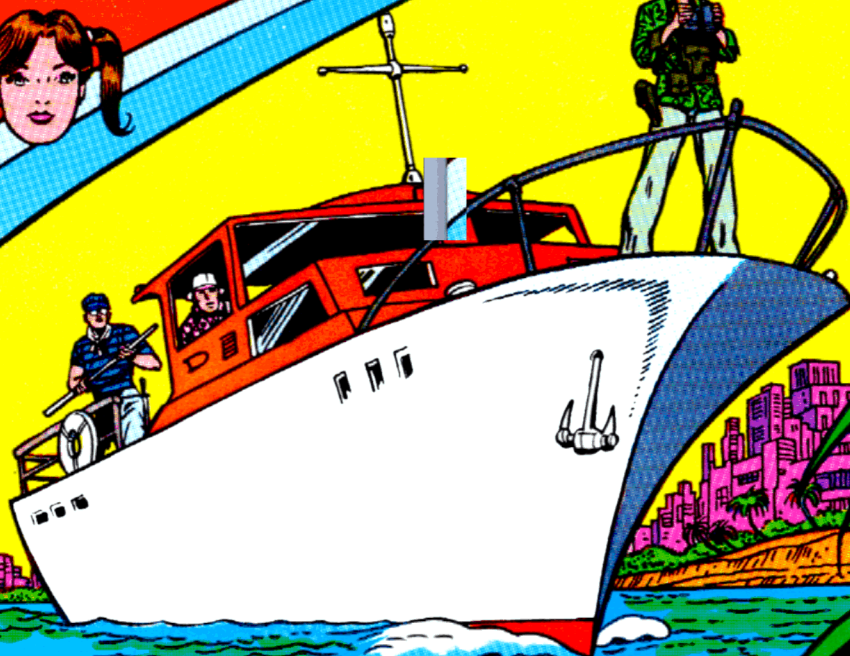
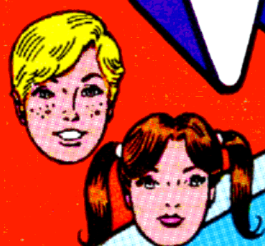


**TANDY COMPUTER**

CAT. NO. 68-2030

# Whizkids™



**ALEC AND SHANNA**

STARRING IN

**THE COMPUTERS THAT SAID**

**NO**

**TO DRUGS!**

COMPLIMENTS OF

**Radio Shack®**

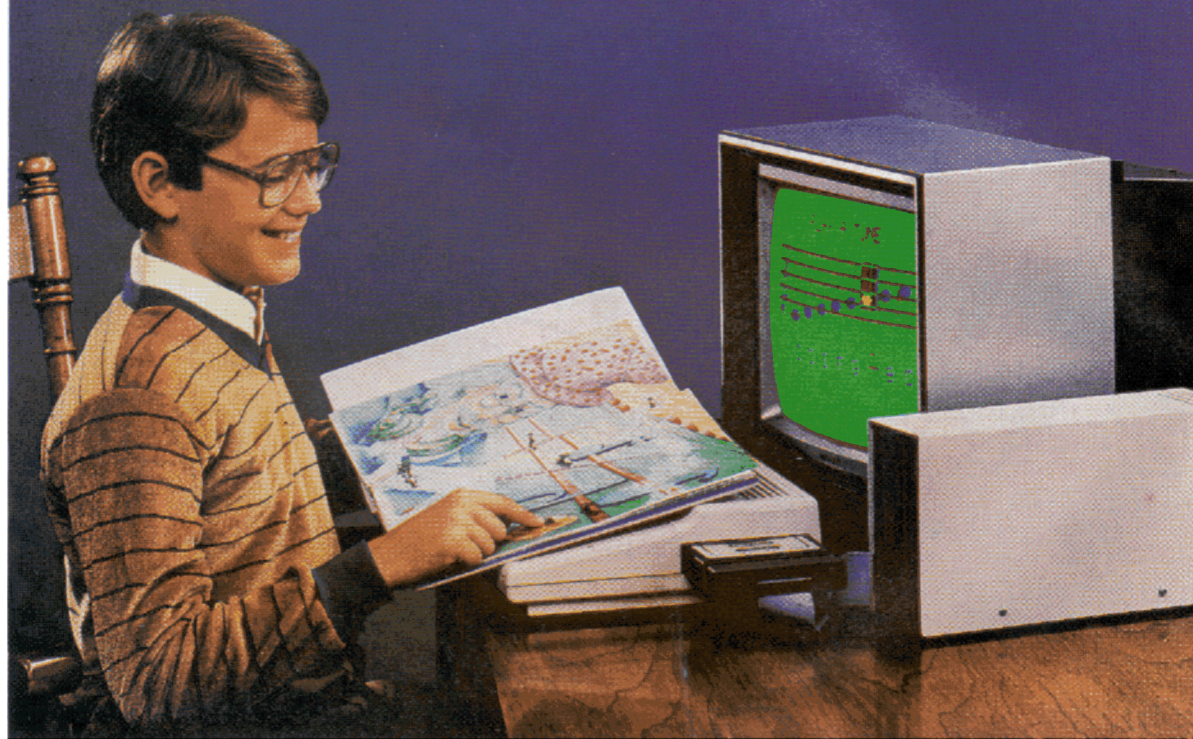
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TANDY COMPUTER

# Whizkids

ALEC AND SHANNA  
STARRING IN

## THE COMPUTERS THAT SAID "NO" TO DRUGS!

ALONG THE INTRACOASTAL WATERWAY...

HEY, JOE -  
THIS'S GOTTA  
BE ONE OF THE  
SLICKEST  
SMUGGLING JOBS  
IN THE COUNTRY!

YOU'RE CATCHING ON,  
KENT! I'LL BET THE  
POLICE AND COAST GUARD  
ARE GOING CRAZY TRYING  
TO FIGURE IT OUT!

HA!  
HA!

YEAH, BUT  
LET'S NOT FORGET  
WHOSE IDEA IT  
WAS IN THE FIRST  
PLACE -

WRITER: PAUL KUPPERBERG • ARTISTS: DICK AYERS & CHIC STONE • EDITORIAL DIRECTOR: WILLIAM PALMER

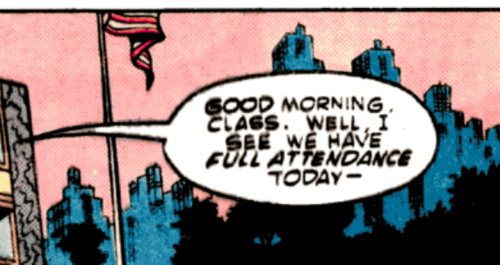
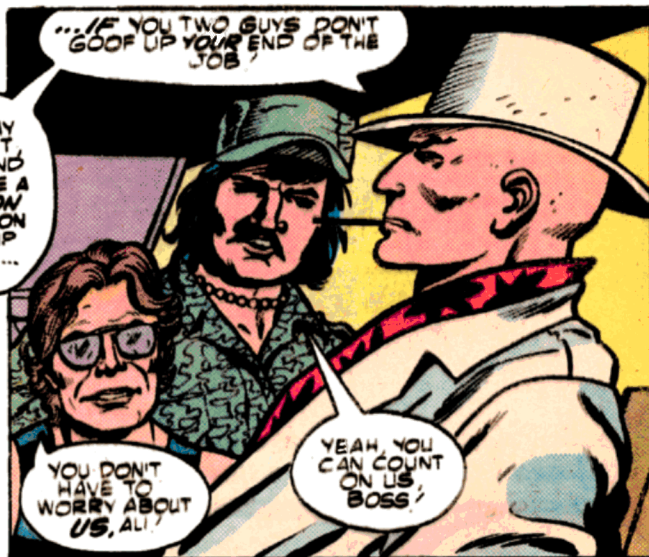
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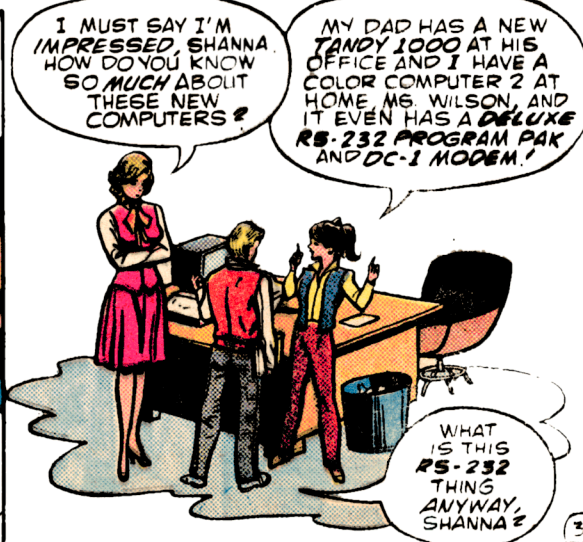
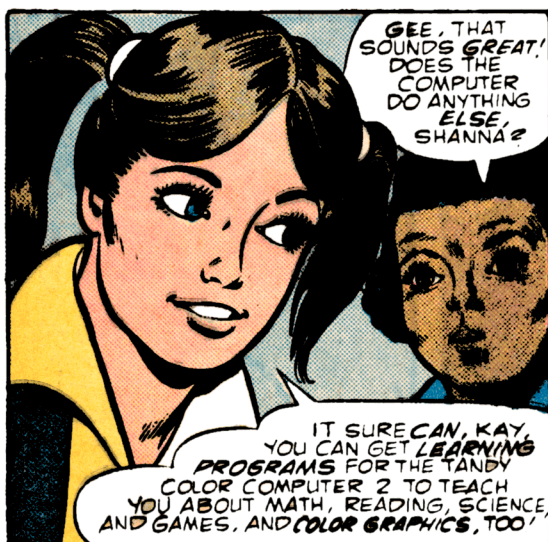
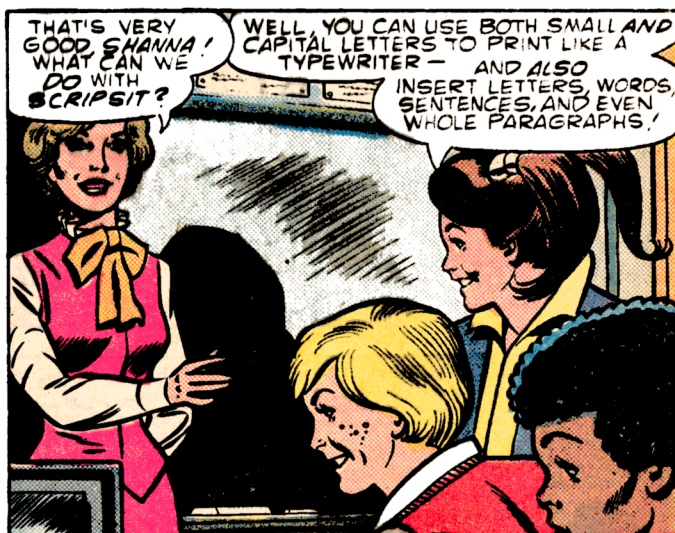
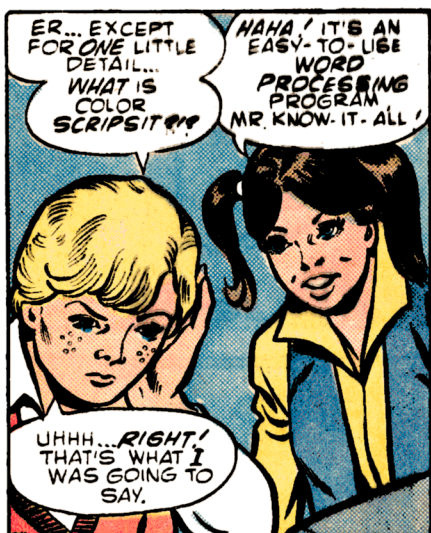
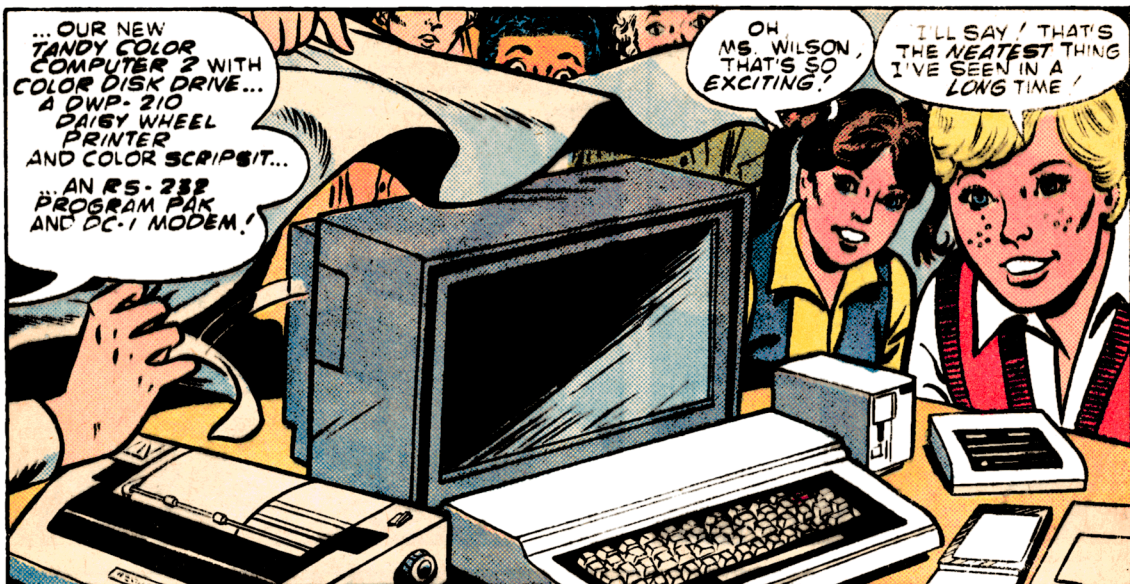




