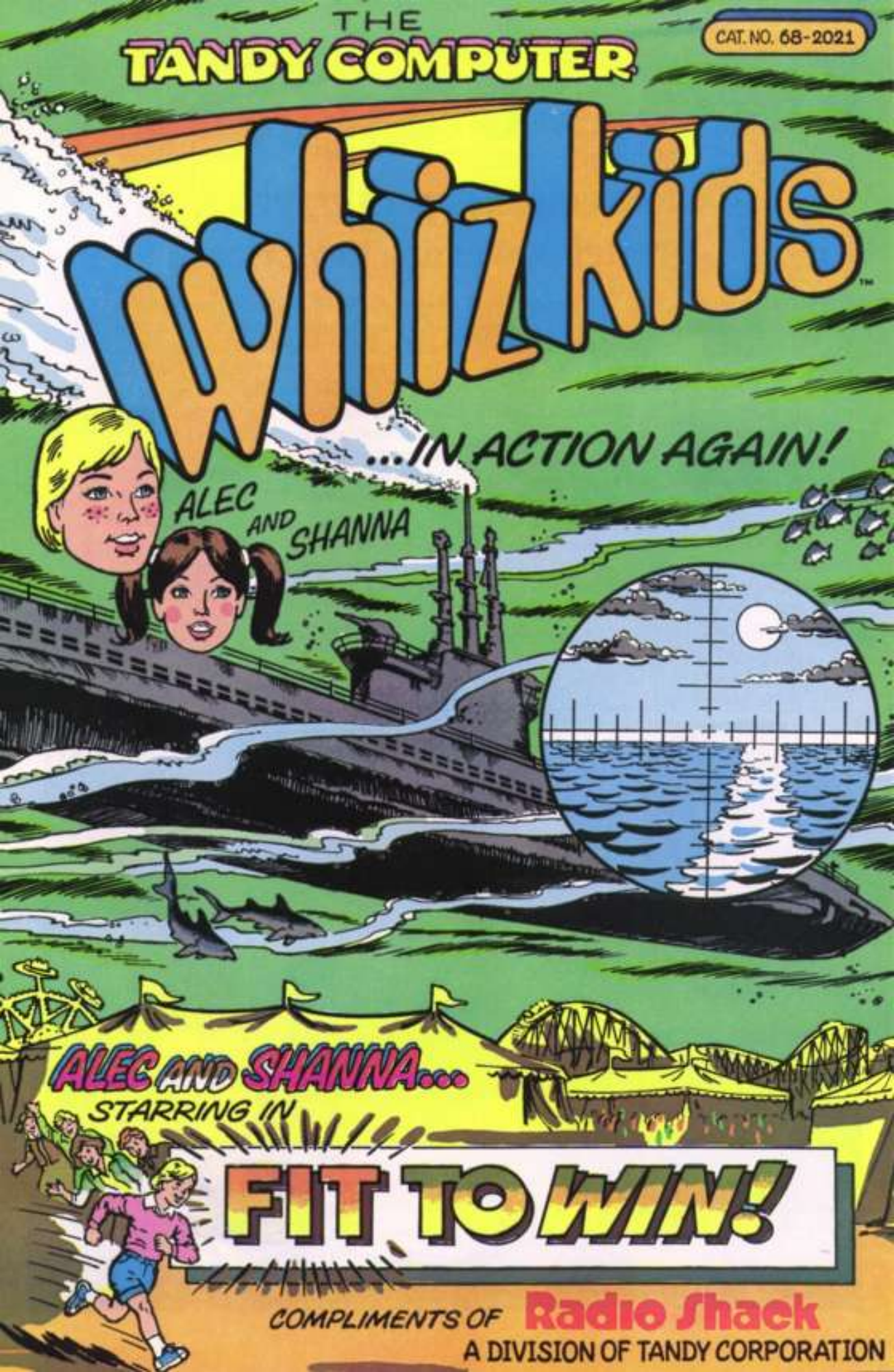
THE
TANDY COMPUTER
CAT. NO. 68-2021
whizkids
...IN ACTION AGAIN!
ALEC AND SHANNA
ALEC AND SHANNA...
STARRING IN
FIT TO WIN!
COMPLIMENTS OF Radio Shack
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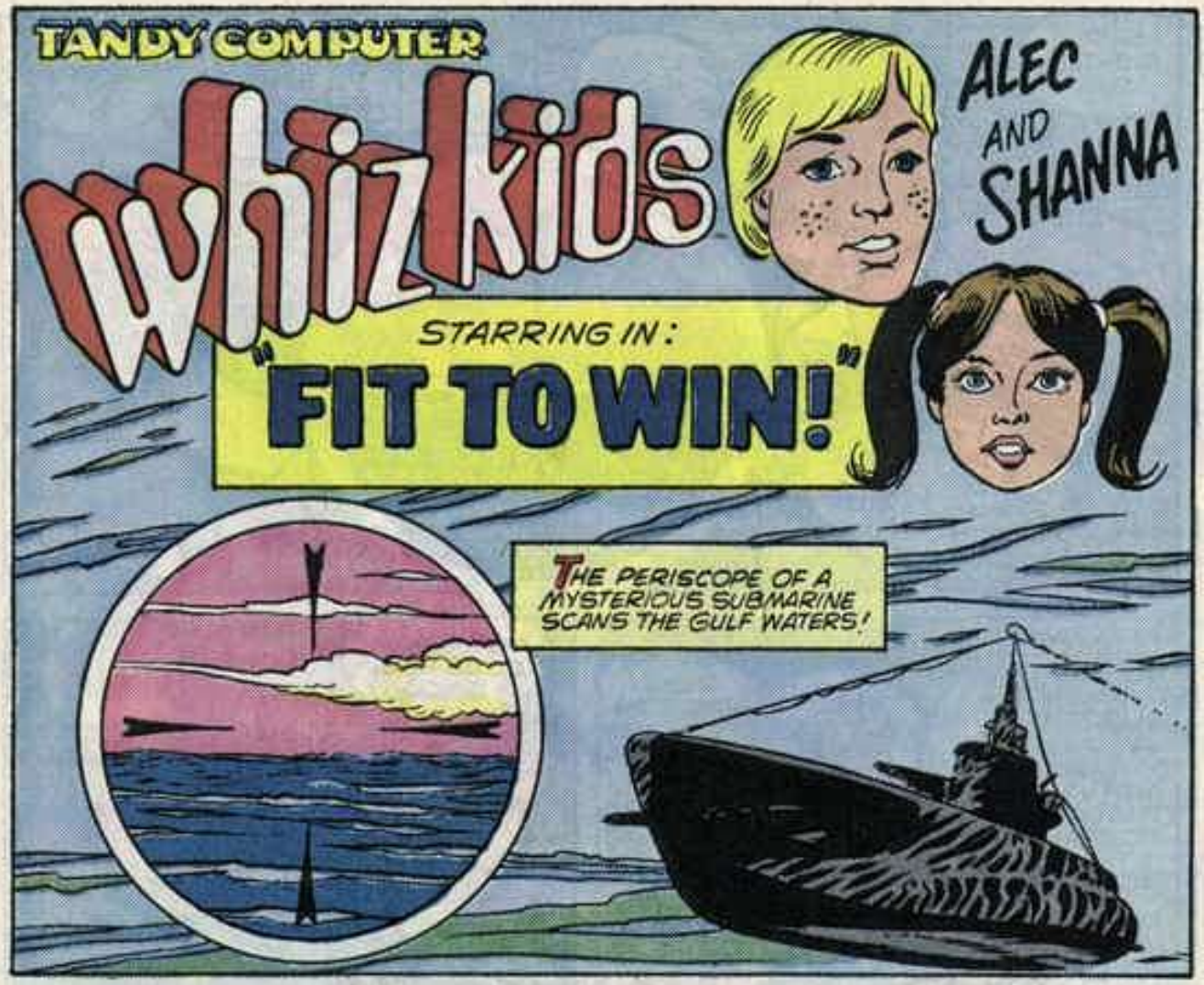

