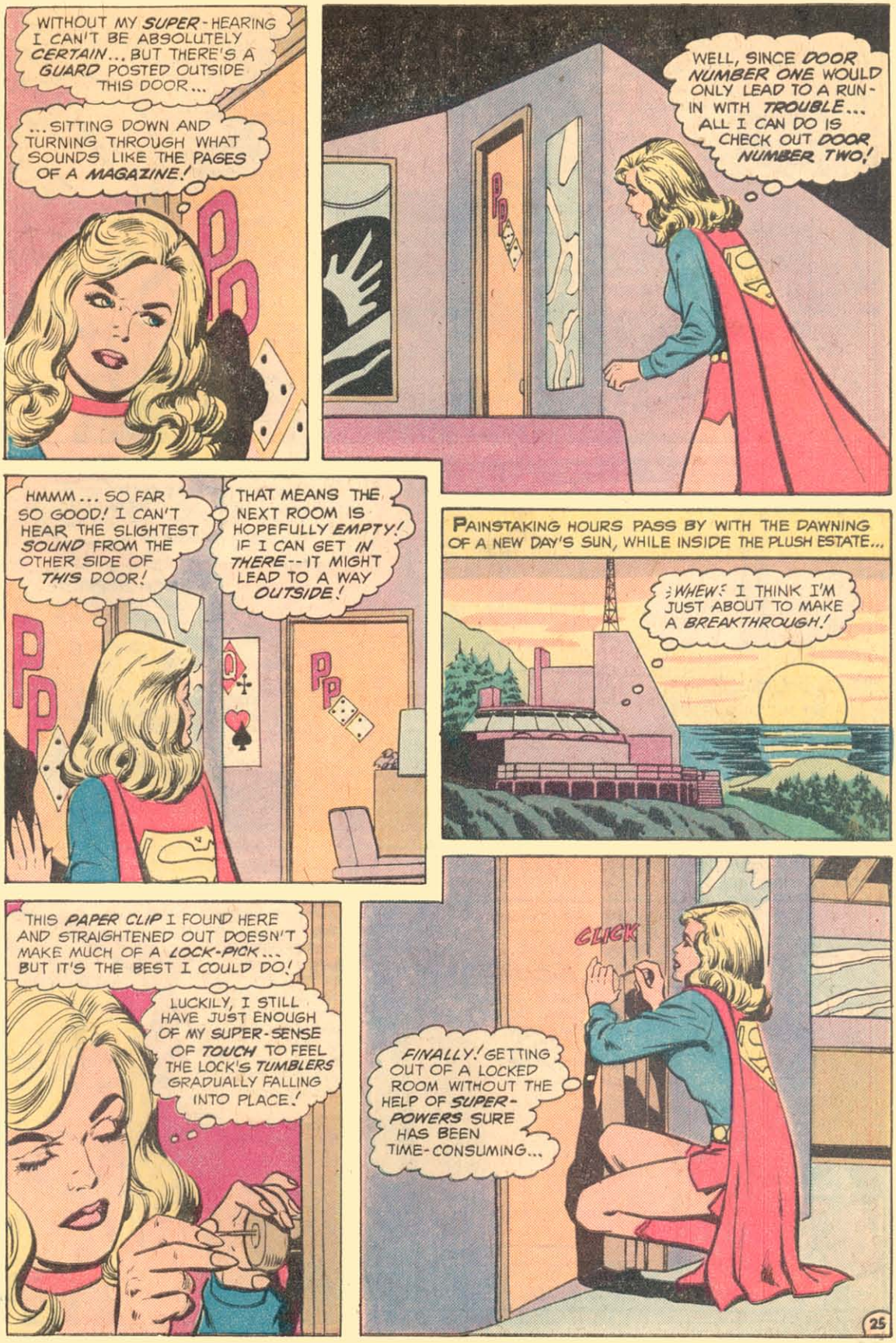

THE SOLAR PANELS ON THE ROOF--NOT ONLY DID THEY SEND UP A RED SOLAR BEAM TO KNOCK ME OUT OF THE SKY AND SAP MY SUPER-POWERS--
--THE SAME PANELS MUST BE CONSTANTLY EMITTING RED RADIATION THROUGH THE WALLS AND FLOORS OF THE HOUSE--