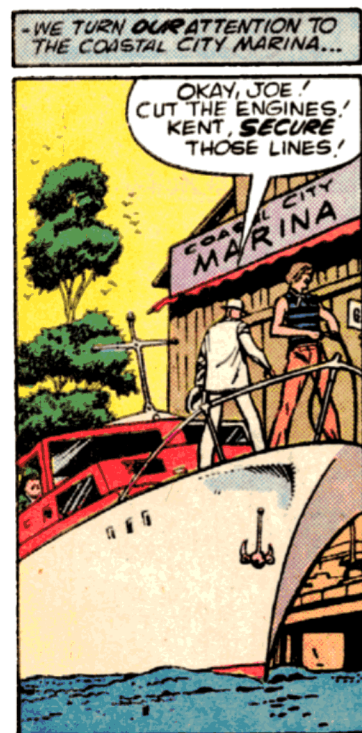
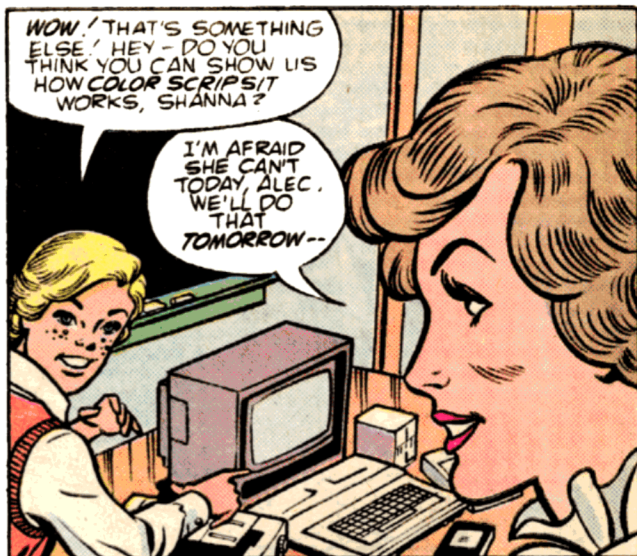
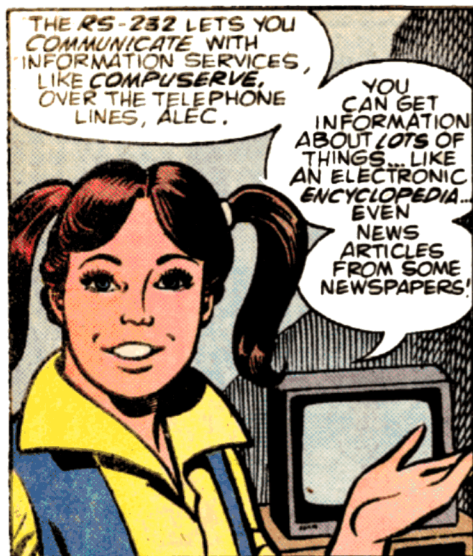
THE WAY I SEE IT, WE STAND TO MAKE A MILLION BUCKS ON THIS TRIP ALONE...



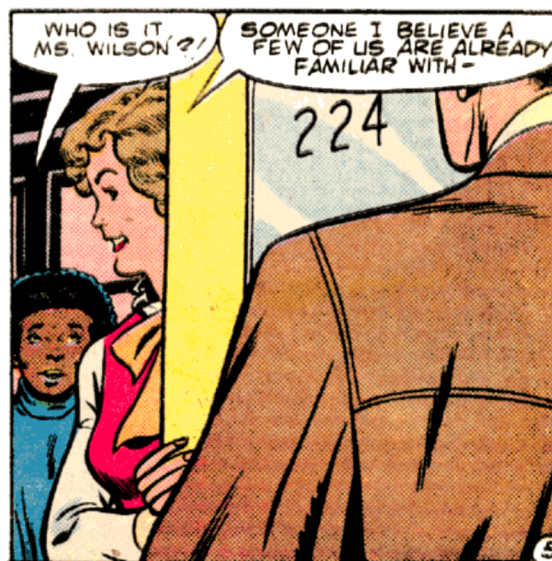
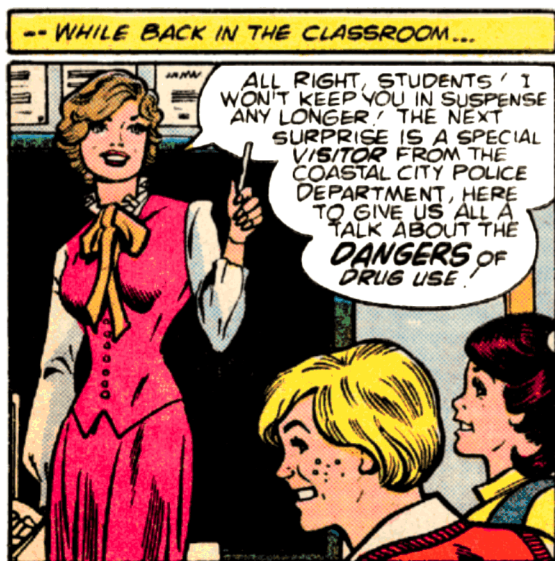
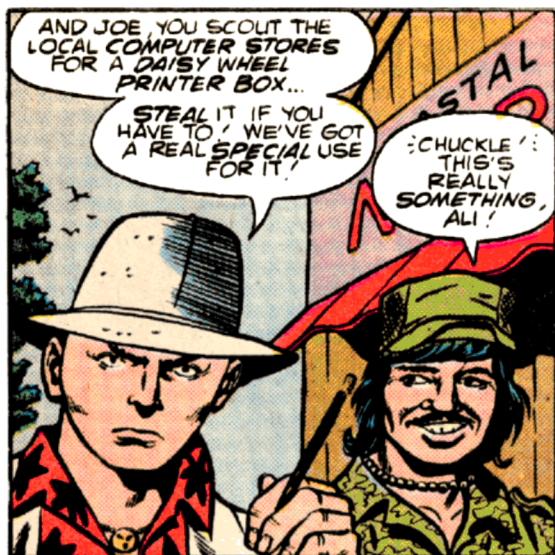




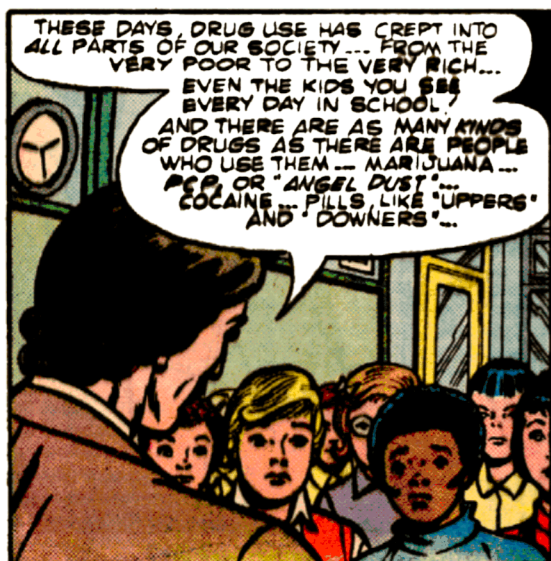
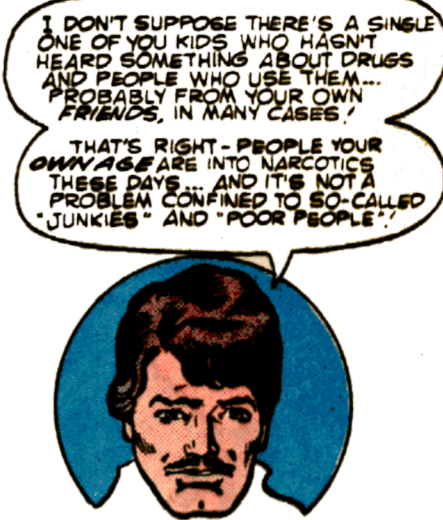
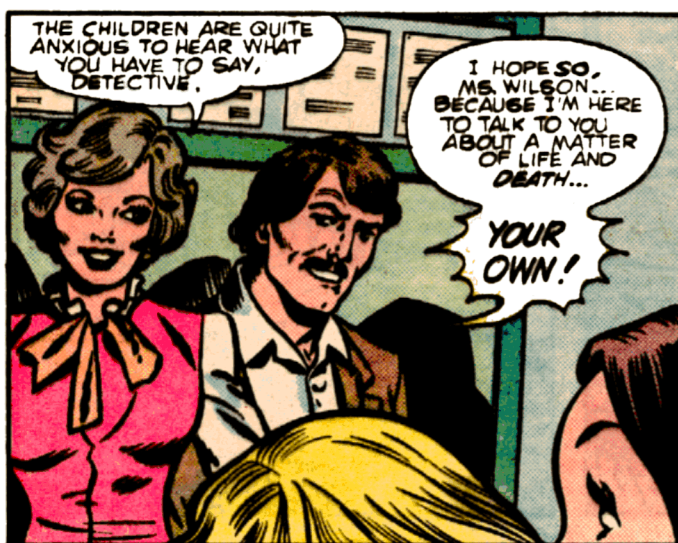