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CAT. NO. 66-3021

SHIP SIGHTED, SIR!
GOOD! I'LL CHECK IT!
YES, THAT'S OUR TARGET! I'LL SEND A REPORT TO OUR CONTACTS!
SCOPE DOWN!
MEANWHILE...
HEY, FRITZ! THAT WAS A SLICK IDEA TO HAVE A PLEASURE BOAT RENDEZVOUS WITH US OFF THE COAST AT NIGHT... TO TRANSFER "THE GOODS" TO OUR BOAT!
YEAH! BUT DON'T FORGET... I DREAMED UP THE IDEA!
RIGHT! AND IF THE IDEA BOMBS OUT, YOU'LL BE HELD RESPONSIBLE FOR THAT, TOO! THE BIG GUYS DON'T TAKE KINDLY TO IDEAS THAT WASTE THEIR DOUGH!
HEY, BOSS! COME HERE QUICK!
DOESN'T THAT LOOK LIKE A SHIP ON THE HORIZON?
YEAH! IT'S A SHIP ALL RIGHT, BUT... I WONDER...

THE NEXT MORNING -
GOOD MORNING! HOW WAS VACATION TIME?
GREAT, MS. WILSON!

WELL, A GROUP OF US KIDS GOT TOGETHER TO TALK ABOUT SOME OF THE THINGS WE WOULD LIKE IN EVERYDAY LIFE WHEN WE GET TO BE ADULTS -
WHAT WE HOPE OUR COUNTRY WILL BE LIKE THEN!
MY! WHAT A PROFOUND THOUGHT, ALEC! TELL US MORE ABOUT IT!
WE THOUGHT ABOUT IT A LOT AND DECIDED...
THAT HERE WE ARE IN ELEMENTARY SCHOOL... AND THE WAY TIME PASSES SO FAST... WE'LL BE OUT OF HIGH SCHOOL... AND, IF OUR GRADES ARE GOOD, WE'LL BE IN COLLEGE!
WE TALKED ABOUT WHAT WE WOULD LIKE TO DO FOR A CAREER THAT WOULD HELP TO KEEP OUR COUNTRY'S LEADERSHIP IN SCIENCE AND BUSINESS... A CAREER THAT WOULD HELP TO BUILD AN EVEN BETTER WAY OF LIFE FOR ALL OF OUR PEOPLE!
SO, WHAT DID YOU ALL DECIDE?
4

WE DECIDED THAT WE ARE PREPARING FOR THE FUTURE RIGHT NOW... AND THAT SOMEDAY WE'LL HAVE TO BE THE LEADERS IN OUR COUNTRY!
THEN WHAT?
WELL, WE DECIDED THAT WE MUST STUDY HARD... LEARN ALL WE CAN, AND TAKE CARE OF OUR HEALTH AND PHYSICAL FITNESS – TO BE READY WHEN IT COMES OUR TURN TO BE THE LEADERS OF OUR COUNTRY!
SO, WE FORMED A CLUB THAT WE CALLED: FIT TO WIN!
WHAT DOES FIT TO WIN MEAN, ALEC?
FIT... MEANS OUR GOAL TO LEARN... AVOID THINGS THAT COULD HARM OUR MIND AND BODY... TO EXERCISE A LOT! TO WIN... MEANS THE SUCCESS WE CAN HAVE IN HELPING TO BUILD AN EVEN BETTER AMERICA!
YEAHHH, ALEC! WOW... THAT'S COOL!
ALEC, I'VE GOT ONE WORD FOR THAT VACATION ACTIVITY: IT'S SUPER!
NOW... HERE'S THE SURPRISES FOR THIS SCHOOL YEAR! BUT FIRST...
5

WHILE LATER THAT MORNING AT THE PALM CITY MARINA...
ACCORDING TO THAT REPORT FROM THE SUB, THAT PLEASURE BOAT, THE JOLLY ROGER, IS THE ONE THEY WERE ASKED TO WATCH FOR...
AND TO NOTIFY US WHEN IT CROSSED THEIR AREA!

YES, AND ACCORDING TO THEIR REPORT TO US, IT WAS HEADING IN THE DIRECTION OF PALM CITY!