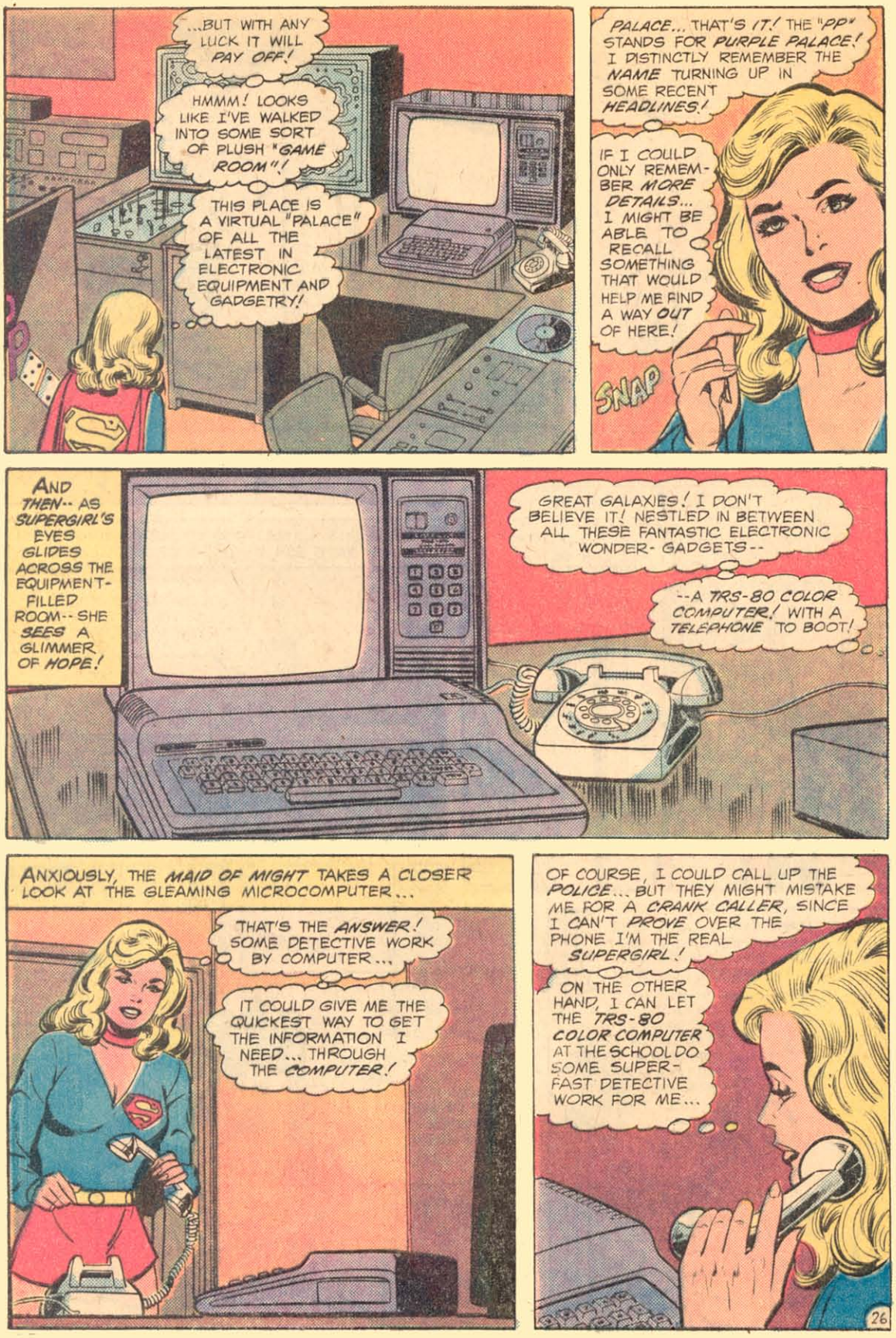
--STORING UP ENOUGH RED SOLAR ENERGY TO KEEP MY SUPER-POWERS NEUTRALIZED DAY AND NIGHT!
LOOKS LIKE I'M A PRISONER TRAPPED IN THIS MAHOGANY-LINED "CELL" WHETHER I LIKE IT OR NOT!


WITH MY BRAIN STILL "FUZZED" FROM THE RED RADIATION, I CAN'T REMEMBER ANY DETAILS ABOUT THIS PLACE BESIDES THE SOLAR PANELS ON THE ROOF!
IF ONLY THERE WERE SOME WAY I COULD FIGURE OUT WHERE --
HOLD ON...

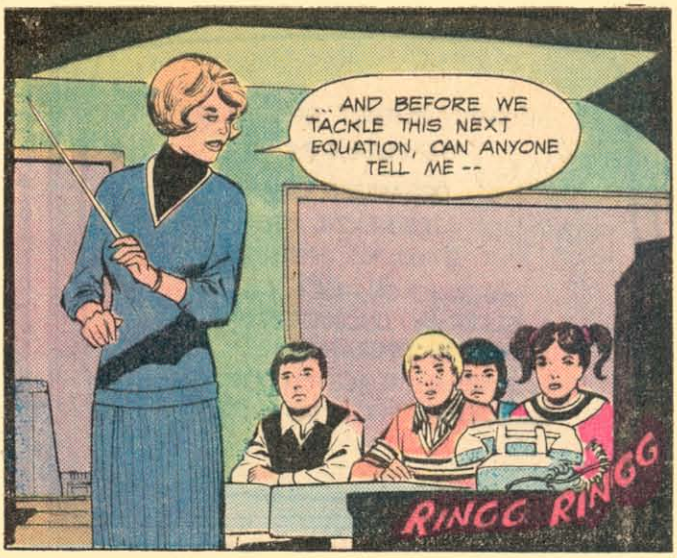

...SOMETHING ABOUT THOSE DOUBLE P'S AND DICE ON THE DOOR -- THEY'RE STARTING TO LOOK VAGUELY FAMILIAR TO ME!