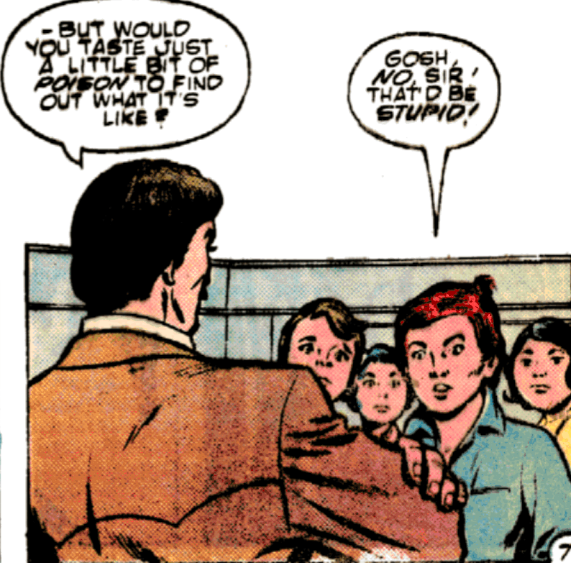
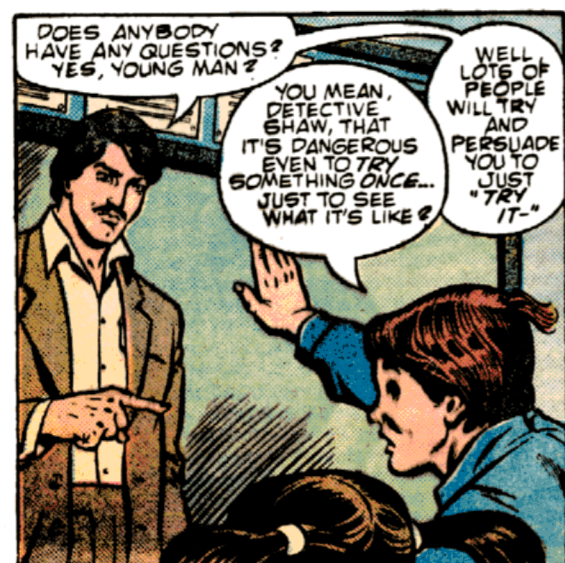
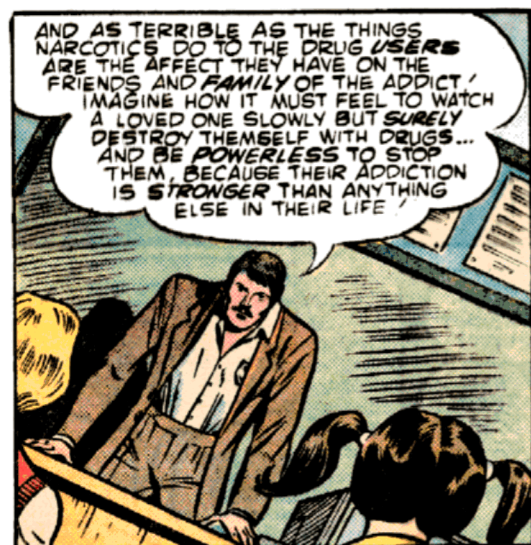
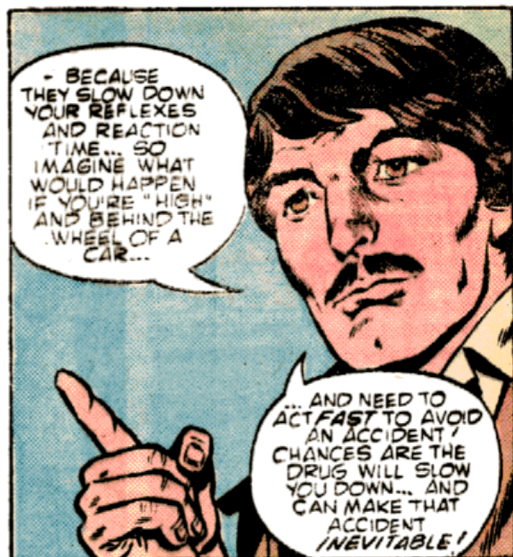








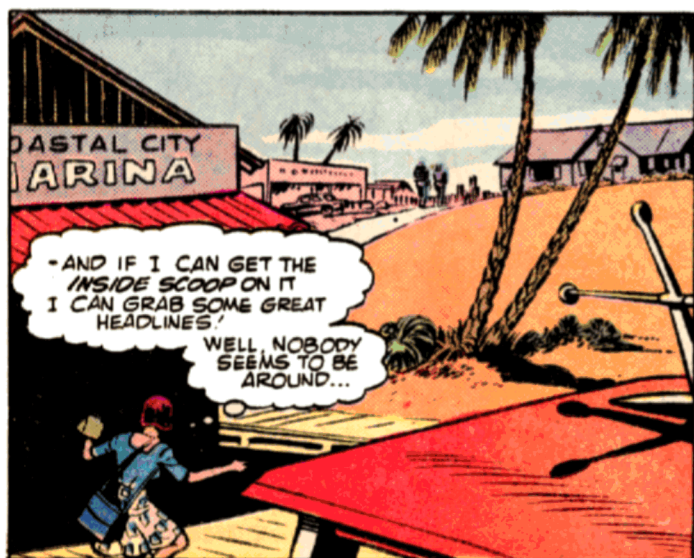
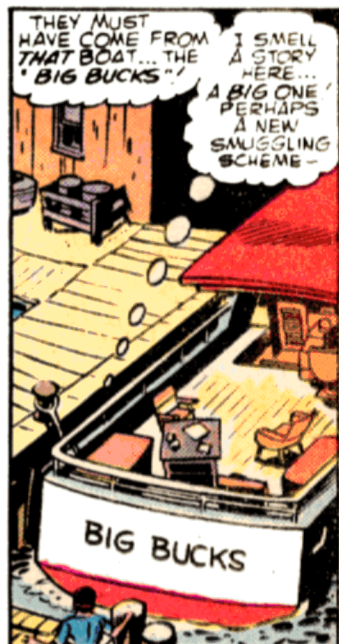
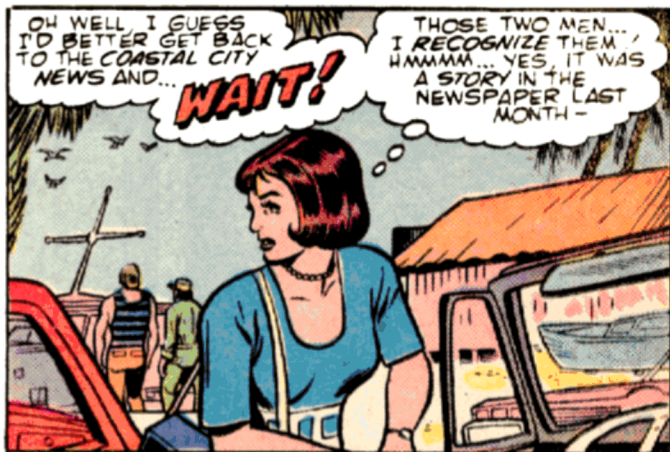
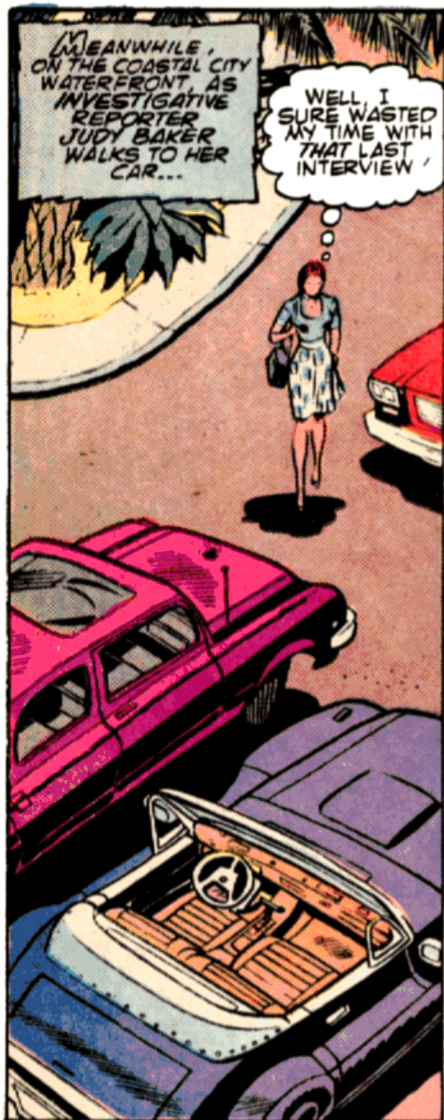