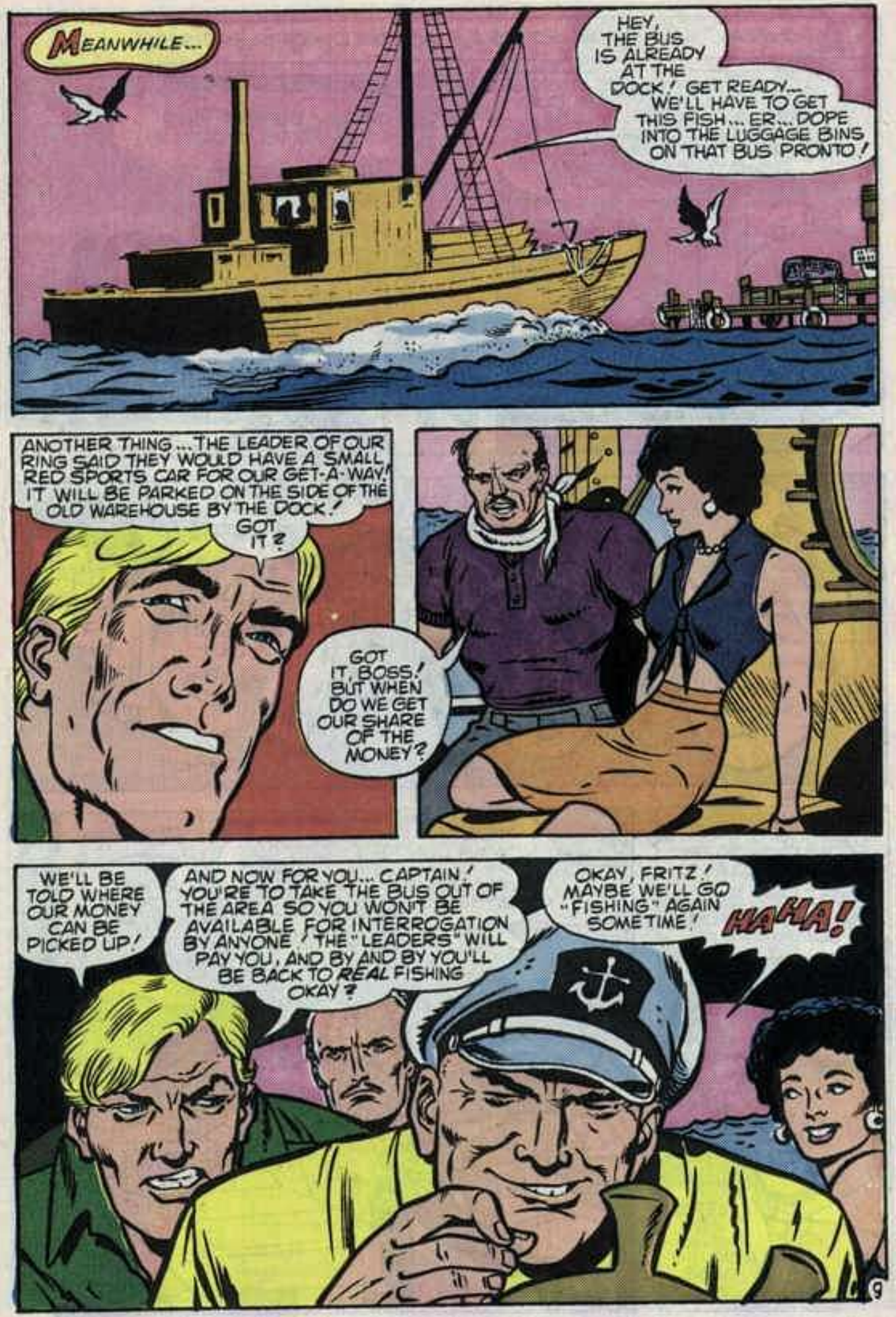
WE COULD HAVE HAD THE BOAT SHADOWED BY HELICOPTER, BUT IT MIGHT HAVE CAUSED THEM TO DUMP THE DRUG LOAD, AND KEEP GOING...

HEY!
LOOKS LIKE OUR TARGET IS HEADED THIS WAY! CAN'T MAKE OUT THE NAME YET!
BUT THE DESCRIPTION FITS!

GOOD! WE'D BETTER GET SET TO GO ABOARD THE MOMENT IT TIES UP AT THE DOCK!

ON BOARD THE TRAWLER...
SO, THAT WAS A PRETTY SLICK JOB, EH!
YEAH! ESPECIALLY THE WAY PLASTIC WRAPPED BUNDLES OF THAT STUFF WERE HAULED OUT OF THE WATER WITH OUR NET – JUST LIKE FISHING! HAHA!
THIS IS A FISHING TRIP, ISN'T IT, CAPTAIN?
YEAH! I GUESS YOU COULD CALL IT THAT! HAHA! FOR EXPENSIVE FISH! HA HA!
BUT PLEASE ALLOW ME TO REMIND YOU, MY DEAR... GREEDY FRIENDS, THIS LITTLE FISHING TRIP WON'T BE OVER UNTIL WE DELIVER "THE FISH" TO THE MARKET PLACE! SO, DON'T REST ON ANY LAURELS, YET!

BACK TO THE CLASS-ROOM...
PLEASE, MS. WILSON, WHAT ARE THOSE SURPRISES?
MY, IT'S ALMOST TIME FOR RECESS! BUT, I CAN STILL TELL YOU THE FIRST SURPRISE: OUR SCHOOL HAS BEEN CHOSEN TO SET UP A PHYSICAL FITNESS BOOTH AT THE STATE FAIR THIS YEAR...
...AND THREE OF OUR STUDENTS HAVE BEEN SELECTED TO OPERATE IT!
WHO, MS. WILSON?!?
CALM DOWN AND I'LL TELL YOU! PLEASE STAND AS I CALL YOUR NAME: SHANNA, CHUCK AND MARY!
HIP! HIP! HURRAH! WOW!
AFTER RECESS, YOU THREE SHOULD REPORT TO MS. JACKSON, THE TEACHER WHO WILL WORK WITH YOU! INCIDENTALLY, YOU'LL BE GOING WITH HER OUT TO THE FAIR AFTER RECESS TO HELP... SET UP THE DISPLAYS AND EQUIPMENT!
IT'S TIME FOR RECESS! I'LL TELL YOU ABOUT THE OTHER SURPRISES LATER!


MEANWHILE...
HEY, THE BUS IS ALREADY AT THE DOCK! GET READY... WE'LL HAVE TO GET THIS FISH... ER... DOPE INTO THE LUGGAGE BINS ON THAT BUS PRONTO!
ANOTHER THING...THE LEADER OF OUR RING SAID THEY WOULD HAVE A SMALL RED SPORTS CAR FOR OUR GET-A-WAY! IT WILL BE PARKED ON THE SIDE OF THE OLD WAREHOUSE BY THE DOCK! GOT IT?
GOT IT, BOSS! BUT WHEN DO WE GET OUR SHARE OF THE MONEY?
WE'LL BE TOLD WHERE OUR MONEY CAN BE PICKED UP!
AND NOW FOR YOU... CAPTAIN! YOU'RE TO TAKE THE BUS OUT OF THE AREA SO YOU WON'T BE AVAILABLE FOR INTERROGATION BY ANYONE! THE "LEADERS" WILL PAY YOU, AND BY AND BY YOU'LL BE BACK TO *REAL* FISHING OKAY?
OKAY, FRITZ! MAYBE WE'LL GO "FISHING" AGAIN SOMETIME!
HAHA!
9