CLAK-CLAK-CLAK
CREAAAK!
AND NOW I'M HEARING FOOTSTEPS FROM THE OTHER SIDE OF THE DOOR... FOLLOWED BY THE SOUND OF A CREAKING CHAIR!

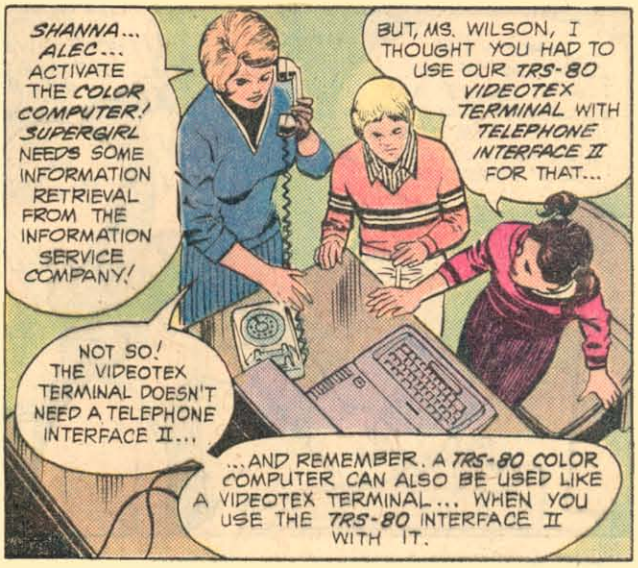

WITHOUT MY SUPER-HEARING I CAN'T BE ABSOLUTELY CERTAIN... BUT THERE'S A GUARD POSTED OUTSIDE THIS DOOR...
...SITTING DOWN AND TURNING THROUGH WHAT SOUNDS LIKE THE PAGES OF A MAGAZINE!
WELL, SINCE DOOR NUMBER ONE WOULD ONLY LEAD TO A RUN-IN WITH TROUBLE... ALL I CAN DO IS CHECK OUT DOOR NUMBER TWO!
HMMM... SO FAR SO GOOD! I CAN'T HEAR THE SLIGHTEST SOUND FROM THE OTHER SIDE OF THIS DOOR!
THAT MEANS THE NEXT ROOM IS HOPEFULLY EMPTY! IF I CAN GET IN THERE -- IT MIGHT LEAD TO A WAY OUTSIDE!
PAINSTAKING HOURS PASS BY WITH THE DAWNING OF A NEW DAY'S SUN, WHILE INSIDE THE PLUSH ESTATE...
WHEW! I THINK I'M JUST ABOUT TO MAKE A BREAKTHROUGH!
THIS PAPER CLIP I FOUND HERE AND STRAIGHTENED OUT DOESN'T MAKE MUCH OF A LOCK-PICK... BUT IT'S THE BEST I COULD DO!
LUCKILY, I STILL HAVE JUST ENOUGH OF MY SUPER-SENSE OF TOUCH TO FEEL THE LOCK'S TUMBLERS GRADUALLY FALLING INTO PLACE!
CLICK
FINALLY! GETTING OUT OF A LOCKED ROOM WITHOUT THE HELP OF SUPER-POWERS SURE HAS BEEN TIME-CONSUMING...


...BUT WITH ANY LUCK IT WILL PAY OFF!
HMMM! LOOKS LIKE I'VE WALKED INTO SOME SORT OF PLUSH "GAME ROOM"!
THIS PLACE IS A VIRTUAL "PALACE" OF ALL THE LATEST IN ELECTRONIC EQUIPMENT AND GADGETRY!
PALACE... THAT'S IT! THE "PP" STANDS FOR PURPLE PALACE! I DISTINCTLY REMEMBER THE NAME TURNING UP IN SOME RECENT HEADLINES!
IF I COULD ONLY REMEMBER MORE DETAILS... I MIGHT BE ABLE TO RECALL SOMETHING THAT WOULD HELP ME FIND A WAY OUT OF HERE!
SNAP
AND THEN-- AS SUPERGIRL'S EYES GLIDES ACROSS THE EQUIPMENT-FILLED ROOM-- SHE SEES A GLIMMER OF HOPE!
GREAT GALAXIES! I DON'T BELIEVE IT! NESTLED IN BETWEEN ALL THESE FANTASTIC ELECTRONIC WONDER-GADGETS--
--A TRS-80 COLOR COMPUTER! WITH A TELEPHONE TO BOOT!
ANXIOUSLY, THE MAID OF MIGHT TAKES A CLOSER LOOK AT THE GLEAMING MICROCOMPUTER...
THAT'S THE ANSWER! SOME DETECTIVE WORK BY COMPUTER...
IT COULD GIVE ME THE QUICKEST WAY TO GET THE INFORMATION I NEED... THROUGH THE COMPUTER!
OF COURSE, I COULD CALL UP THE POLICE... BUT THEY MIGHT MISTAKE ME FOR A CRANK CALLER, SINCE I CAN'T PROVE OVER THE PHONE I'M THE REAL SUPERGIRL!
ON THE OTHER HAND, I CAN LET THE TRS-80 COLOR COMPUTER AT THE SCHOOL DO SOME SUPER-FAST DETECTIVE WORK FOR ME...