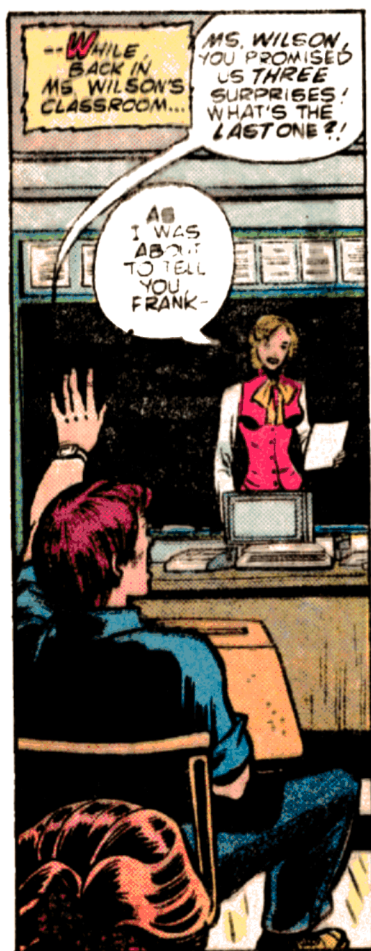




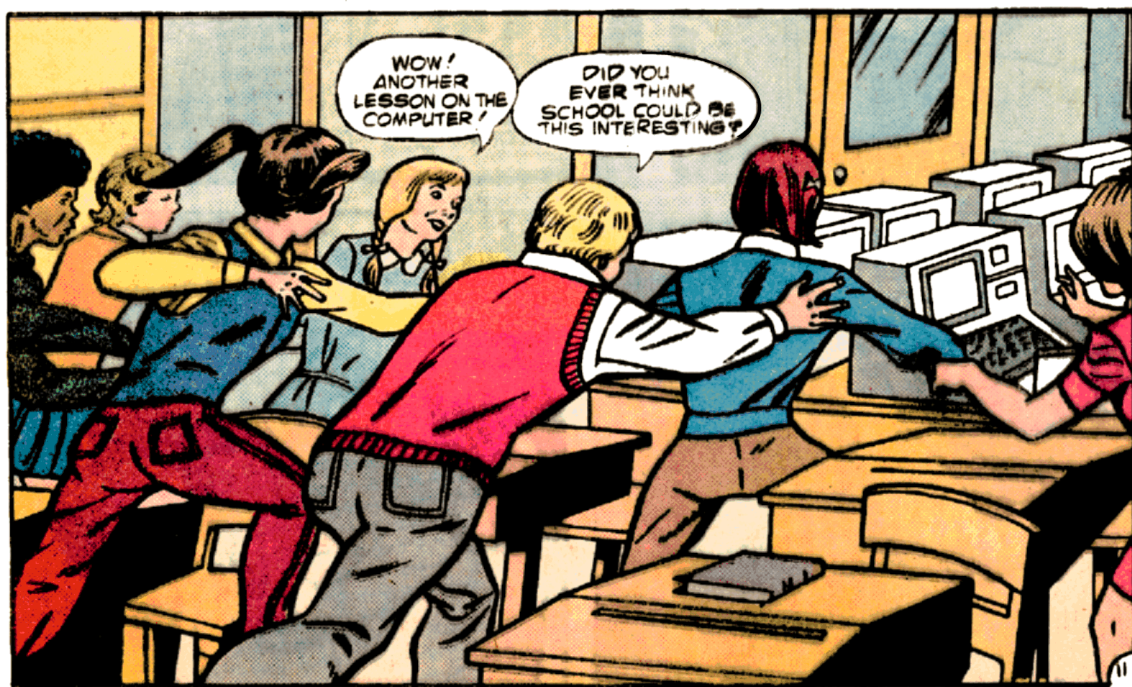
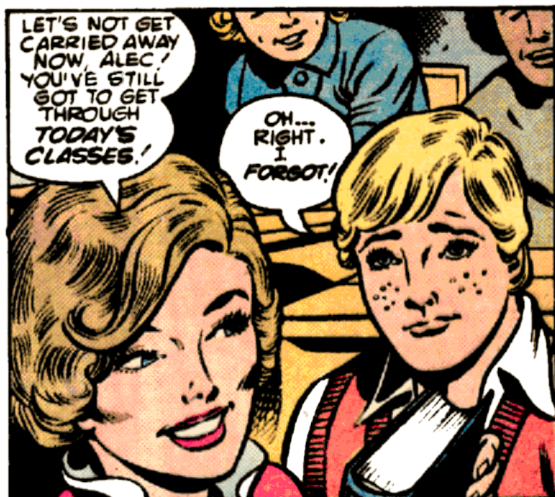




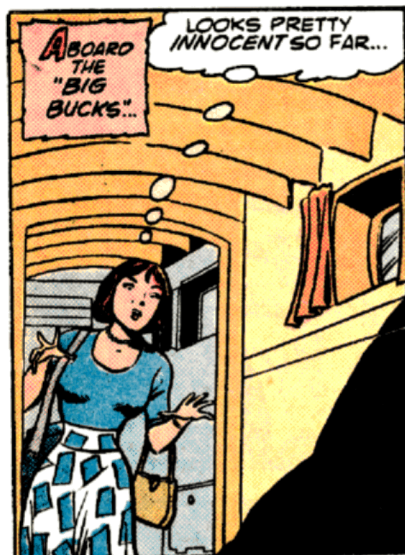












LOOKS PRETTY INNOCENT SO FAR...



"BUT THEN, NO SELF-RESPECTING SMUGGLERS ARE GOING TO LEAVE EVIDENCE LAYING AROUND IN PLAIN SIGHT!" NO THEY'D HIDE IT, WHERE THEY BELIEVED NOBODY CAN FIND IT...

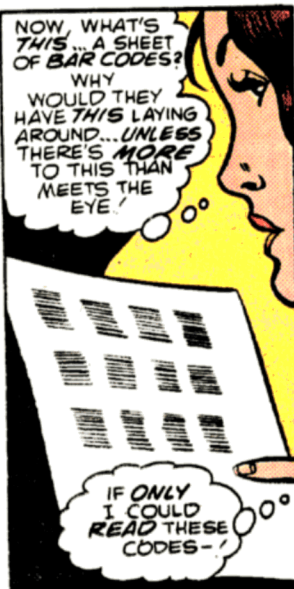


...SOMEWHERE ONLY THEY COULD HAVE ACCESS TO IT! I... WAIT—



UNLESS...THERE'S SOMETHING TO POINT TO IT IN THE DESK!

LET'S SEE... THIS IS MOSTLY JUNK, BUT MAYBE...



NOW, WHAT'S THIS... A SHEET OF BAR CODES?

WHY WOULD THEY HAVE THIS LAYING AROUND...UNLESS THERE'S MORE TO THIS THAN MEETS THE EYE!

IF ONLY I COULD READ THESE CODES—!



...NO MATTER... I'VE GOT A HUNCH THIS BRIEFCASE HAS WHAT I'M LOOKING FOR!

IF I'M LUCKY, THIS WILL GIVE ME THE NEWS SCOOP OF THE YEAR!

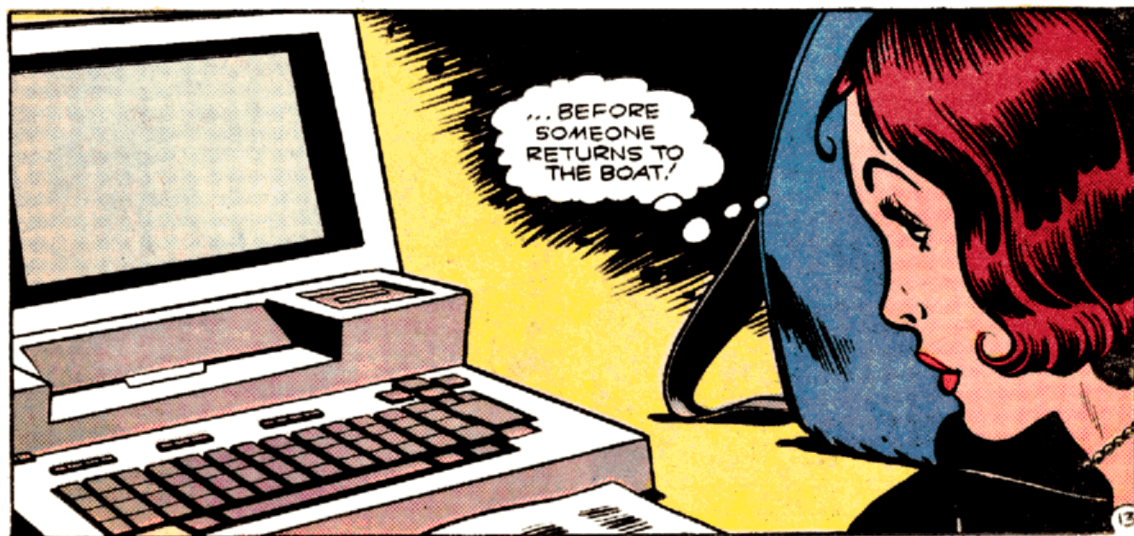
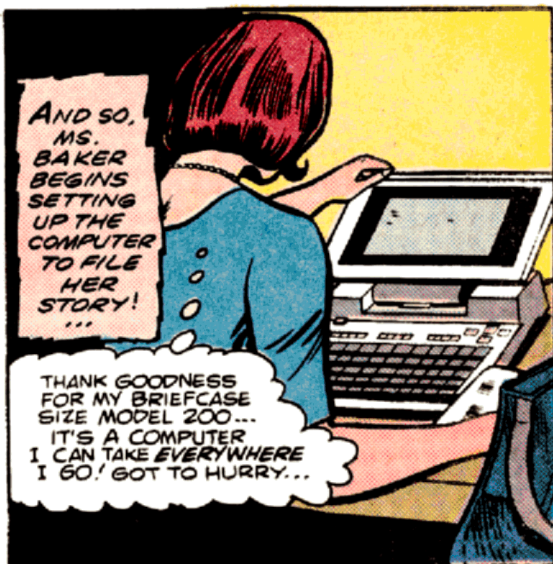


HMMM! THIS BLACK FILE FOLDER LOOKS A LITTLE WEIRD... WONDER WHAT'S IN IT—

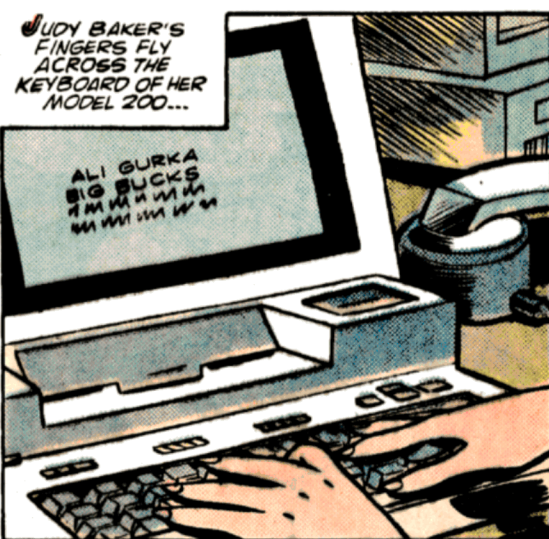
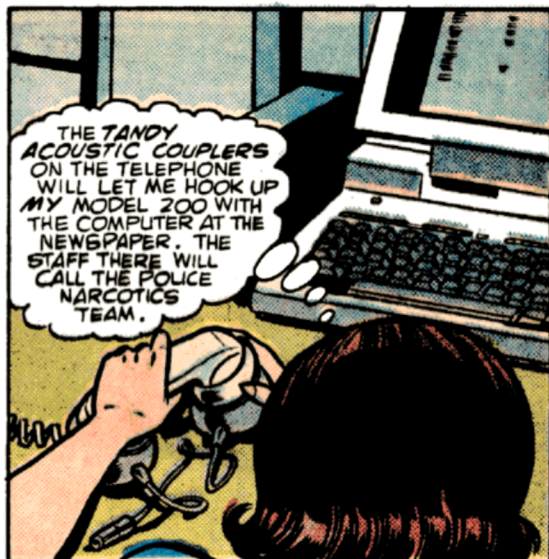


AH! NOW I'M GETTING CLOSER TO THE SECRET OF THIS OPERATION... THIS PAGE LOOKS LIKE A PLAN...

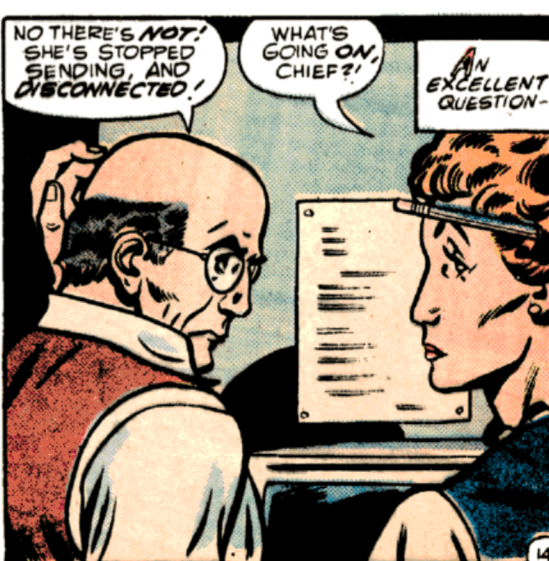






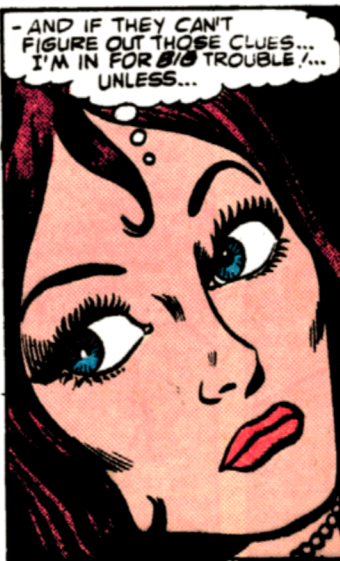


TRANSMITTING THE FIRST DETAILS OF HER SENSATIONAL STORY ACROSS THE TELEPHONE WIRES TO THE OFFICES OF THE COASTAL CITY NEWS, WHERE IT IS READ BY A PUZZLED EDITOR... "DRUGS TO BE HIDDEN IN BOXES AT SCIENCE EXHIBIT"...