IN THE MEANTIME... MS. WILSON IS NAMING THE OTHER SURPRISES!
MS. WILSON, WHAT ARE THE OTHER SURPRISES?
OKAY, HERE'S SURPRISE NUMBER TWO! OUR SCHOOL WILL BE REPRESENTED IN THE STATE FAIR MARATHON BY A MEMBER OF OUR CLASS...
WOW! SUPER! WHO IS IT, MS. WILSON?
CALM DOWN, AND I'LL TELL YOU! ALEC WILL RUN IN THE MARATHON!
WOW! RIGHT ON!
OH, MS. WILSON, I JUST CAN'T WAIT! WHAT'S THE NEXT SURPRISE?
CALM DOWN. AND I'LL TELL YOU! WE'RE GOING OVER TO THE COMPUTER CLASS... WHERE YOU'LL GET TO PRACTICE ON OUR NEW COLOR COMPUTER- 3 COMPUTERS!
LET'S GO! BUT NO RUNNING IN THE HALL!
WOW! NOW WE DON'T HAVE TO TAKE TURNS ON THE KEYBOARD!
YEAAH! THIS IS WHAT I LIKE ABOUT SCHOOL!
RIGHT ON!
10

AND A SCHOOL MINI-VAN MOVES ALONG BAY STREET!
SHANNA, THIS IS GOING TO BE FUN!
IT WILL BE FANTASTIC! I JUST LOVE OUR STATE FAIRS!
HOW ABOUT YOU, CHUCK?
RIGHT ON!
SCHOOL
CHUCK, LOOK AT THAT! HE'S TAKING SOMETHING OFF THAT TRAWLER, AND PUTTING IT INTO THE LUGGAGE BIN OF THE BUS! THAT SEEMS ODD TO ME!
YEAH! THAT CAN'T BE FISH HE'S LOADING! HEY LOOK! THREE OF THOSE PEOPLE ARE RUNNING TOWARD THAT RED SPORTS CAR!
MARINA
PLEASE, MS. JACKSON, STOP LONG ENOUGH FOR ME TO MAKE A PHONE CALL! THAT CONVENIENCE STORE ACROSS THE STREET HAS A PHONE BOOTH!
OKAY, BUT HURRY! WE'RE RUNNING A LITTLE LATE!
DETECTIVE SHAW, PLEASE!
WHAT! HE'S NOT THERE! I NEED TO GET THIS MESSAGE TO HIM RIGHT AWAY!
PHONE
11

AT THE COASTAL CITY POLICE DEPARTMENT...
DETECTIVE SHAW, A GIRL BY THE NAME OF SHANNA LEFT AN URGENT MESSAGE FOR YOU!
...SAYS SHE SAW A GUY LOADING BAGS, OR SOMETHING, FROM A TRAWLER INTO THE LUGGAGE BINS OF A LARGE BUS AT DOCKSIDE... AND SAW THREE PEOPLE RUNNING TOWARD A RED SPORTS CAR NEARBY! IT SEEMED ODD, AND SHE THOUGHT YOU MIGHT WANT TO CHECK IT OUT!
NTED
REWARD
DETECTIVE SHAW... AT PALM CITY...
YOU BET I WANT TO CHECK IT!
INCIDENTALLY WE FOUND NOTHING ABOARD THAT PLEASURE BOAT! I THINK WE'VE BEEN DUPED ON THIS ONE! GET A TEAM OVER TO THE DOCK RIGHT AWAY, AND PUT OUT AN APB ON THE BUS AND SPORTS CAR!
IT SEEMS THE NARCOTICS GANG HAS PULLED A SWITCH ON US! THE DRUGS MAY HAVE ARRIVED ON A TRAWLER IN COASTAL CITY! AGENT JONES AND I HAD BETTER GET OVER THERE AT TOP SPEED!
APPARENTLY, THE DRUG LOAD WAS SWITCHED TO A TRAWLER AFTER BEING SIGHTED BY THE SUBMARINE! BUT HOW?
REGARDLESS OF THAT, IF NARCOTICS WERE SWITCHED TO A LARGE BUS AFTER THE TRAWLER DOCKED... IT SHOULD BE EASY TO SPOT THE BUS BEFORE IT CAN GET OUT OF COASTAL CITY!
HEY, LOOK AT THAT RED SPORTS CAR! IT MUST BE DOING 90 MILES PER HOUR!
12

WOW! YOU'RE RIGHT!
POLICE

THAT COULD BE THE SPORTS CAR SHANNA SAID SHE SAW AT THE DOCK!
HERE'S WHERE I'M GOING TO USE MY NEW CT-300 CELLULAR PHONE... WITH ITS SPEED DIALING!

GOT TO GET A QUICK CALL TO THE PALM CITY POLICE DEPARTMENT!
HELLO! THIS IS DETECTIVE SHAW, COASTAL CITY PD! A SPEEDING RED COMPACT SPORTS CAR IS HEADING YOUR WAY... ON THE INTER-CITY FREEWAY... HOLD OCCUPANTS! THEY MAY BE INVOLVED IN A NARCOTICS SMUGGLING RACKET!

OKAY, SHAW, WE'LL PUT OUT AN URGENT APB! SINCE YOU'RE ON YOUR WAY TO COASTAL CITY PD, WE'LL CALL YOU THERE WHEN WE APPREHEND THE SUSPECTS!

THAT WAS A QUICK CALL, SHAW!
DIDN'T I HEAR YOU SAY THAT NEW CT-300 HAS A MEMORY FOR SPEED-DIALING AS MANY AS 40 NUMBERS!
RIGHT, JONES! YOU OUGHT TO HAVE ONE OF THEM FOR YOUR WORK! SAVES A LOT OF TIME IN EMERGENCIES!
POLICE

WELL, JONES, I HOPE PALM CITY PD WAS ABLE TO NAB THOSE SUSPECTS... AND INCIDENTALLY, I'VE GOT A HUNCH THEY ARE THE PEOPLE SHANNA SAW AT THE DOCK UNLOADING... PROBABLY NARCOTICS!
PARKIN
OFFICIAL CAR
POLICE

AT THE SAME TIME...
BOSS, FRITZ REALLY DID HIS HOMEWORK WHEN HE SUGGESTED TAKING THIS FARM ROAD OFF THE LOOP AND STAYING OUT OF SIGHT BEHIND THIS OLD BARN! THE COPS WILL BE WATCHING FOR US ON THE MAIN ROADS LEADING OUT OF TOWN!
YEAH! THERE ARE A LOT OF THESE OLD BARNS ALONG THE ROAD! THE COPS WON'T THINK TO CHECK A PLACE LIKE THIS! HAHA!
WE'RE SITTING PRETTY, EH! WE'LL JUST STAY OUT OF SIGHT HERE FOR SEVERAL DAYS... COOK OUR OWN MEALS IN OUR GALLEY! HA HA!
YEAH, BUT, BOSS, WHAT IF THE COPS NAB FRITZ AND THE OTHERS?
THEY WON'T TALK... THEY WANT TO DIE FROM OLD AGE... NOT FOR SQUEALING!
LIKE I SAY, WE'VE GOT IT MADE IN THE SHADE! HAHA!
14

BOSS, DO YOU THINK WE OUGHT TO WAKE UP THAT OLD CAPTAIN?