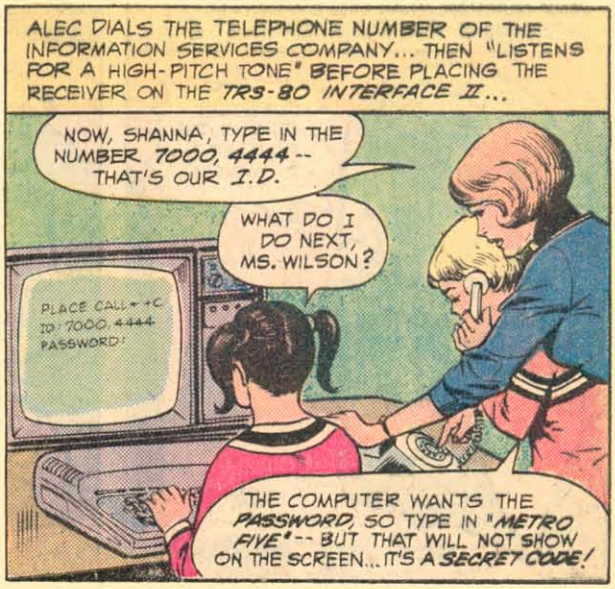
GHI 4
DEF 3
ABC 2
5
1
555-1213
...BY DIALING THE PHONE NUMBER OF MS. WILSON'S CLASSROOM! LUCKILY I STILL REMEMBER THE NUMBER I SAW PASTED ON THEIR PHONE YESTERDAY!
IF IT'S DAYLIGHT OUTSIDE LIKE I SUSPECT... THE CLASS SHOULD BE IN SESSION RIGHT NOW!