-THAT CAN ONLY BE ANSWERED BY  
RETURNING TO THE "BIG BUCKS"...





THE COASTAL CITY POLICE HEADQUARTERS...

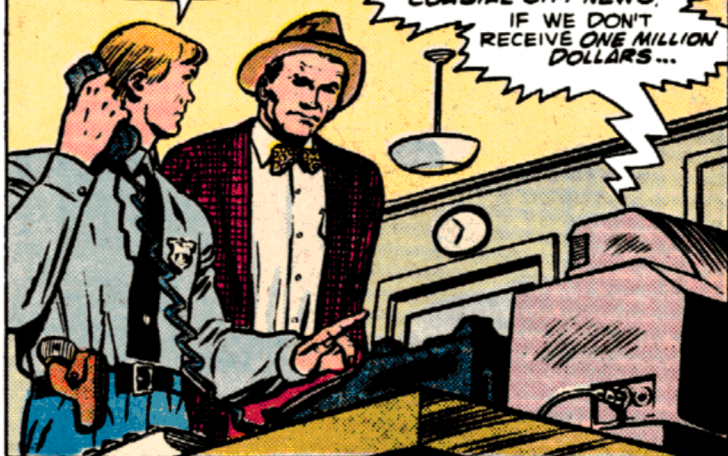
HEY, CAPTAIN MARTIN! YOU BETTER COME AND HEAR THIS PHONE CALL...



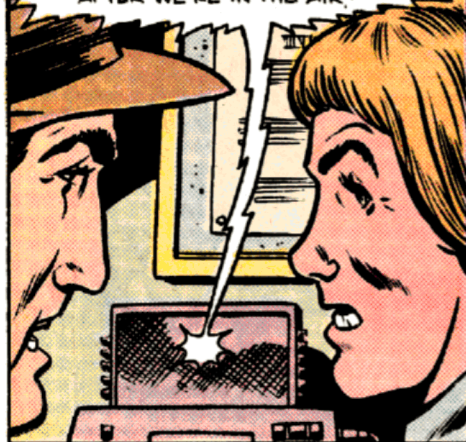
IT'S A RANSOM DEMAND FOR A REPORTER! I'VE PUT IT ON THE SPEAKERPHONE!

I WON'T SAY THIS AGAIN, SO LISTEN GOOD! WE'RE HOLDING JUDY BAKER, WHO TELLS US SHE'S A REPORTER FOR THE COASTAL CITY NEWS!

IF WE DON'T RECEIVE ONE MILLION DOLLARS...



...PLUS SAFE CONDUCT TO THE AIRPORT, AND A PLANE FUELED AND READY TO FLY US OUTTA HERE - AND WE'LL TELL THE PILOT WHERE WE WANT TO GO AFTER WE'RE IN THE AIR!



I'LL CALL BACK AT 6 A.M. SHARP TOMORROW MORNING TO TELL YOU WHERE TO DELIVER THE RANSOM. AND YOU'D BETTER HAVE THE MONEY AND THE PLANE READY...

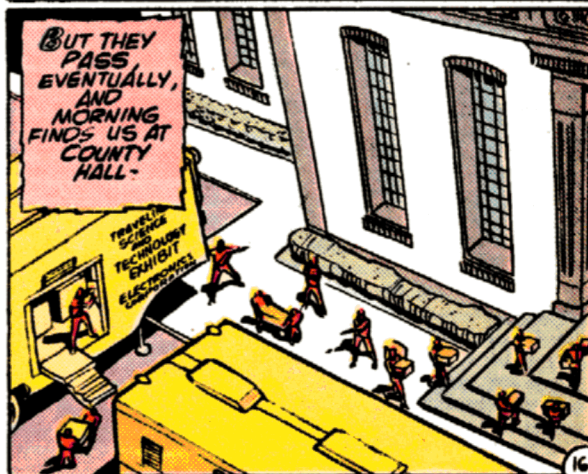


...OR YOU'LL NEVER SEE THE NEWSPAPER REPORTER AGAIN!

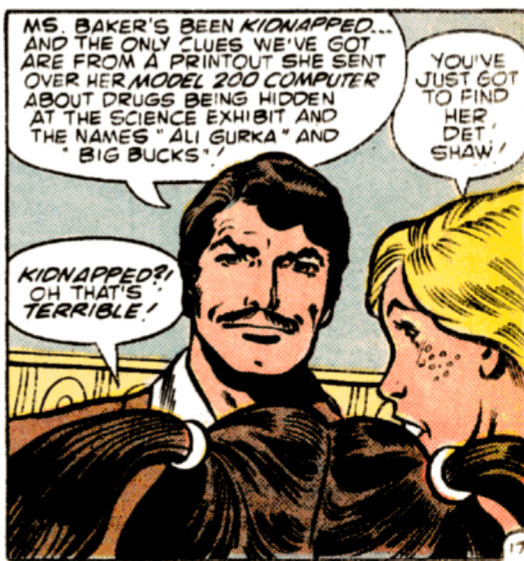
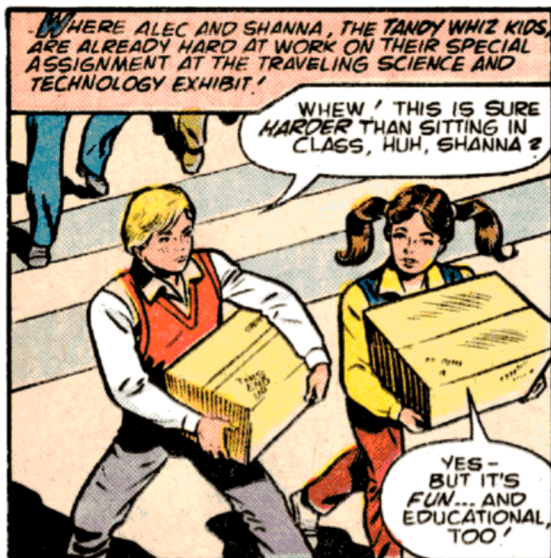


THESE ARE ANXIOUS HOURS FOR THE POLICE AND STAFF OF THE COASTAL CITY NEWS, AS THEY AWAIT WORD ON JUDY BAKER!

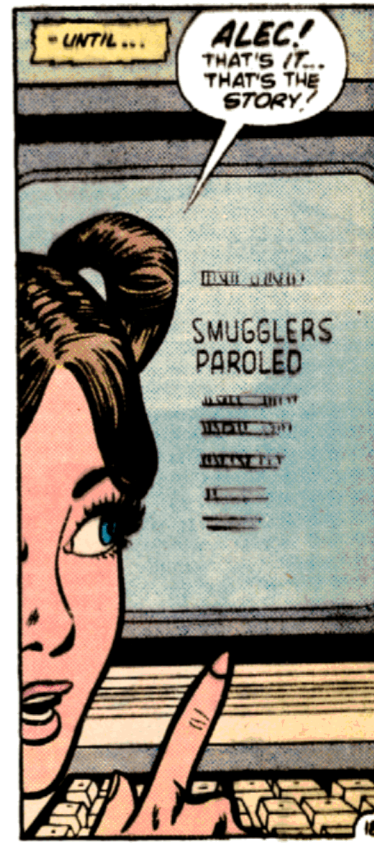
BUT THEY PASS EVENTUALLY, AND MORNING FINDS US AT COUNTY HALL -















"SMUGGLERS PAROLED... KENT JONES, AND JOE ORTEGA... AND ALI GURKA!"

MS. BAKER WAS TRYING TO TELL US SHE'S BEEN KIDNAPPED BY THOSE SMUGGLERS! NOW IF ONLY WE KNEW WHAT 'BIG BUCKS' MEANT...

DET. SHAW! YOU'VE GOTTA SEE THIS!



GURKA! I SHOULD'VE RECOGNIZED IT IMMEDIATELY! THIS IS THE FIRST LEAD WE'VE GOTTEN! GOOD WORK, SHANNA!

ANYTHING TO HELP MS. BAKER!

WHAT NEXT, DETECTIVE SHAW?

"NEXT," DETECTIVE SHAW SAYS GRIMLY, "WE HEAD FOR HEADQUARTERS AND SEE WHAT OUR POLICE COMPUTERS CAN DIG UP ON ALI GURKA!"

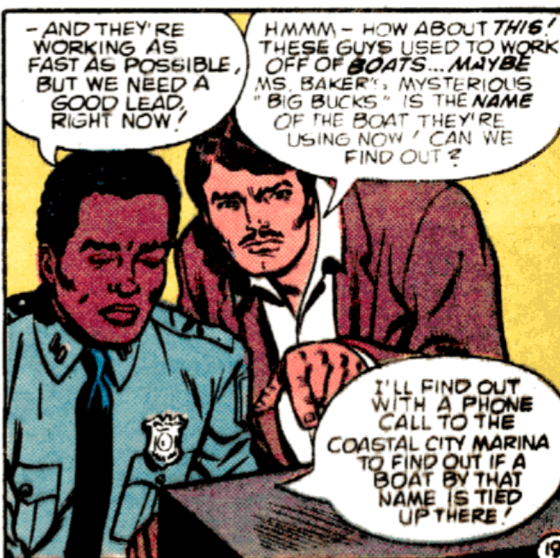


...ACCORDING TO THE REPORTS FROM THEIR PAROLE OFFICERS, GURKA, JONES, AND ORTEGA DROPPED OUT OF SIGHT SHORTLY AFTER THEIR RELEASE!



WELL THEY'RE BACK... ADDING KIDNAPPING TO THEIR LIST OF CRIMES! ANYWAY WE CAN TRACK THEM DOWN, BILL?

OUR COMPUTERS ARE TIED INTO A NATIONWIDE NET - WORK OF LAW ENFORCEMENT COMPUTERS -



- AND THEY'RE WORKING AS FAST AS POSSIBLE, BUT WE NEED A GOOD LEAD, RIGHT NOW!