YEAH! WE OUGHT TO WATCH THAT GUY!

BOTH YOU GUYS ARE WRONG! WHAT DIFFERENCE DOES IT MAKE? HE ISN'T GOING ANYWHERE UNTIL WE TELL HIM HE CAN!
REMEMBER, WE'VE GOT AN ARMED GUARD BESIDE THE DOOR!

WHEN THE TIME IS RIGHT WE'RE GOING TO PAY THE OLD MAN, LIKE WE SAID WE WOULD AND THEN...

...WE'LL DROP HIM OFF AT THE BUS STOP!
15

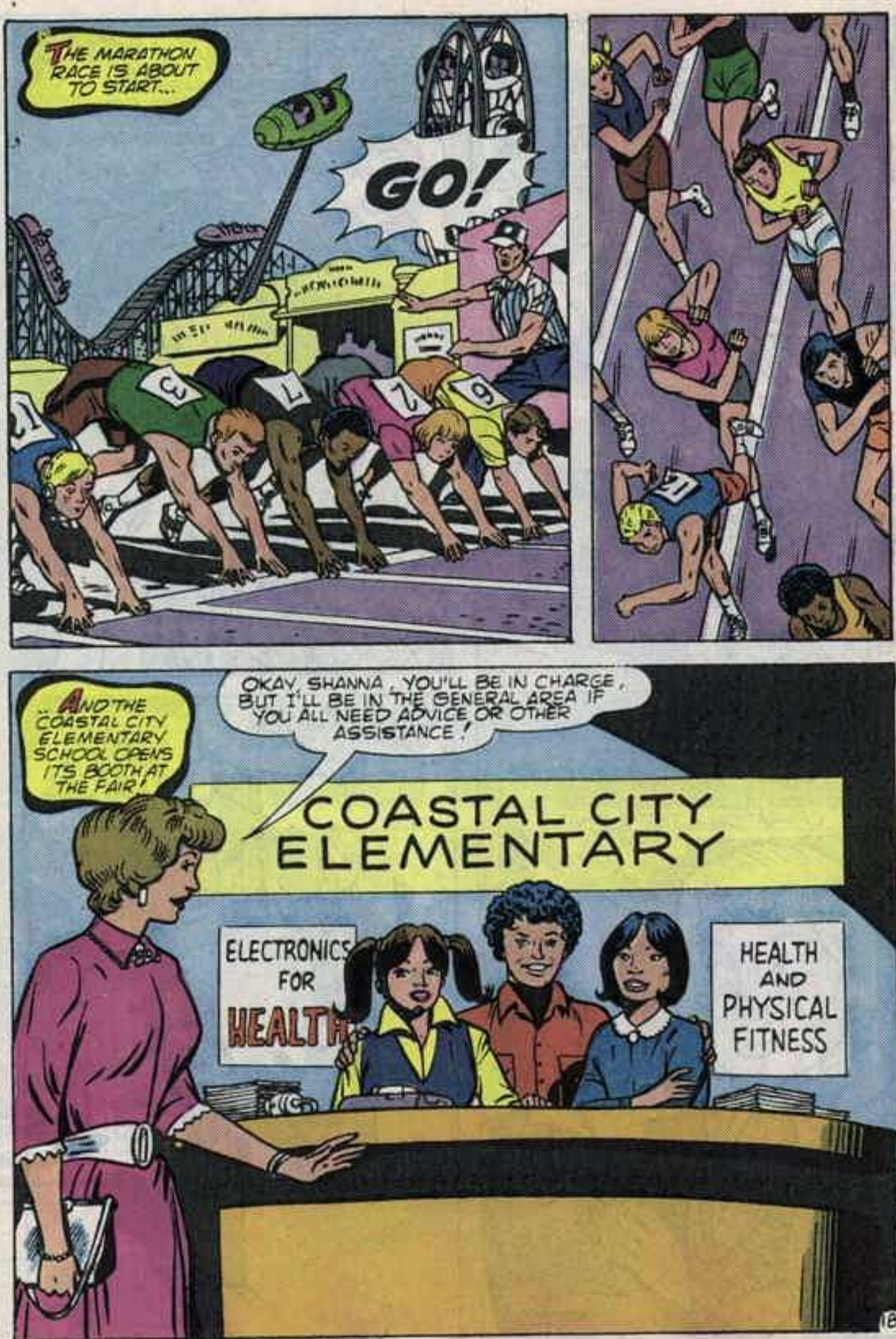
BUT, BOSS, THIS WHOLE DEAL SEEMS TOO RISKY TO ME! THE COPS ARE GOING TO WONDER WHY HE'S AWAY FROM HIS BOAT!
YEAH, BOSS! REMEMBER, HE'S A FISHERMAN ... SUPPOSED TO GO OUT AND CATCH FISH EVERYDAY!
WHAT HAVE I BEEN TELLING YOU GUYS ALL ALONG?
DON'T THINK!
THAT'S RIGHT! I DO THE THINKING! IN THE FIRST PLACE, FRITZ SAID THAT OLD, BOAT CAPTAIN HASN'T BEEN FISHING FOR A LONG, LONG TIME! ALL HE'S FISHING FOR ARE THE TOURISTS WHO WANT TO TAKE A RIDE, OR GO DEEP SEA FISHING!
16

THE NEXT DAY AND THE STATE FAIR HAS OPENED!
ISN'T THIS SUPER?!
I'LL SAY! I CAN HARDLY WAIT TO START RUNNING IN THE SCHOOL MARATHON RACE! I'M GOING TO TRY MY HARDEST TO WIN FOR OUR SCHOOL!
STATE FAIR

WHILE YOU'RE RUNNING, I'LL BE ON DUTY AT OUR SCHOOL'S HEALTH AND PHYSICAL FITNESS BOOTH... WEARING MY TRC-500 HEADSET WALKIE-TALKIE!
STATE FAI

GREAT! WE CAN KEEP IN TOUCH! I'LL LET YOU KNOW HOW THE RACE IS GOING! THESE TRC-500 WALKIE-TALKIES ARE SUPER FOR RUNNING, JOGGING, OR WORKING AT THE BOOTH LIKE YOU'LL BE DOING! VOICE ACTIVATION OF THE TRC-500 ALLOWS HANDS FREE OPERATION... THAT'S WHAT COUNTS!