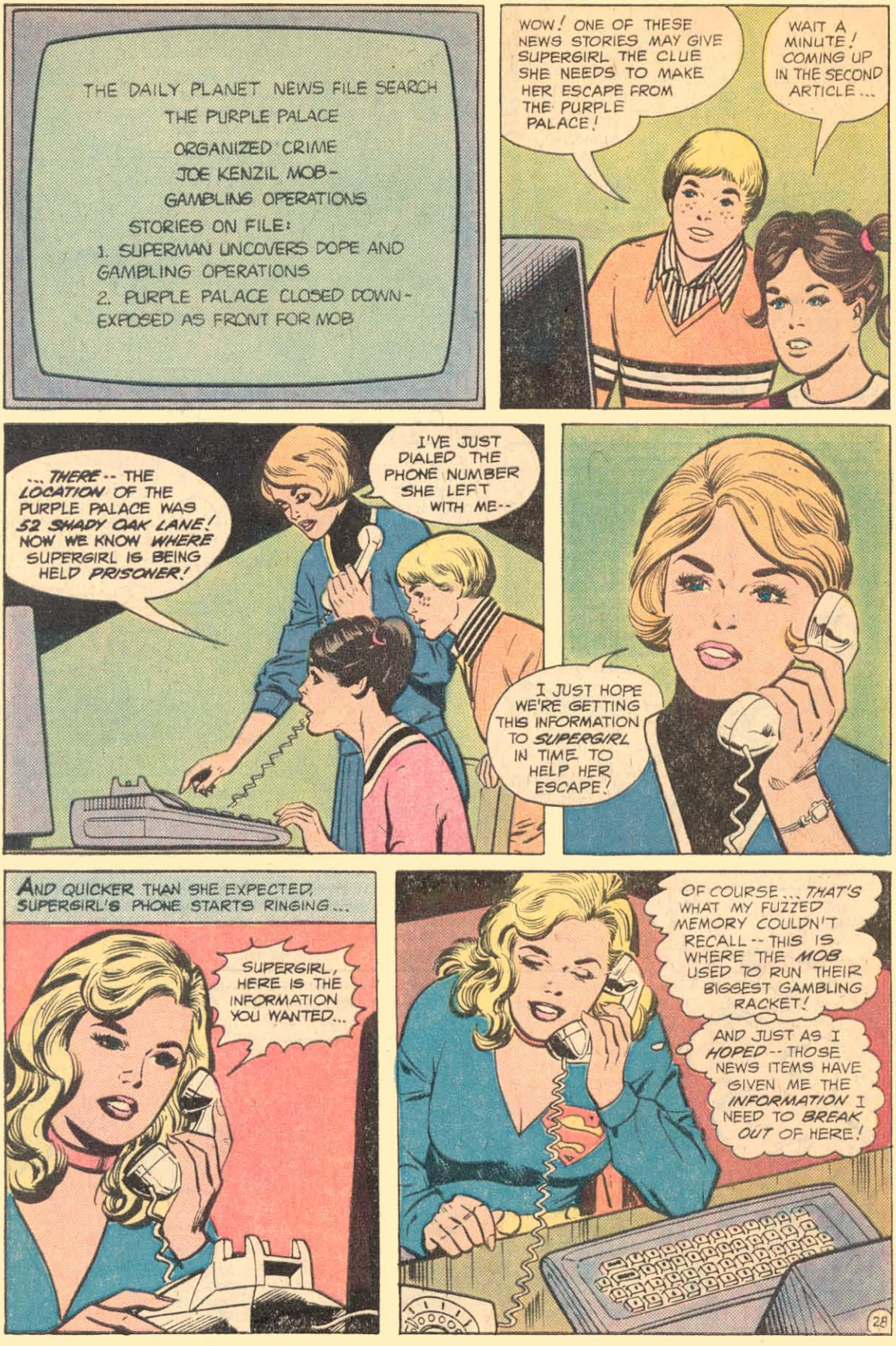

...AND BEFORE WE TACKLE THIS NEXT EQUATION, CAN ANYONE TELL ME --
RINGG RINGG

AND AS MS. WILSON ANSWERS THE CLASSROOM PHONE...
...OF COURSE I BELIEVE IT REALLY IS YOU... I'D RECOGNIZE THAT VOICE ANYWHERE! WE'VE ALL BEEN SO WORRIED ABOUT YOU... ESPECIALLY SUPERMAN!
WHY, THAT MUST BE SUPERGIRL ON THE PHONE!

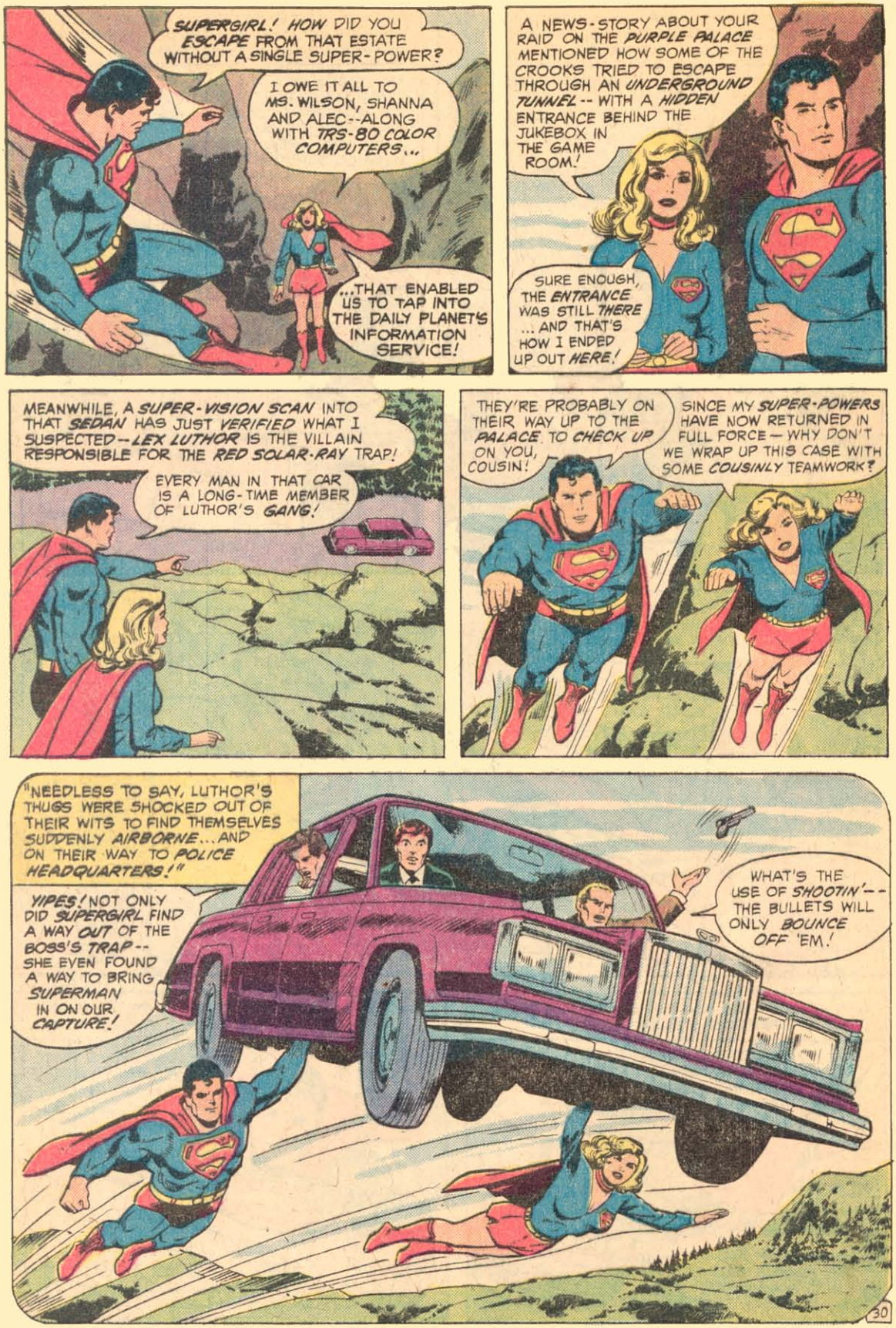

SHANNA... ALEC... ACTIVATE THE COLOR COMPUTER! SUPERGIRL NEEDS SOME INFORMATION RETRIEVAL FROM THE INFORMATION SERVICE COMPANY!
BUT, MS. WILSON, I THOUGHT YOU HAD TO USE OUR TRS-80 VIDEOTEX TERMINAL WITH TELEPHONE INTERFACE II FOR THAT...
NOT SO! THE VIDEOTEX TERMINAL DOESN'T NEED A TELEPHONE INTERFACE II...
...AND REMEMBER, A TRS-80 COLOR COMPUTER CAN ALSO BE USED LIKE A VIDEOTEX TERMINAL... WHEN YOU USE THE TRS-80 INTERFACE II WITH IT.