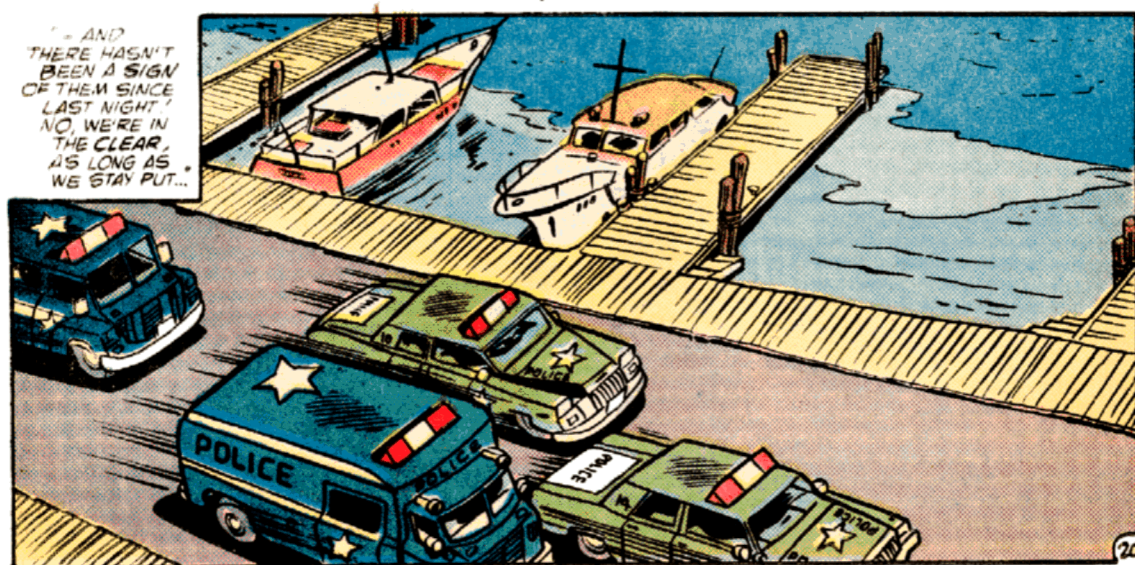
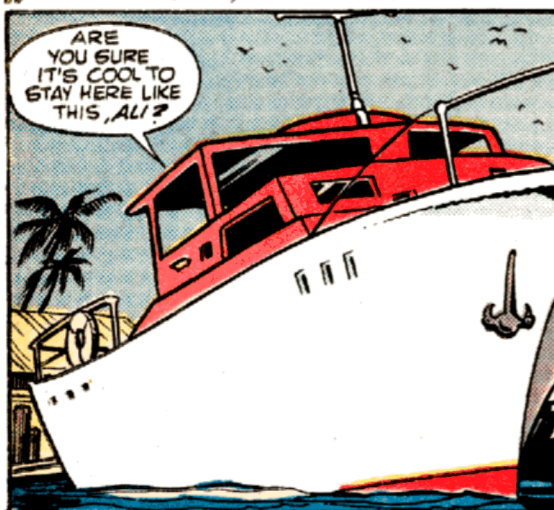
HMMM - HOW ABOUT THIS! THESE GUYS USED TO WORK OFF OF BOATS... MAYBE MS. BAKER'S MYSTERIOUS "BIG BUCKS" IS THE NAME OF THE BOAT THEY'RE USING NOW! CAN WE FIND OUT?

I'LL FIND OUT WITH A PHONE CALL TO THE COASTAL CITY MARINA TO FIND OUT IF A BOAT BY THAT NAME IS TIED UP THERE!

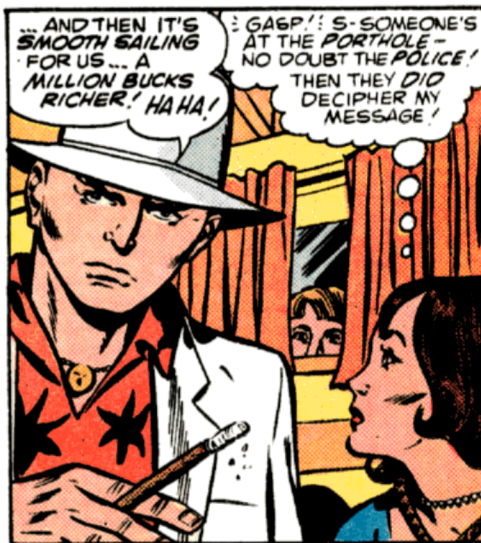
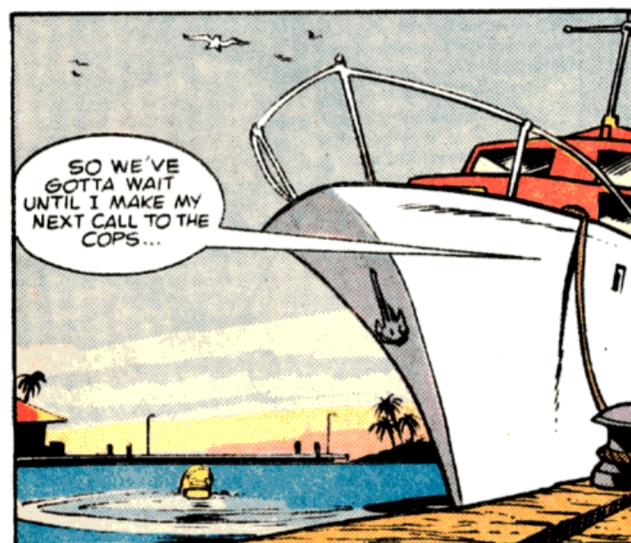
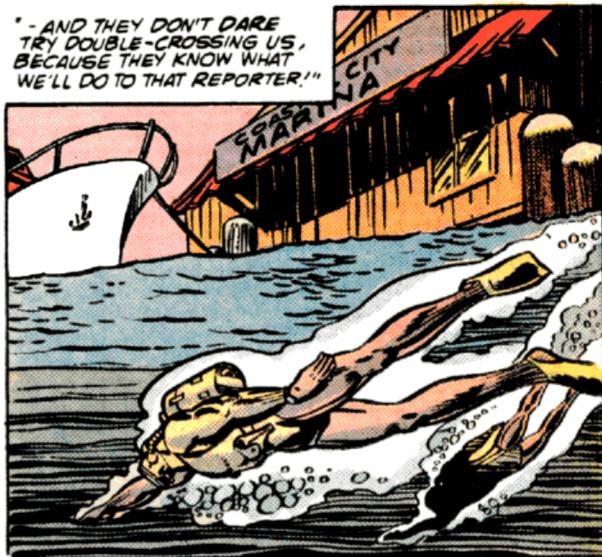
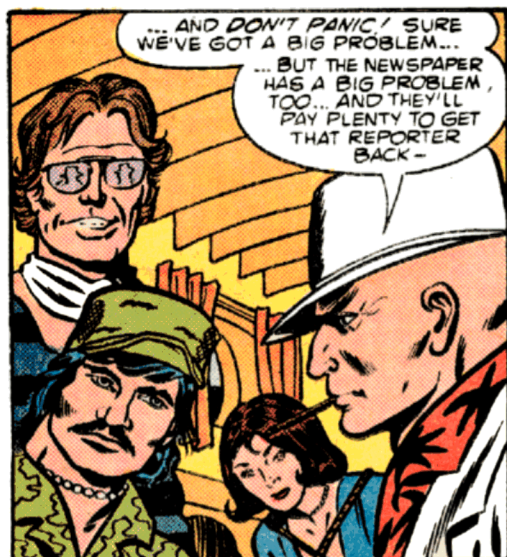




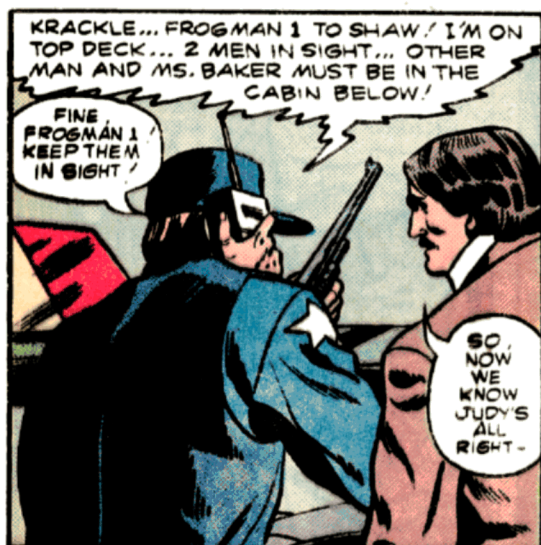
HALF AN HOUR LATER, AT THE COASTAL CITY MARINA...



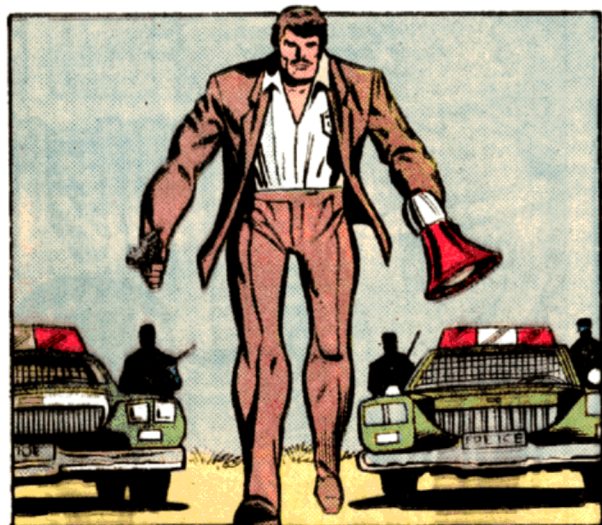
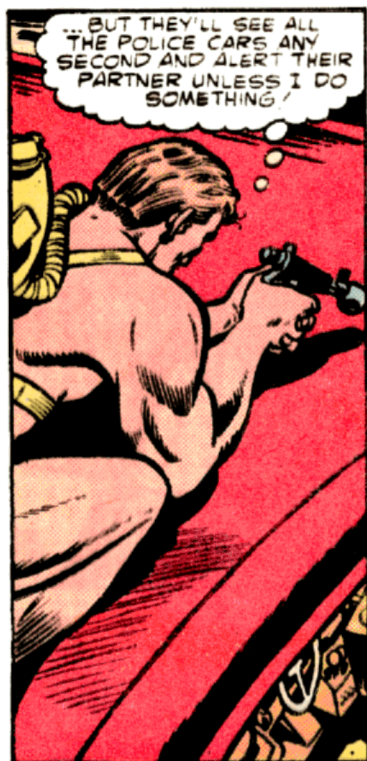