WELL, SHANNA, HERE'S WHERE I TURN FOR THE MARATHON STARTING POINT!
OKAY, ALEC, GOOD LUCK... AND I'LL BE LISTENING FOR THE RACE NEWS OVER MY HEADSET!


THE MARATHON RACE IS ABOUT TO START...
GO!
...AND THE COASTAL CITY ELEMENTARY SCHOOL OPENS ITS BOOTH AT THE FAIR!
OKAY, SHANNA, YOU'LL BE IN CHARGE, BUT I'LL BE IN THE GENERAL AREA IF YOU ALL NEED ADVICE OR OTHER ASSISTANCE!
COASTAL CITY ELEMENTARY
ELECTRONICS FOR HEALTH
HEALTH AND PHYSICAL FITNESS

WHAT DOES THAT MEAN: AVOID SUBSTANCE ABUSE? WHAT IS SUBSTANCE ABUSE ANYWAY?
SUBSTANCE ABUSE INCLUDES NOT ONLY DRUGS, BUT ALSO ALCOHOLIC DRINKS—
BOTH CAN HARM YOUR MIND AND BODY!
HEALTH TIPS:
AVOID SUBSTANCE ABUSE
BUT, I THOUGHT ALCOHOLIC DRINKS WERE LEGAL! A LOT OF PEOPLE DRINK THEM!
THAT'S TRUE! BUT ALCOHOL ABUSE CAN BE JUST AS HAZARDOUS TO YOUR HEALTH AS DRUG ABUSE, AND YOU CAN EVEN BECOME ADDICTED TO USE OF ALCOHOL... JUST LIKE YOU CAN WITH USE OF HARMFUL DRUGS!
CHUCK, TELL THEM ABOUT SOME OF THE HARMFUL EFFECTS OF ALCOHOL ABUSE!
OKAY, SHANNA! I'LL MAKE IT BRIEF; AND THEN THEY CAN TAKE ONE OF THE PAMPHLETS THAT COVERS ALCOHOL ABUSE IN MORE DETAIL!
HARMFUL EFFECTS OF ALCOHOL ABUSE
ALCOHOL ABUSE SLOWS THE FUNCTION OF YOUR MIND, RESULTS IN IMPAIRED COORDINATION OF BODY MOVEMENTS, AND IT CAN CAUSE LIVER AND KIDNEY DISEASE! ...IT CAN ALSO BE DEADLY TO DRINK AND DRIVE ANY VEHICLE— JUDGEMENT OF SPEED AND DISTANCE IS IMPAIRED!
19

HERE'S AN EXAMPLE OF THE DEADLY EFFECTS OF DRINKING AND DRIVING...
THINK OF ONE OF OUR SMALL CITIES WITH OVER 20,000 PEOPLE... THINK OF EVERY ONE OF THEM... MEN, WOMEN AND CHILDREN... BEING KILLED THIS YEAR, AND ANOTHER SMALL CITY NEXT YEAR - YEAR AFTER YEAR!
OVER 20,000 OF ALL FATAL AUTOMOBILE ACCIDENTS REPORTED IN OUR COUNTRY EVERY YEAR INVOLVED A DRIVER WHO WAS UNDER THE INFLUENCE OF ALCOHOL!
THAT'S JUST LIKE KILLING ALL OF THE PEOPLE IN ONE OF OUR SMALL CITIES EVERY YEAR!
WOW! THAT'S AWFUL!
HEALTH AND PHYSICAL FITNESS
Safety Tips
HEALTH TIPS
HOW MANY PEOPLE ARE KILLED IN ALL AUTOMOBILE ACCIDENTS?
IN OUR COUNTRY... IN 1986... 47,900 PEOPLE DIED FROM AUTOMOBILE ACCIDENTS...
... AND SOME OF THEM MIGHT HAVE LIVED IF THEY HAD USED A SEAT BELT! THAT'S WHY WE SAY: BUCKLE UP FOR SAFETY!
20

SO, WHAT THIS ADDS UP TO IS: STAY AWAY FROM THINGS THAT CAN RUIN YOUR HEALTH NOT ONLY NOW... BUT MAYBE THE REST OF YOUR LIFE! EAT THE FOODS YOUR BODY NEEDS FOR PROPER GROWTH...
GET A CHECK-UP FROM YOUR DOCTOR... THEN GET PLENTY OF EXERCISE!
ALTH
ND
SICAL
TN
ONE MORE IMPORTANT THING! OUR MINDS MUST GROW, TOO! THAT MEANS: STUDY HARD IN SCHOOL... LEARN ALL YOU CAN! IF WE DON'T PREPARE NOW... HOW CAN WE EXPECT TO BE FUTURE LEADERS IN SCIENCE, AGRICULTURE, BUSINESS AND GOVERNMENT?
WOW! THAT'S COOL! WE REALLY HADN'T THOUGHT ABOUT THAT BEFORE!
RIGHT ON!
OH, I ALMOST FORGOT TO LISTEN FOR ALEC! BETTER GIVE HIM A CALL!
HELLO, ALEC! COME IN PLEASE!
HI, SHANNA! I'M IN THE LEAD SO FAR! WE'RE NOW RUNNING ALONG THE OLD FARM ROAD THAT HEADS SOUTH FROM THE NORTH LOOP!
HEY! I JUST SPOTTED SOMETHING...!
WHAT IS IT, ALEC?
EL
F
HI
ONICS
OR
LTH
HEALTH AND PHYSICAL FITNESS
21

SHANNA, WHEN WE REACHED A CURVE IN THE ROAD, I COULD SEE THE FRONT PART OF A BUS, PARKED BEHIND AN OLD BARN! IT LOOKED A LITTLE LIKE THE ONE YOU SAW AT THE DOCK! DO YOU THINK WE SHOULD TELL DETECTIVE SHAW? HE MIGHT WANT TO CHECK IT OUT!
YOU'RE RIGHT! I'LL CALL HIM!
PHONE
DETECTIVE SHAW, THIS IS SHANNA! YOU KNOW ALEC IS RUNNING IN THE MARATHON AND...
HE JUST TOLD ME THAT HE NOTICED A BUS BEHIND AN OLD BARN AS THEY ROUNDED A CORNER ON THE ROAD BETWEEN THE NORTH AND SOUTH LOOP - THOUGHT YOU WOULD LIKE TO KNOW ABOUT IT!
THANKS, SHANNA! YOU BET I WANTED TO KNOW! WE'LL HAVE THE POLICE HELICOPTER THAT'S OVER THE FAIR GROUNDS MAKE A PASS OVER THAT AREA ... TO FIND OUT IF THAT'S THE BUS WE'RE AFTER! BY THE WAY, SHANNA, IF ALEC IS RUNNING IN THE MARATHON, HOW DID HE CALL YOU?
BOTH OF US ARE WEARING ONE OF THE NEW TRC-500 HEADSET WALKIE-TALKIES WITH VOICE ACTIVATION!
PHONE

GOT YOUR MESSAGE, SHAW! WE'LL SWING OVER AND TAKE A LOOK!