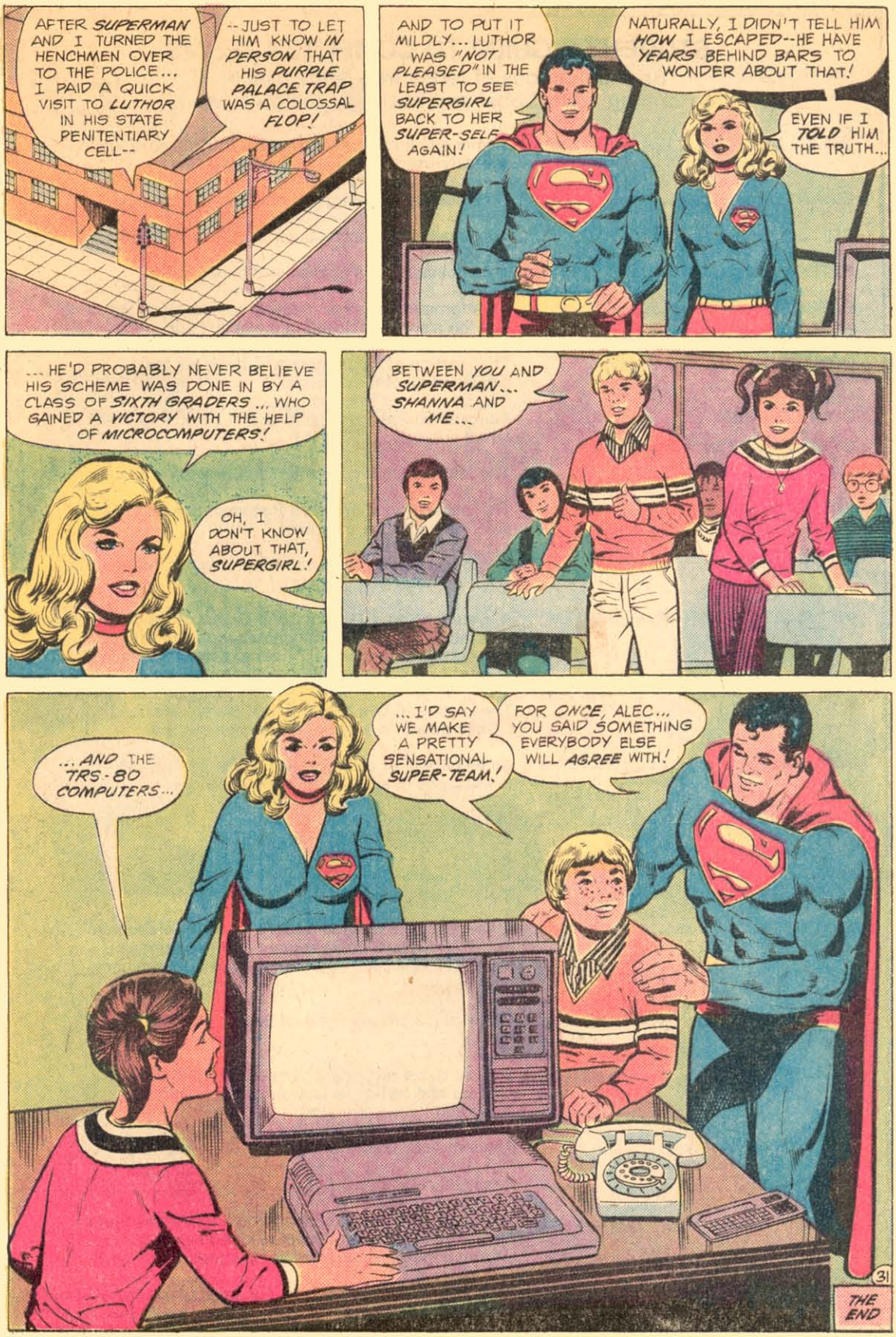
...AND THAT'S WHAT I WANT YOU TO FIND OUT! GOT IT--?
YOU WANT US TO TRACK DOWN A RECENT DAILY PLANET STORY ABOUT A RESORT CALLED THE "PURPLE PALACE" ...AND THEN RELAY ALL PERTINENT DETAILS TO YOU!
GOT IT! AND WE'LL ACTIVATE THE 4K TRS-80 COLOR COMPUTER MEMORY SO WE CAN STORE THE INFORMATION FOR LATER VIEWING IF WE NEED TO!