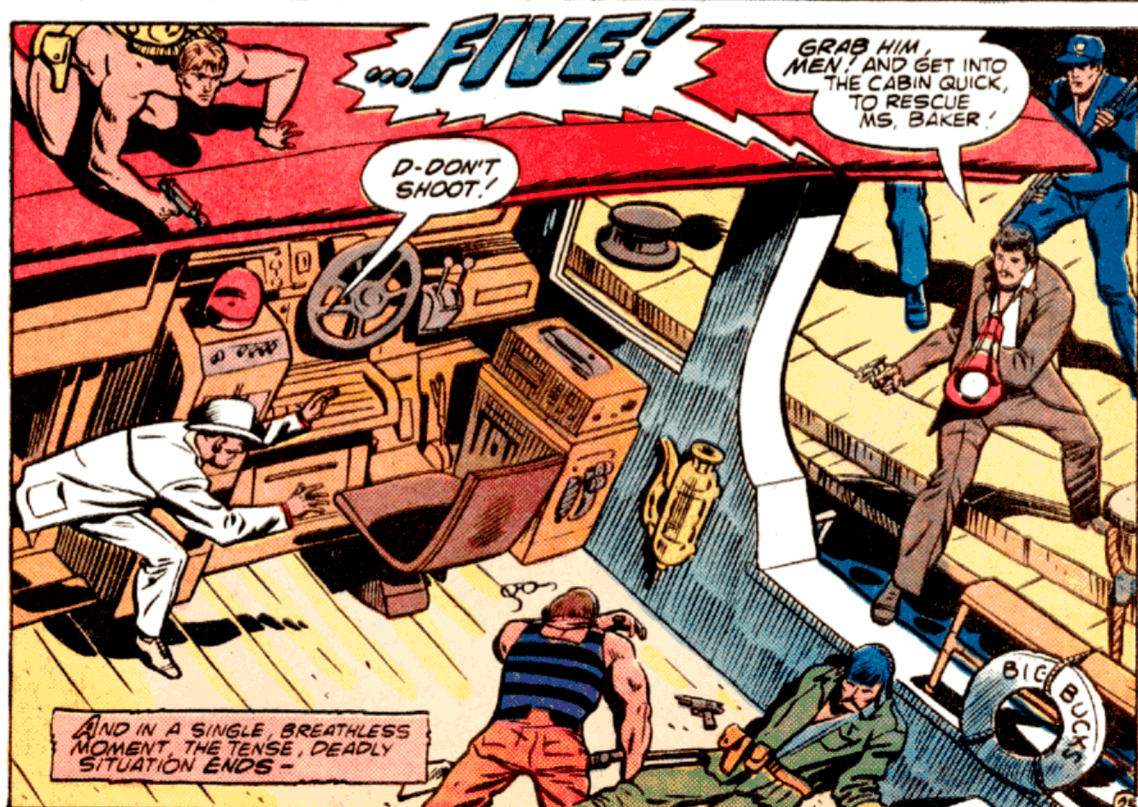
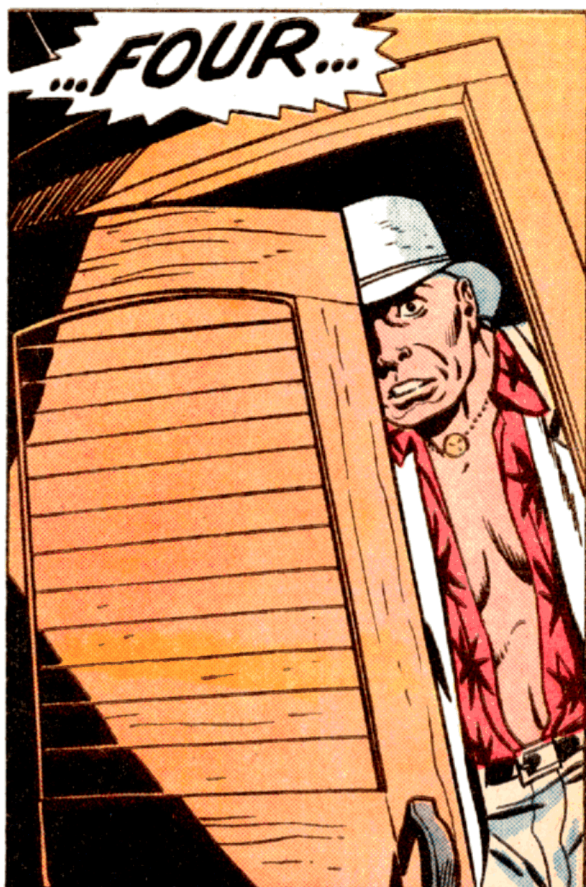




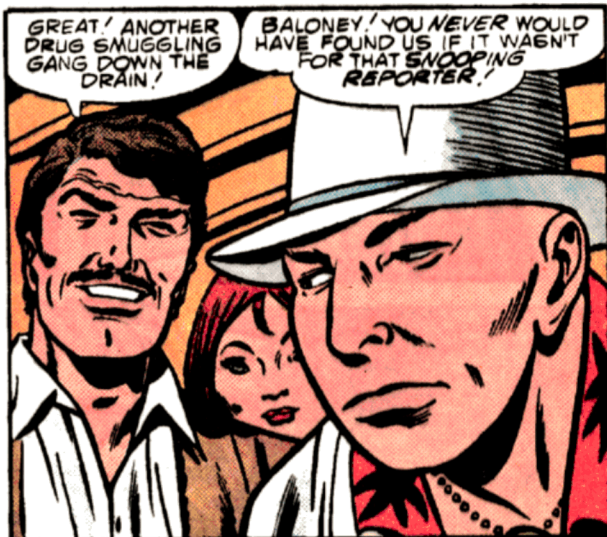
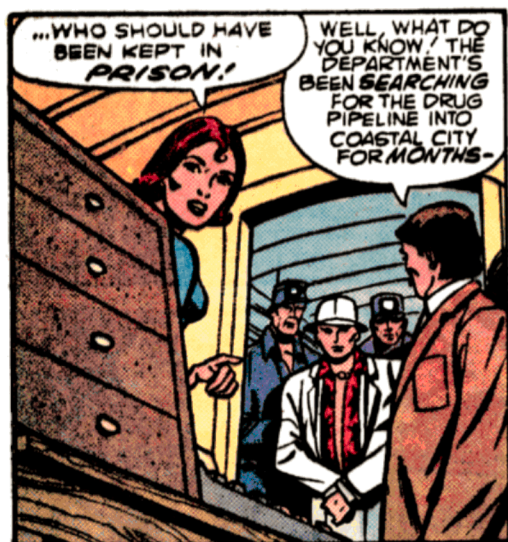














AND SO, THE NEXT DAY WHEN THE TRAVELING SCIENCE AND TECHNOLOGY EXHIBIT OPENS IN COASTAL CITY, SPECIAL CEREMONIES ARE ADDED TO THE DAY'S EVENTS...

WELCOME TO THE GRAND OPENING OF THIS UNIQUE EVENT, LADIES AND GENTLEMEN OF OUR FINE CITY! WE'RE PROUD TODAY TO NOT ONLY WELCOME THE TRAVELING EXHIBIT TO COASTAL CITY-

-BUT ALSO TO HONOR FOUR COURAGEOUS CITIZENS OF OUR CITY... DETECTIVE SHAW OF THE COASTAL CITY POLICE... JUDY BAKER OF THE COASTAL CITY NEWS...

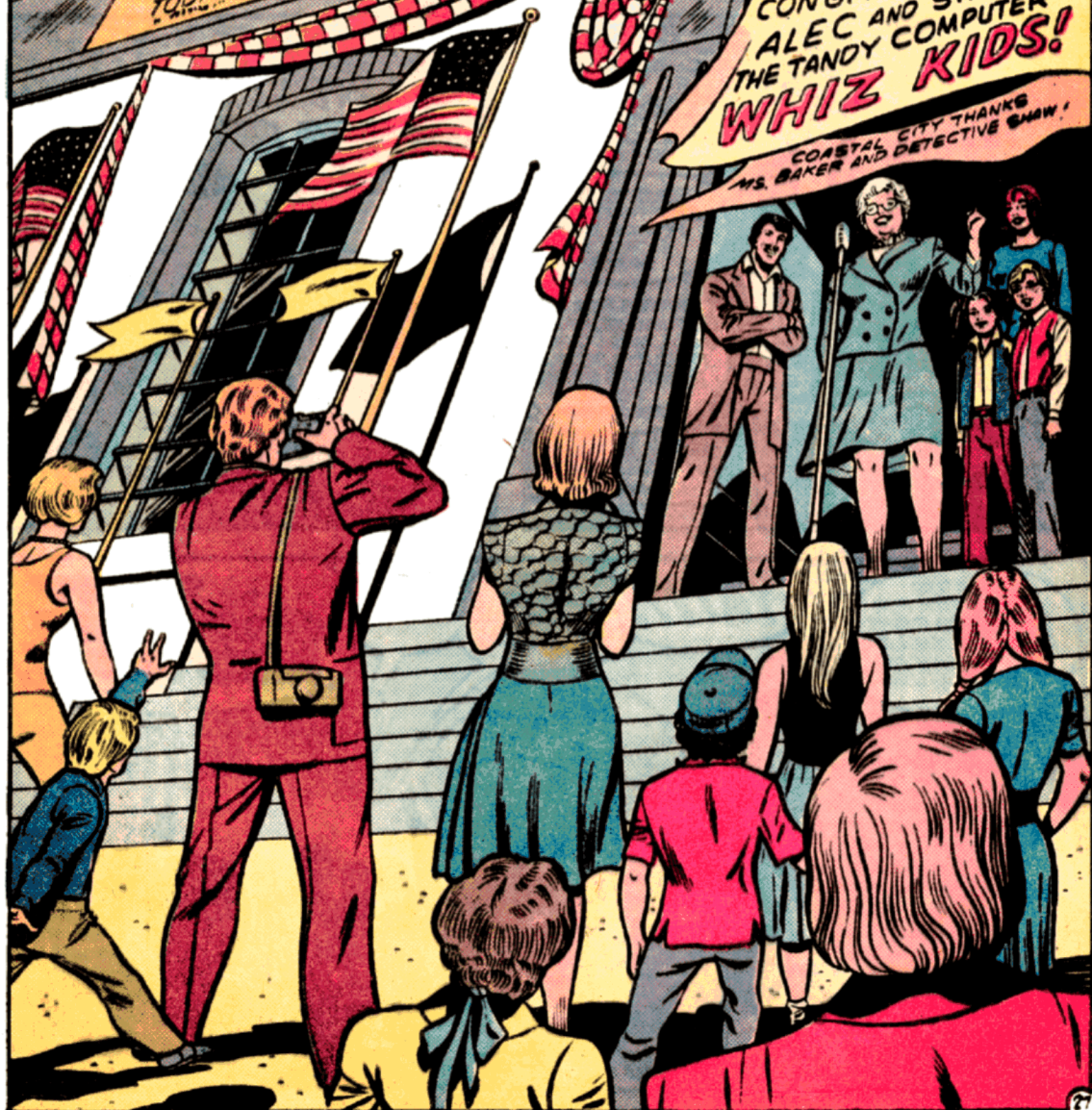
... AND ALEC AND SHANNA, OUR OWN TANDY COMPUTER WHIZ KIDS, FOR THEIR PART IN HELPING IDENTIFY AND APPREHEND DRUG SMUGGLERS WHO SOUGHT TO USE THIS EXHIBIT TO SPREAD THEIR VILE NARCOTICS INTO OUR COUNTRY!