DETECTIVE SHAW WANTS US TO CHECK OUT AN OLD BARN JUST EAST OF HERE -- ON AN OLD FARM ROAD! SEEMS THERE'S A BUS THEY'VE BEEN SEARCHING FOR THAT MIGHT BE HIDDEN BEHIND A BARN!
POLICE

THAT'S A STRANGE PLACE TO HIDE SOMETHING AS BIG AS A BUS!

WELL, WE'RE CLOSE TO THE AREA THEY'RE TALKING ABOUT!
HEY! ISN'T THAT SOMETHING OVER THERE TO THE RIGHT? YOU'VE GOT THE BINOCULARS!

RIGHT! LOOKS LIKE THE BUS DESCRIBED IN THE APB, TOO! AND... YES... LOOKS LIKE A GUARD STANDING BESIDE THE BUS DOOR! CALL SHAW!

THANKS, WILLIAMS! WE'RE ON OUR WAY! KEEP THE PLACE IN SIGHT UNTIL WE GET THERE!

54 POLICE
POLICE
BACK TO ALEC AND THE MARATHON RACE!
HELLO, SHANNA! COME IN PLEASE!
HI, ALEC! HOW'S THE RACE?
SHANNA, WE'RE ABOUT TO BREAK THE RIBBON AT THE FINISH LINE... AND IT LOOKS LIKE... A TIE! ME AND ANNE, A PALM CITY GIRL!
ALEC! THAT'S SUPER!
24

LATER AT THE STATE FAIR!
THERE! YOUR BLOOD PRESSURE AND PULSE CHECKS OUT OKAY!
WHERE CAN YOU BUY ONE OF THESE TESTERS?
OUR LOCAL ELECTRONIC STORE HAS THEM... AND OTHER ELECTRONIC HEALTH AIDS... LIKE AN EXERCISE MONITOR THAT MEASURES PULSE AND ELAPSED WORKOUT TIME!
FREE! BLOOD PRESSURE CHECK!
YES, AND THEY ALSO HAVE THINGS LIKE A BIOFEEDBACK STRESS MONITOR, LCD FEVER THERMOMETER, AND A MICROWAVE LEAK DETECTOR!
AT SCHOOL... AFTER THE STATE FAIR!
GOOD MORNING! HOW DID YOU ALL LIKE THE STATE FAIR?
YEAH! THE BEST YET!
SUPER!
BY THE WAY, I HAVE A FOURTH SURPRISE FOR YOU!
A FOURTH? WHAT IS IT?
ALL OF THESE SURPRISES... WOW!
COASTAL CITY'S MAYOR TOM LING IS GOING TO PRESENT THIS MONTH'S CRIME STOPPER AWARD TO ALEX AND SHANNA. NEXT ---

YEAH, ALEC! YEAH, SHANNA!
SATURDAY – DURING THE POLICE APPRECIATION DAY CEREMONY!
ON SATURDAY MORNING... POLICE APPRECIATION DAY!
IT GIVES ME GREAT PLEASURE TO EXTEND OUR SINCERE THANKS FOR THE DEVOTION TO DUTY OF OUR POLICE OFFICERS AND STAFF ON THIS SPECIAL DAY OF APPRECIATION...
...AND TO THANK ALEC AND SHANNA... YOUNG CITIZENS WHOSE ALERTNESS AND TIMELY CALL TO OUR POLICE DEPARTMENT HELPED IN APPREHENDING THE LEADERS OF A DRUG SMUGGLING RACKET!
WE'RE PROUD OF OUR POLICE DEPARTMENT
HIP, HIP HURRAH! HIP, HIP HURRAH!
IN FURTHER RECOGNITION, I AM HAPPY TO PRESENT THIS MONTH'S CRIME STOPPER AWARD TO ALEC AND SHANNA FOR HELPING TO KEEP OUR CITY A SAFE ... HEALTHY HAPPY CITY!
IN CLOSING, WHY NOT MAKE EVERY DAY... ONE OF APPRECIATION FOR THOSE WHO WORK DAY AND NIGHT... IN ALL KINDS OF WEATHER... OFTEN RISKING THEIR LIVES... NOT ONLY FIGHTING CRIME... BUT ALSO HELPING IN TIMES OF DISASTER!
YEAH! RIGHT ON!
HIP, HIP, HURRAH!
THE END

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.

the computers!

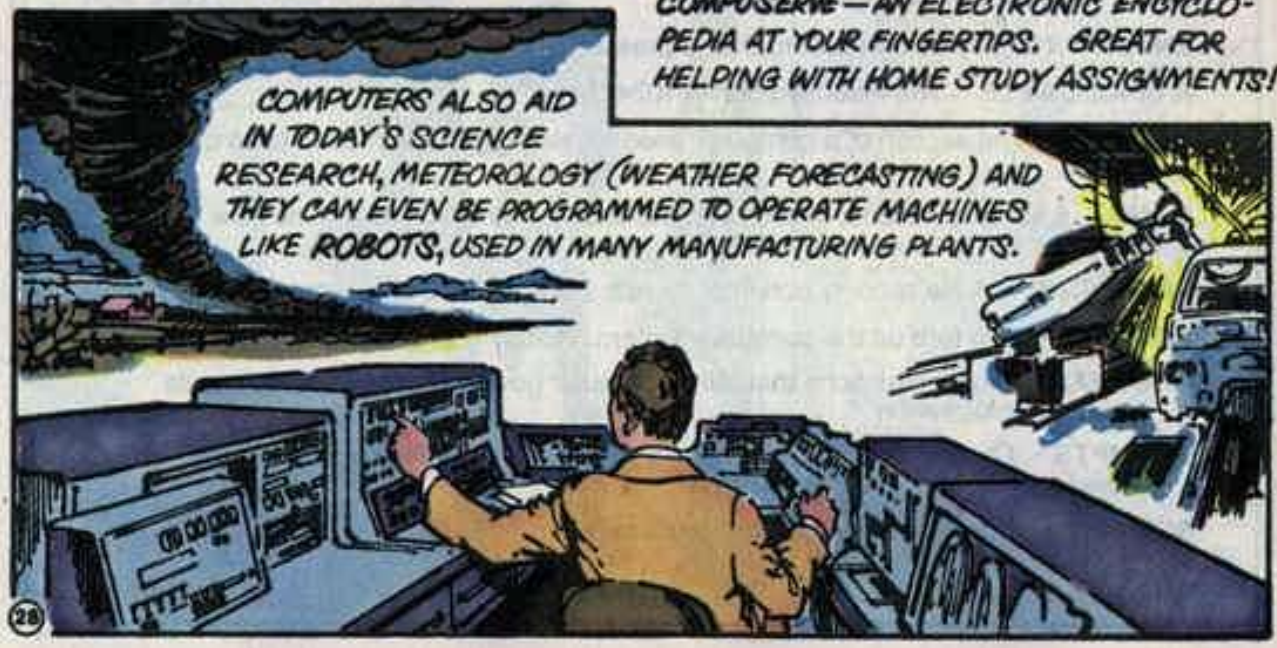
NATIONWIDE, IN CROWDED AIR TERMINALS COMPUTERS ARE SPEEDING PROCESSING OF RESERVATIONS AND TICKETS