ALEC DIALS THE TELEPHONE NUMBER OF THE INFORMATION SERVICES COMPANY... THEN "LISTENS FOR A HIGH-PITCH TONE" BEFORE PLACING THE RECEIVER ON THE TRS-80 INTERFACE II...
NOW, SHANNA, TYPE IN THE NUMBER 7000, 4444 -- THAT'S OUR I.D.
WHAT DO I DO NEXT, MS. WILSON?
PLACE CALL: I.D: 7000,4444 PASSWORD:
THE COMPUTER WANTS THE PASSWORD, SO TYPE IN "METRO FIVE" -- BUT THAT WILL NOT SHOW ON THE SCREEN... IT'S A SECRET CODE!


THE DAILY PLANET NEWS FILE SEARCH
THE PURPLE PALACE
ORGANIZED CRIME
JOE KENZIL MOB-
GAMBLING OPERATIONS
STORIES ON FILE:
1. SUPERMAN UNCOVERS DOPE AND GAMBLING OPERATIONS
2. PURPLE PALACE CLOSED DOWN-EXPOSED AS FRONT FOR MOB
WOW! ONE OF THESE NEWS STORIES MAY GIVE SUPERGIRL THE CLUE SHE NEEDS TO MAKE HER ESCAPE FROM THE PURPLE PALACE!
WAIT A MINUTE! COMING UP IN THE SECOND ARTICLE...
...THERE -- THE LOCATION OF THE PURPLE PALACE WAS 52 SHADY OAK LANE! NOW WE KNOW WHERE SUPERGIRL IS BEING HELD PRISONER!
I'VE JUST DIALED THE PHONE NUMBER SHE LEFT WITH ME--
I JUST HOPE WE'RE GETTING THIS INFORMATION TO SUPERGIRL IN TIME TO HELP HER ESCAPE!
AND QUICKER THAN SHE EXPECTED, SUPERGIRL'S PHONE STARTS RINGING...
SUPERGIRL, HERE IS THE INFORMATION YOU WANTED...
OF COURSE... THAT'S WHAT MY FUZZED MEMORY COULDN'T RECALL -- THIS IS WHERE THE MOB USED TO RUN THEIR BIGGEST GAMBLING RACKET!
AND JUST AS I HOPED -- THOSE NEWS ITEMS HAVE GIVEN ME THE INFORMATION I NEED TO BREAK OUT OF HERE!
28

WHILE BACK IN THE CLASSROOM, A SUDDEN FAMILIAR WHOOSHING SOUND HAS BEEN FOLLOWED UP BY A SPECTACULAR ENTRANCE...
WHOOSHHH
SUPERMAN! ARE WE GLAD TO SEE YOU!
I WISH I HAD GOOD NEWS TO REPORT... BUT SO FAR I HAVEN'T TURNED UP ANY TRACE OF SUPERGIRL!
WELL, THEN...YOU SURE CAME TO THE RIGHT PLACE!
AND AS ALEC, SHANNA AND MS. WILSON TELL THE MAN OF STEEL ALL ABOUT THEIR COMPUTER-CONVERSATION WITH SUPERGIRL...
THE PURPLE PALACE... I REMEMBER THAT RAID! NO WONDER I COULDN'T FIND HER--IT'S IN A REMOTE AREA MILES OUTSIDE THE CITY LIMITS!
52 SHADY OAK LANE, TO BE EXACT!
SUPERGIRL'S BEEN DEPRIVED OF HER POWERS... AND SHE'S TRAPPED INSIDE THE PLACE!
THEN THIS IS DEFINITELY A JOB FOR SUPERMAN! YOU'LL HAVE TO EXCUSE ME, FRIENDS...
GO TO IT, SUPERMAN!
YEAH! TELL THE BAD GUYS ALEC SENT YOU!
AND FASTER THAN YOU CAN SAY 'FASTER THAN A SPEEDING BULLET'...
SO THAT'S HOW IT WAS DONE--SPECIAL SOLAR PANELS DESIGNED TO CONVERT THE SUN'S YELLOW RAYS INTO RED RAYS... TO NULLIFY A KRYPTONIAN'S SUPER-POWERS!
SOMEBODY TURNED THE PURPLE PALACE INTO A "CRIMSON PRISON"!
AND JUDGING BY THE SUPER-SCIENTIFIC GENIUS IT WOULD TAKE TO PULL OFF SUCH A STUNT--I THINK I KNOW WHO THE CULPRIT--
SUPERMAN... DOWN HERE!