# TRAVELING SCIENCE EXHIBIT

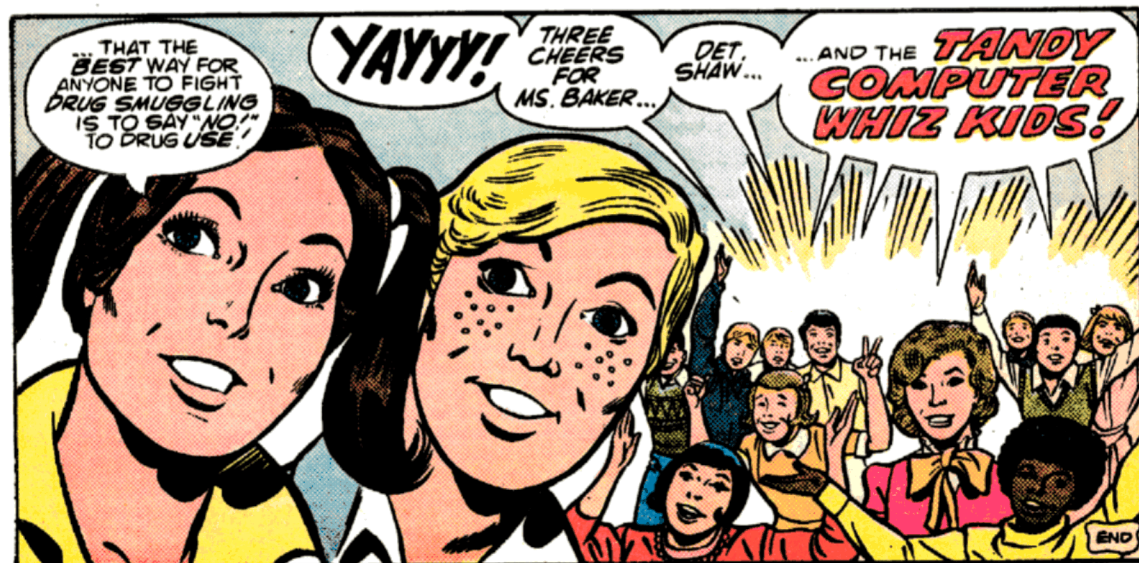
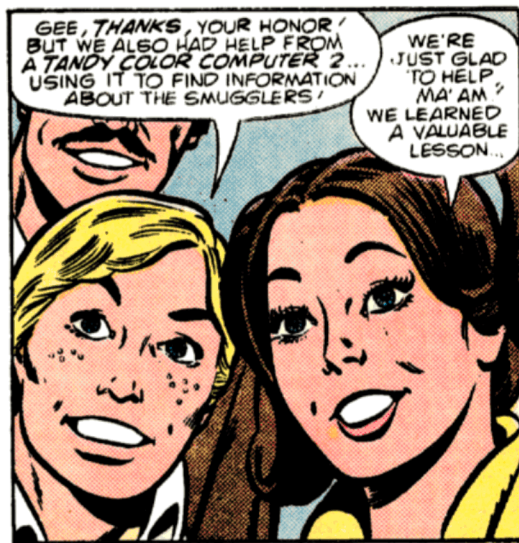
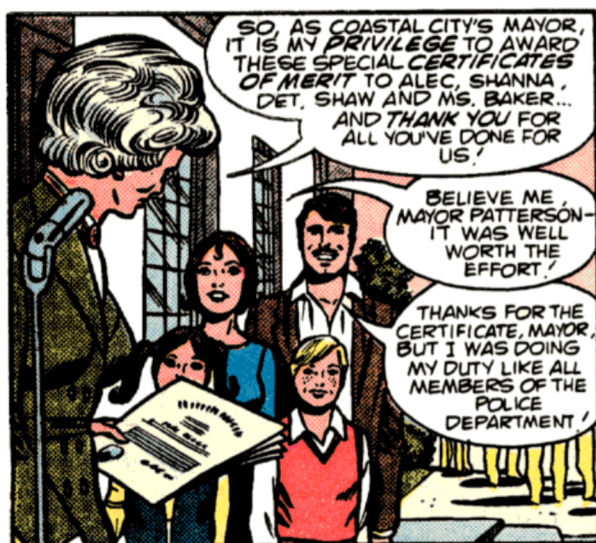
TODAY 11AM

CONGRATULATIONS ALEC AND SHANNA, THE TANDY COMPUTER WHIZ KIDS!

COASTAL CITY THANKS MS. BAKER AND DETECTIVE SHAW!





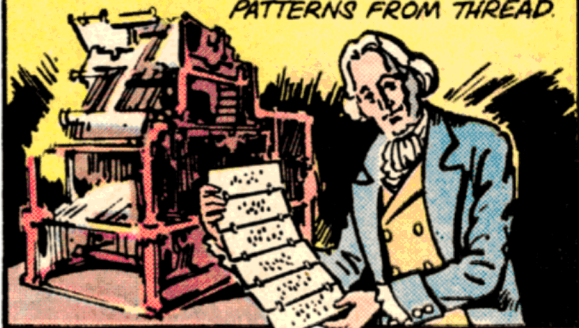




# TANDY bits & bytes of Computer History

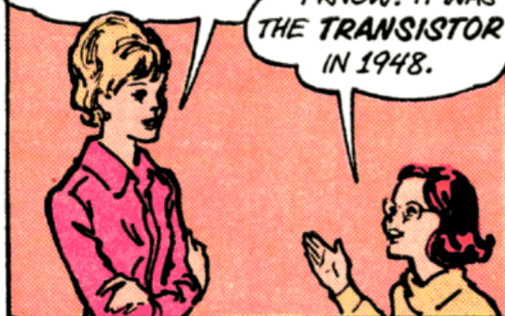
**T**ODAY, MICROCOMPUTERS (MEANING TINY IN SIZE) ARE RESHAPING OUR WAY OF LIFE. THE **COMPUTER AGE** IS TRULY HERE. BUT, IT REALLY BEGAN ALMOST **200** YEARS AGO!

ON 1801, JOSEPH MARIE JACQUARD, CALLED THE "FATHER OF THE COMPUTER," WAS HONORED BY THE EXPOSITION IN PARIS FOR A WEAVING LOOM WHICH USED PROGRAMMED, PUNCHED, CARDS TO CONTROL THE WEAVING OF COMPLEX PATTERNS FROM THREAD.



IN THE LATE 1940'S, SCIENTISTS MADE A REVOLUTIONARY DISCOVERY FOR RADIO CIRCUITS. WHAT WAS IT?

I KNOW! IT WAS THE **TRANSISTOR** IN 1948.



JOHN BARDEEN



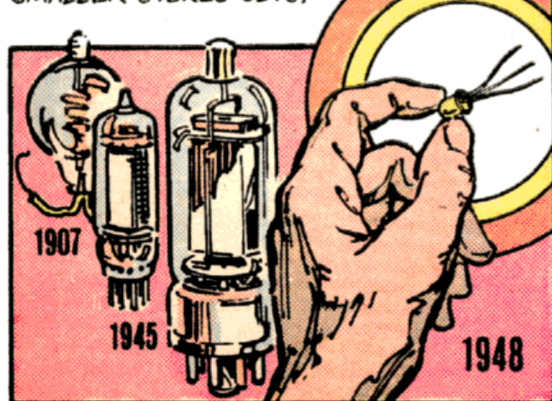
WALTER BRATTAIN



WILLIAM SHOCKLEY

YES, THE NOBEL PRIZE IN PHYSICS WAS SPLIT BETWEEN THREE AMERICANS... FOR INVENTING THE TRANSISTOR: JOHN BARDEEN, WILLIAM SHOCKLEY, AND WALTER BRATTAIN.

THEIR RESEARCH WAS DONE AT WORLD FAMOUS BELL TELEPHONE LABS. MANY TIMES SMALLER THAN RADIO TUBES, THE TRANSISTOR MADE POSSIBLE POCKET RADIOS, CALCULATORS, AND SMALLER STEREO SETS.



SHOWN BESIDE A COIN TO GIVE YOU AN IDEA OF ITS SMALL SIZE.



NEXT CAME THE TINY IC (INTEGRATED CIRCUIT) USED IN TODAY'S RADIOS, STEREO HI-FI SETS, AND POWERFUL DESK-SIZE HOME AND BUSINESS COMPUTERS LIKE THE **TANDY 1000.** 29





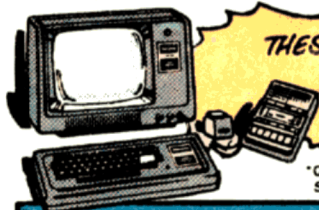


# COMPUTERS and ASTRONOMY...

**T**HE WORLD'S FIRST ALL-ELECTRONIC COMPUTERS WERE MADE IN THE UNITED STATES AT THE END OF WORLD WAR II. THESE COMPUTERS CONTAINED THOUSANDS OF VACUUM (RADIO) TUBES, RESISTORS, CAPACITORS AND SWITCHES — AND REQUIRED A ROOM-SIZE SPACE! THEY USHERED IN THE **COMPUTER AGE!**



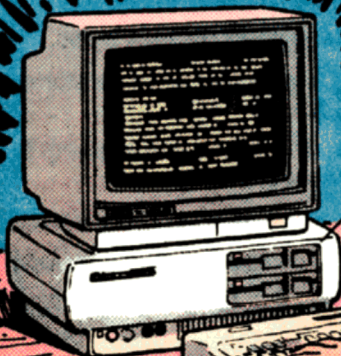
IN THE LATE 1940'S, THE SSEC (SELECTIVE SEQUENCE ELECTRONIC CALCULATOR), WAS USED BY PIONEERING ASTRONOMER WALTER J. ECKERT AND ASSOCIATES TO COMPUTE A NEW EPHEMERIS—(CELESTIAL ALMANAC) FOR THE OUTER PLANETS JUPITER THROUGH PLUTO. IT REPORTEDLY TOOK 120 HOURS TO PERFORM ALL OF THE CALCULATIONS.\*



THESE SAME CALCULATIONS WERE REPORTEDLY PERFORMED BY A TRS-80 MODEL 1 1979 DESK-TOP COMPUTER AND PRINTER IN LESS THAN 11 HOURS!

\*QUOTED IN PART BY PERMISSION FROM APRIL 1984 SKY AND TELESCOPE MAGAZINE.

**T**HE ASTRONOMICAL CALCULATIONS MADE BY THE 1979 MODEL 1 COULD BE PERFORMED EVEN FASTER BY TODAY'S TANDY 1000 MICROCOMPUTER ...RECOGNIZED FOR ITS POWER AND STORAGE CAPACITY IN BUSINESS AND EDUCATIONAL USE.



**I**NCIDENTALLY, ESTIMATES SAY THAT IT WOULD HAVE TAKEN ONE PERSON ABOUT 80 YEARS TO DO THE JOB — WITHOUT THE HELP OF A COMPUTER!



# STUDENT'S GUIDE TO COMPUTER LANGUAGE

**BACK-UP DISKETTE** A "Safe Copy" made from the original diskette and kept in case of damage or destruction of data on the original diskette.

**BASIC** Beginner's 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.

**BOOT UP** To turn on a computer system (including all peripherals) and load an operating system or program.

**BREAK** To stop the execution of a program by pressing the key **BREAK** or by typing the word "STOP."

**BYTE** A combination of 8 consecutive binary digits.

**CASSETTE** An information storage medium composed of magnetic tape on a spool enclosed in plastic case.

**COMMAND** A function the computer performs upon your instructions.

**CONTROL** That section of a computer which directs the activity of all other sections.

**CURSOR** A flashing, white box on the screen which marks the location of the next letter or numeral.

**DATA** The information processed by a computer.

**DEFAULT** An action or value taken by a program if you do not specify which is to be used.

**DIRECTORY** A listing of the contents stored on a disk.

**DISK** A magnetic recording device for storage of data.

**EDIT** To change existing information.

**ENTER** The key on a keyboard that is pressed to enter data into the computer.

**K or KILOBYTE** The letter symbol for 1024 bytes.

**MEMORY** The section of a computer used for storage of information (also called data).

**MENU** A list of questions, or prompts, the answers to which determine how the computer will execute an instruction.

**PASSWORD** A file security option of up to 8 alphanumeric characters.

**POWER UP** To turn on the computer system (including all peripheral equipment).

**PROGRAM** The instructions that tell a computer how to process and deliver its answer or information.

**PROMPTS** Questions displayed on the screen which enable you to complete necessary instruction to the computer.

**SCRIPSIT** A program used in word-processing.



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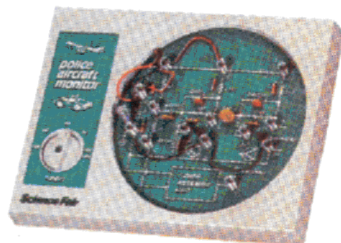
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