COMPUTERS LIKE THE TANDY 1000 ARE BEING USED AS TEACHING AIDS TO BUILD SKILLS IN MATH AND SCIENCE...

IN REDUCING TIME AND PAPERWORK FOR SMALL BUSINESS OPERATIONS...

TO ACCESS INFORMATION SERVICES LIKE COMPUSERVE—AN ELECTRONIC ENCYCLOPEDIA AT YOUR FINGERTIPS. GREAT FOR HELPING WITH HOME STUDY ASSIGNMENTS!

COMPUTERS ALSO AID IN TODAY'S SCIENCE RESEARCH, METEOROLOGY (WEATHER FORECASTING) AND THEY CAN EVEN BE PROGRAMMED TO OPERATE MACHINES LIKE ROBOTS, USED IN MANY MANUFACTURING PLANTS.



TANDY bits & bytes of Computer History

TODAY, 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!

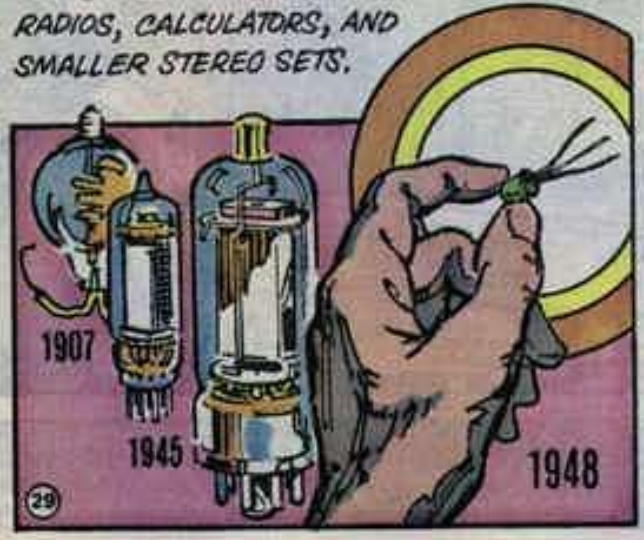
IN 1801, **JOSEPH MARIE JACQUARD**, CALLED THE "FATHER OF THE COMPUTER", WAS HONORED BY THE EXPOSITION IN PARIS FOR A WEAVING LOOM WHICH USED **PROGRAMMED, PUNCHED, CARDS** TO CONTROL THE WEAVING OF COMPLEX PATTERNS FROM THREAD.

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

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

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.



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.**

COMPUTERS and ASTRONOMY...

THE 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.

THE 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.

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

THE HISTORY OF COMPUTERS REALLY BEGAN COUNTLESS CENTURIES AGO BECAUSE OUR ANCESTORS HAD A NATURAL CURIOSITY ABOUT THINGS. EACH GENERATION EXPLORED, OBSERVED, DISCOVERED, INVENTED AND PASSED ALONG TO THE NEXT GENERATION THEIR CONTRIBUTION TO THE BODY OF KNOWLEDGE WE CALL **SCIENCE** ... AND TO A BETTER WAY OF LIFE WE CALL **FREEDOM**!

THAT'S WHY THE PILGRIMS CAME TO AMERICA IN 1620—SEARCHING FOR RELIGIOUS FREEDOM AND THE RIGHT TO GOVERNMENT BY THE PEOPLE.

THE **GOLDEN KEYS** THAT OPENED THE DOORS FOR THE SCIENCE EXPLORERS OF THE UNITED STATES OF AMERICA ... PEOPLE LIKE NIKOLA TESLA, SAMUEL MORSE, ALEXANDER BELL, THOMAS EDISON, JOSEPH HENRY, BENJAMIN FRANKLIN, ROYAL HOUSE, EDWIN ARMSTRONG, JOSEPH TYKOCINER, LEE DEFOREST; AND THE INVENTORS OF THE TRANSISTOR— JOHN BARDEEN, WALTER BRATTAIN, AND WILLIAM SHOCKLEY; AND MANY OTHER GREAT **SCIENCE EXPLORERS!**

...DEDICATED PEOPLE WHOSE YEARS OF STUDY AND COUNTLESS HOURS OF TEDIOUS RESEARCH BROUGHT US...

- ★ ALTERNATING CURRENT ELECTRICITY
- ★ TELEPHONE
- ★ RADIO
- ★ STEREO HI-FI
- ★ COLOR TELEVISION
- ★ POCKET CALCULATORS
- ★ VIDEO CASSETTE RECORDING
- ★ POWERFUL DESK-SIZE COMPUTERS
- ★ COMMUNICATION SATELLITES
- ★ MICROWAVE OVENS FOR COOKING
- ★ ELECTRONIC CONTROL AND GUIDANCE SYSTEMS FOR JETS, SHUTTLE SPACECRAFT

...MOST OF THESE GREAT INVENTIONS DEVELOPED WITHIN THE PAST CENTURY (100 YEARS)!

IT WILL BE YOUR TURN TO MAKE A CONTRIBUTION TO SCIENTIFIC KNOWLEDGE THAT CONTINUES PROGRESS WITHOUT ENDANGERING OUR HOME BASE...SPACESHIP EARTH —A CONTRIBUTION THAT ALSO BENEFITS PEOPLE OF OTHER NATIONS.

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