SUPERGIRL! HOW DID YOU ESCAPE FROM THAT ESTATE WITHOUT A SINGLE SUPER-POWER?
I OWE IT ALL TO MS. WILSON, SHANNA AND ALEC--ALONG WITH TRS-80 COLOR COMPUTERS...
...THAT ENABLED US TO TAP INTO THE DAILY PLANET'S INFORMATION SERVICE!
A NEWS-STORY ABOUT YOUR RAID ON THE PURPLE PALACE MENTIONED HOW SOME OF THE CROOKS TRIED TO ESCAPE THROUGH AN UNDERGROUND TUNNEL -- WITH A HIDDEN ENTRANCE BEHIND THE JUKEBOX IN THE GAME ROOM!
SURE ENOUGH, THE ENTRANCE WAS STILL THERE ... AND THAT'S HOW I ENDED UP OUT HERE!
MEANWHILE, A SUPER-VISION SCAN INTO THAT SEDAN HAS JUST VERIFIED WHAT I SUSPECTED -- LEX LUTHOR IS THE VILLAIN RESPONSIBLE FOR THE RED SOLAR-RAY TRAP!
EVERY MAN IN THAT CAR IS A LONG-TIME MEMBER OF LUTHOR'S GANG!
THEY'RE PROBABLY ON THEIR WAY UP TO THE PALACE TO CHECK UP ON YOU, COUSIN!
SINCE MY SUPER-POWERS HAVE NOW RETURNED IN FULL FORCE — WHY DON'T WE WRAP UP THIS CASE WITH SOME COUSINLY TEAMWORK?
"NEEDLESS TO SAY, LUTHOR'S THUGS WERE SHOCKED OUT OF THEIR WITS TO FIND THEMSELVES SUDDENLY AIRBORNE... AND ON THEIR WAY TO POLICE HEADQUARTERS!"
YIPES! NOT ONLY DID SUPERGIRL FIND A WAY OUT OF THE BOSS'S TRAP -- SHE EVEN FOUND A WAY TO BRING SUPERMAN IN ON OUR CAPTURE!
WHAT'S THE USE OF SHOOTIN'-- THE BULLETS WILL ONLY BOUNCE OFF 'EM!


AFTER SUPERMAN AND I TURNED THE HENCHMEN OVER TO THE POLICE... I PAID A QUICK VISIT TO LUTHOR IN HIS STATE PENITENTIARY CELL--
--JUST TO LET HIM KNOW IN PERSON THAT HIS PURPLE PALACE TRAP WAS A COLOSSAL FLOP!
AND TO PUT IT MILDLY... LUTHOR WAS "NOT PLEASED" IN THE LEAST TO SEE SUPERGIRL BACK TO HER SUPER-SELF AGAIN!
NATURALLY, I DIDN'T TELL HIM HOW I ESCAPED--HE HAVE YEARS BEHIND BARS TO WONDER ABOUT THAT!
EVEN IF I TOLD HIM THE TRUTH...
... HE'D PROBABLY NEVER BELIEVE HIS SCHEME WAS DONE IN BY A CLASS OF SIXTH GRADERS ... WHO GAINED A VICTORY WITH THE HELP OF MICROCOMPUTERS!
OH, I DON'T KNOW ABOUT THAT, SUPERGIRL!
BETWEEN YOU AND SUPERMAN... SHANNA AND ME...
... AND THE TRS-80 COMPUTERS...
... I'D SAY WE MAKE A PRETTY SENSATIONAL SUPER-TEAM!
FOR ONCE, ALEC... YOU SAID SOMETHING EVERYBODY ELSE WILL AGREE WITH!
31
THE END

STUDENT'S GUIDE TO COMPUTER TERMS

Brief definitions of terms frequently used in describing educational and business computer work.

BASIC	Beginners' All-purpose Symbolic Instruction Code, a widely-used programming language.
BINARY	A numbering system using only two digits, 0 and 1.
BIT	The smallest unit a computer circuit can recognize.
BYTE	A combination of 8 consecutive binary digits.
CASSETTE	An information storage medium composed of magnetic tape on a spool enclosed in a plastic case.
CONTROL	That section of a computer which directs the activity of all other sections.
COURSEWARE	Educational Programs (software) for teaching different subjects.
DATA	The information a computer can process.
ENTER	The last key on a keyboard that must be pressed to enter data into the computer.
FLOPPY DISC	Flexible magnetic disc used for storage of information.
INFORMATION RETRIEVAL SYSTEM	A system using a TRS-80 Color Computer and Telephone Interface II, or a TRS-80 Videotex terminal with a color or black and white TV set to access all kinds of information through a central information service.
INPUT DEVICES	The keyboard, or a cassette tape player, are used to feed data into a computer memory section.
INTERFACE	An electronic or electrical link which permits different types of systems to work together.
LINE NUMBER	In an example of BASIC programming it reads like this: 20 PRINT "COMPUTER TEST".
MEMORY	The section of a computer used for storage of information (also called data).
OUTPUT DEVICES	A cassette tape recorder records, and the video monitor (TV) displays on its screen, or a line printer prints on paper, the output (answers) from the computer.
PRINT, LET, GOTO	These terms are examples of BASIC program statements.
PROGRAM	The set of instructions a computer follows to process and deliver its answer or information requested by the operator.
RAM	Random Access Memory.
ROM	Read Only Memory.
RUN	The word which must be typed on the keyboard into the computer to start it processing an answer or information requested from its "program".
SOFTWARE	Programs with instructions the computer must follow for different kinds of work.

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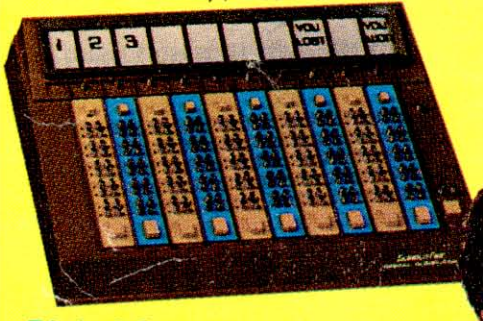

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